

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120622\  
 Data File : VY011713.D  
 Acq On : 06 Dec 2022 12:45  
 Operator : KP/MD  
 Sample : VY1206SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1206SBS01

Quant Time: Dec 06 23:44:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.789  | 168   | 186412   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 289514   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 265533   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 134442   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.143  | 65    | 98900    | 52.250   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 104.500% |          |
| 35) Dibromofluoromethane     | 7.716  | 113   | 96929    | 54.386   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 108.780% |          |
| 50) Toluene-d8               | 10.179 | 98    | 324533   | 50.110   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 100.220% |          |
| 62) 4-Bromofluorobenzene     | 12.477 | 95    | 128835   | 53.804   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 107.600% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 31160    | 27.936   | ug/l       | 97       |
| 3) Chloromethane             | 2.113  | 50    | 34328    | 18.904   | ug/l       | 97       |
| 4) Vinyl Chloride            | 2.253  | 62    | 38286    | 18.158   | ug/l       | 100      |
| 5) Bromomethane              | 2.638  | 94    | 27086    | 17.530   | ug/l       | 99       |
| 6) Chloroethane              | 2.790  | 64    | 25987    | 17.665   | ug/l       | 99       |
| 7) Trichlorofluoromethane    | 3.125  | 101   | 65964    | 21.329   | ug/l       | 94       |
| 8) Diethyl Ether             | 3.528  | 74    | 22476    | 22.486   | ug/l       | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 3.900  | 101   | 36739    | 20.543   | ug/l       | 97       |
| 10) Methyl Iodide            | 4.095  | 142   | 45557    | 21.865   | ug/l       | 96       |
| 11) Tert butyl alcohol       | 4.942  | 59    | 34534    | 157.326  | ug/l #     | 95       |
| 12) 1,1-Dichloroethene       | 3.869  | 96    | 35172    | 21.470   | ug/l       | 85       |
| 13) Acrolein                 | 3.735  | 56    | 6950     | 139.254  | ug/l       | 98       |
| 14) Allyl chloride           | 4.479  | 41    | 59015    | 20.521   | ug/l #     | 91       |
| 15) Acrylonitrile            | 5.168  | 53    | 59207    | 108.448  | ug/l       | 99       |
| 16) Acetone                  | 3.942  | 43    | 61774    | 100.475  | ug/l       | 95       |
| 17) Carbon Disulfide         | 4.198  | 76    | 91434    | 20.139   | ug/l       | 99       |
| 18) Methyl Acetate           | 4.479  | 43    | 34634    | 23.045   | ug/l #     | 91       |
| 19) Methyl tert-butyl Ether  | 5.222  | 73    | 103271   | 22.089   | ug/l       | 93       |
| 20) Methylene Chloride       | 4.716  | 84    | 67724    | 23.750   | ug/l #     | 83       |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 40199    | 21.235   | ug/l       | 87       |
| 22) Diisopropyl ether        | 6.119  | 45    | 127809   | 20.360   | ug/l #     | 96       |
| 23) Vinyl Acetate            | 6.058  | 43    | 366458   | 100.218  | ug/l #     | 94       |
| 24) 1,1-Dichloroethane       | 6.015  | 63    | 76833    | 20.846   | ug/l       | 98       |
| 25) 2-Butanone               | 6.984  | 43    | 82477    | 102.074  | ug/l #     | 87       |
| 26) 2,2-Dichloropropane      | 6.984  | 77    | 71594    | 21.047   | ug/l       | 97       |
| 27) cis-1,2-Dichloroethene   | 6.984  | 96    | 47765    | 21.432   | ug/l       | 92       |
| 28) Bromochloromethane       | 7.332  | 49    | 27476    | 18.557   | ug/l #     | 83       |
| 29) Tetrahydrofuran          | 7.350  | 42    | 47105    | 103.229  | ug/l       | 88       |
| 30) Chloroform               | 7.509  | 83    | 80699    | 21.113   | ug/l       | 98       |
| 31) Cyclohexane              | 7.783  | 56    | 60485    | 19.279   | ug/l #     | 87       |
| 32) 1,1,1-Trichloroethane    | 7.698  | 97    | 71876    | 21.021   | ug/l       | 95       |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 57659    | 20.697   | ug/l       | 99       |
| 37) Ethyl Acetate            | 7.076  | 43    | 33860    | 21.345   | ug/l       | 96       |
| 38) Carbon Tetrachloride     | 7.899  | 117   | 66105    | 21.209   | ug/l       | 99       |
| 39) Methylcyclohexane        | 9.185  | 83    | 62472    | 20.094   | ug/l       | 94       |
| 40) Benzene                  | 8.161  | 78    | 171252   | 21.103   | ug/l       | 98       |

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 Sample : VY1206SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1206SBS01

Quant Time: Dec 06 23:44:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.338  | 41   | 44293    | 55.223  | ug/l # | 1        |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 53299    | 21.237  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 57548    | 20.109  | ug/l # | 91       |
| 44) Trichloroethene           | 8.941  | 130  | 46034    | 21.083  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 43172    | 20.813  | ug/l   | 94       |
| 46) Dibromomethane            | 9.307  | 93   | 23654    | 20.395  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 61814    | 21.159  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.295  | 41   | 26035    | 20.482  | ug/l # | 86       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 6387     | 444.680 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 160269   | 100.744 | ug/l   | 92       |
| 52) Toluene                   | 10.246 | 92   | 109327   | 21.304  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 61304    | 20.993  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 69281    | 21.089  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 35246    | 21.242  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 43617    | 21.136  | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 60583    | 21.559  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 108539   | 107.391 | ug/l   | 94       |
| 59) 2-Hexanone                | 10.831 | 43   | 115725   | 101.922 | ug/l   | 89       |
| 60) Dibromochloromethane      | 10.984 | 129  | 44237    | 21.754  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 32650    | 21.557  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 45549    | 20.816  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 119122   | 21.424  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 44872    | 21.292  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 208027   | 20.720  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 161236   | 42.189  | ug/l   | 95       |
| 69) o-Xylene                  | 12.032 | 106  | 75809    | 21.306  | ug/l   | 95       |
| 70) Styrene                   | 12.044 | 104  | 130300   | 21.453  | ug/l   | 96       |
| 71) Bromoform                 | 12.209 | 173  | 28212    | 22.004  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.331 | 105  | 206210   | 21.208  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.142 | 43   | 46631    | 19.421  | ug/l # | 85       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 40671    | 21.227  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 55680    | 38.457  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 47807    | 21.057  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.672 | 91   | 250052   | 21.080  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 141177   | 21.116  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 177045   | 21.601  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 14070    | 21.285  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 148448   | 21.234  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.075 | 119  | 152125   | 21.309  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 173230   | 21.399  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 225714   | 21.190  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 189383   | 21.303  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 97594    | 21.117  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 96874    | 20.962  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.697 | 91   | 169684   | 20.764  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 36748    | 20.470  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 88161    | 21.519  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 6605     | 21.021  | ug/l   | 83       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 49754    | 21.895  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 31623    | 22.388  | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 90454    | 21.481  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 41894    | 21.513  | ug/l   | 99       |

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Operator : KP/MD  
Sample : VY1206SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

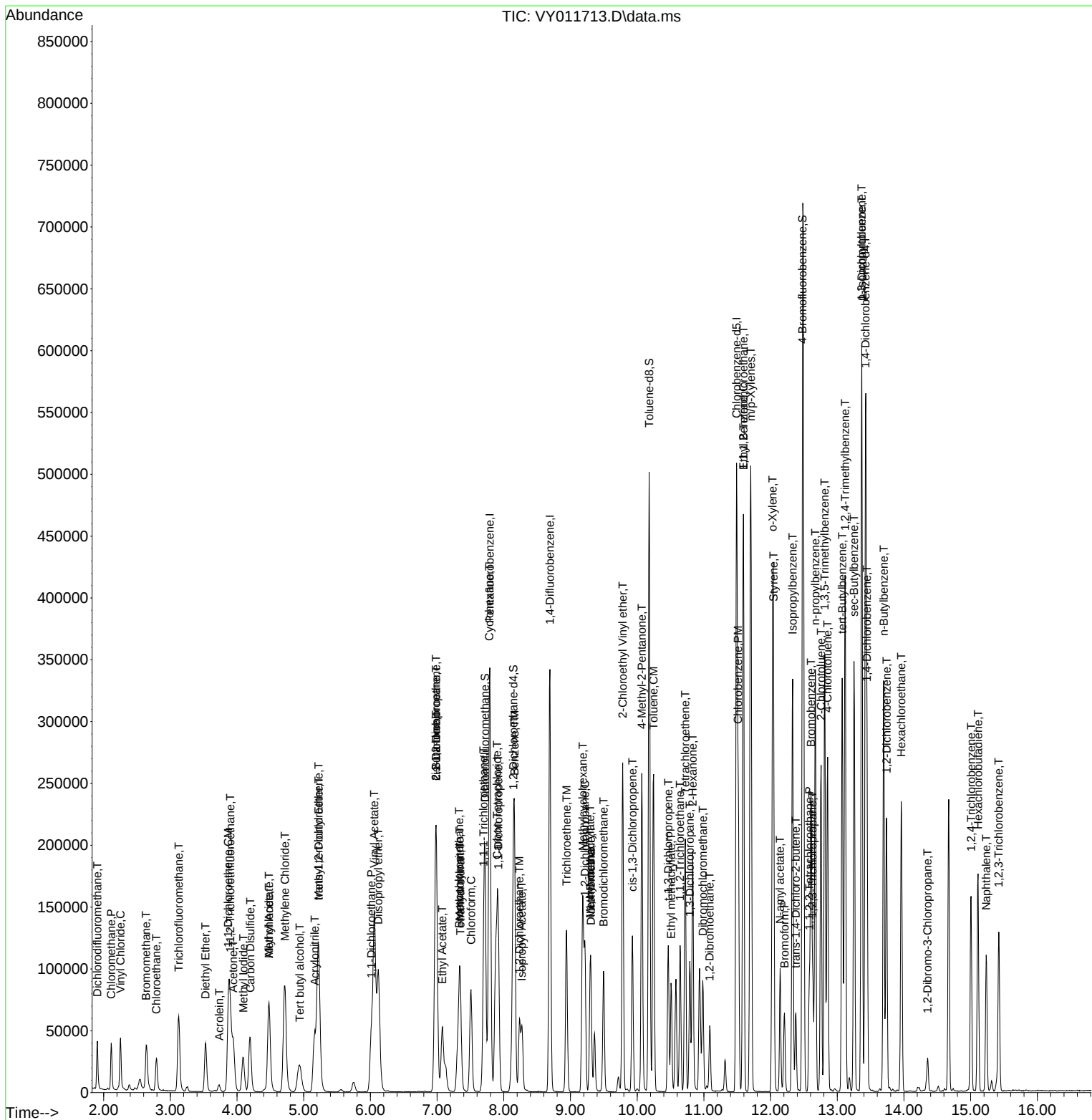
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBSD01

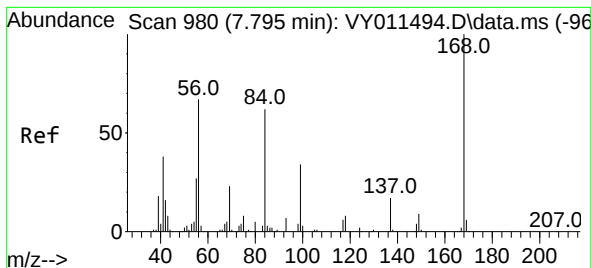
Quant Time: Dec 06 23:44:14 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 19 22:37:14 2022  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

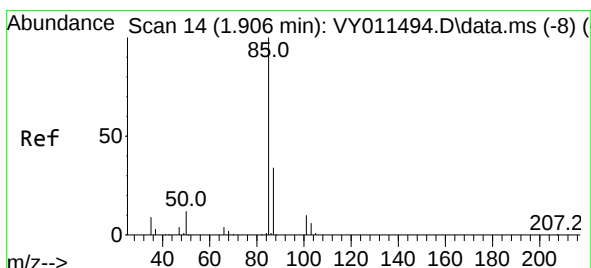
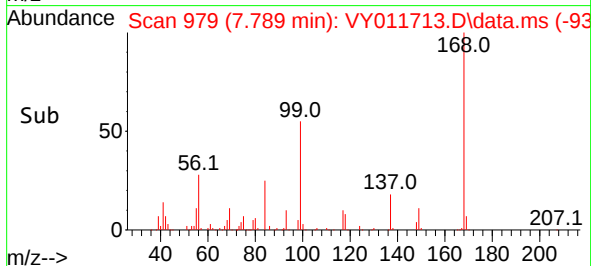
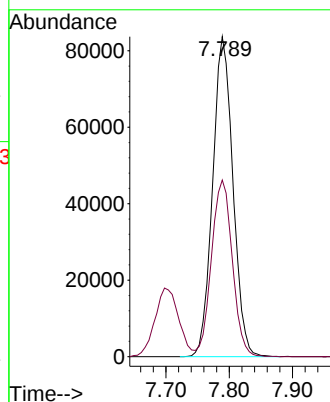
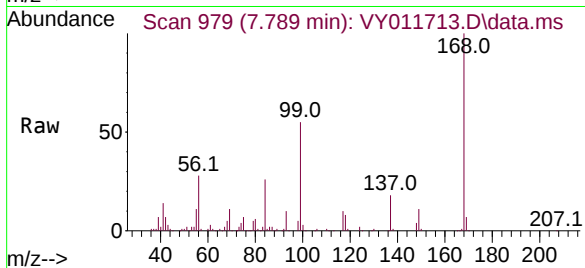
VY1206SBS01

Tgt Ion:168 Resp: 186412

Ion Ratio Lower Upper

168 100

99 55.2 46.9 70.3



#2

Dichlorodifluoromethane

Concen: 27.936 ug/l

RT: 1.906 min Scan# 14

Delta R.T. -0.000 min

Lab File: VY011713.D

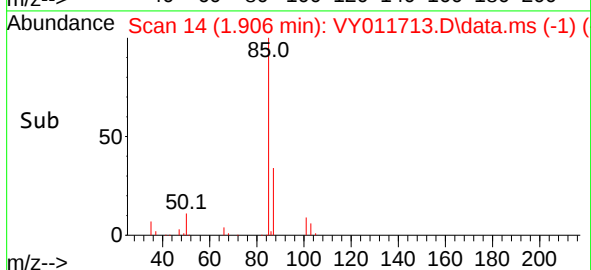
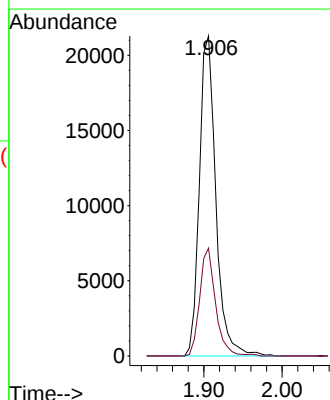
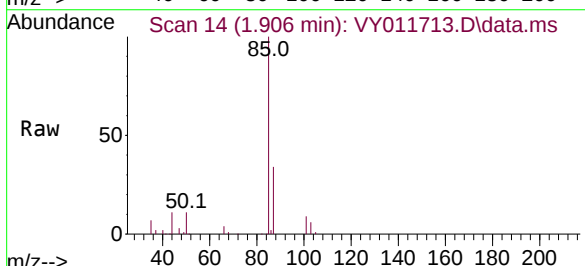
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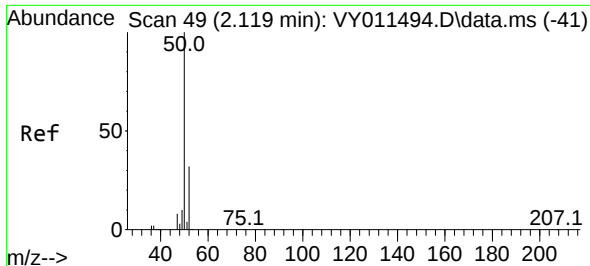
Tgt Ion: 85 Resp: 31160

Ion Ratio Lower Upper

85 100

87 33.7 16.1 48.2

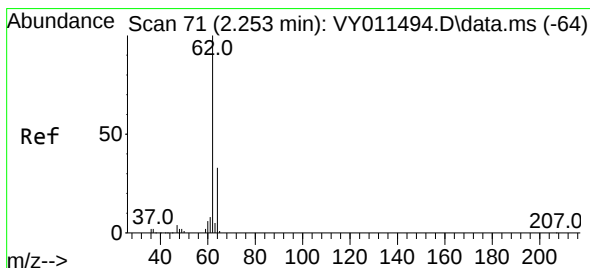
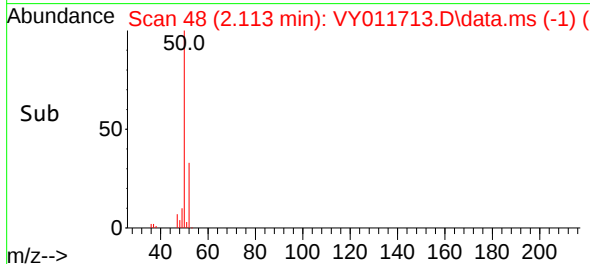
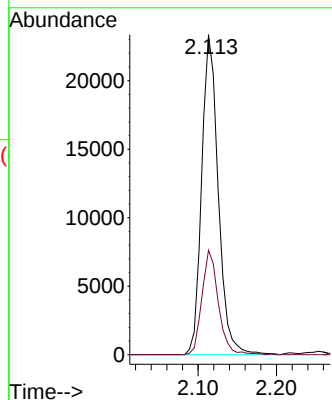
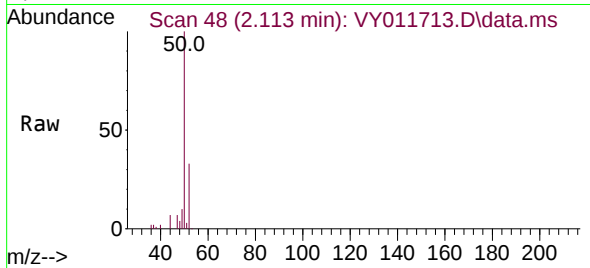




#3  
Chloromethane  
Concen: 18.904 ug/l  
RT: 2.113 min Scan# 49  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

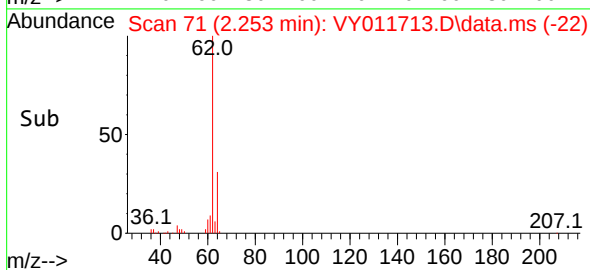
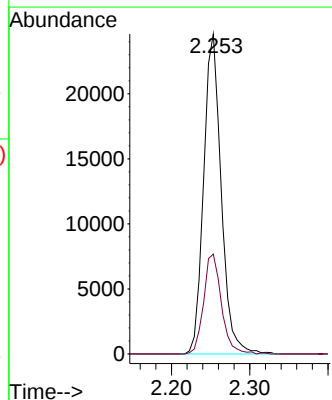
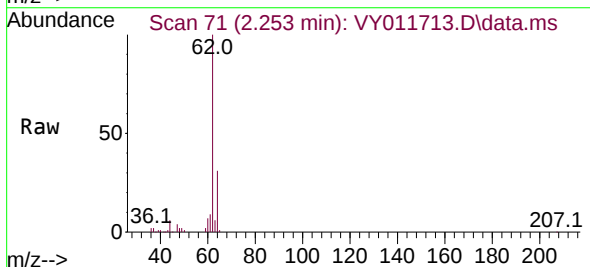
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

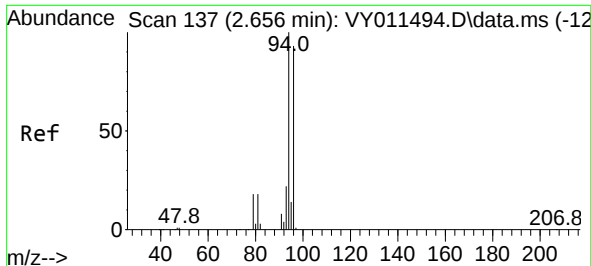
Tgt Ion: 50 Resp: 34328  
Ion Ratio Lower Upper  
50 100  
52 32.6 24.6 37.0



#4  
Vinyl Chloride  
Concen: 18.158 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 62 Resp: 38286  
Ion Ratio Lower Upper  
62 100  
64 31.2 25.0 37.6

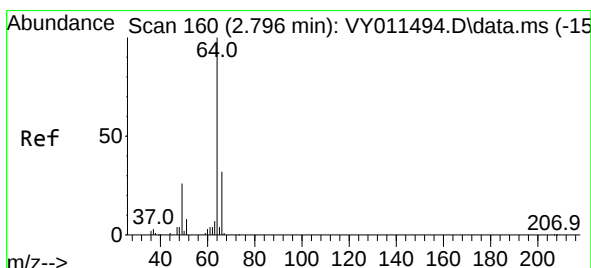
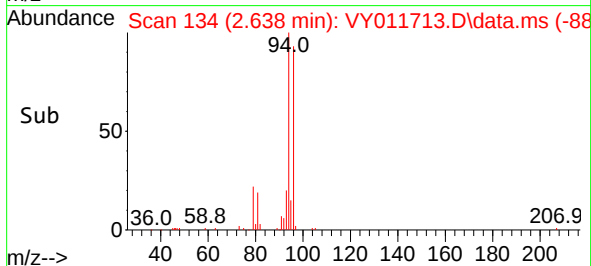
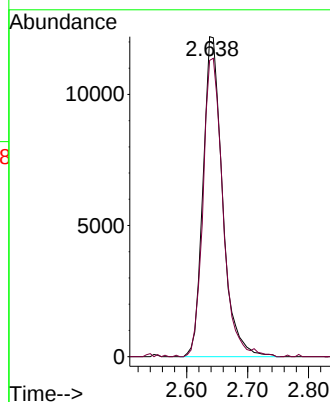
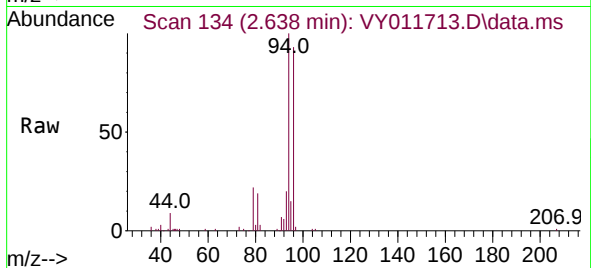




#5  
Bromomethane  
Concen: 17.530 ug/l  
RT: 2.638 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

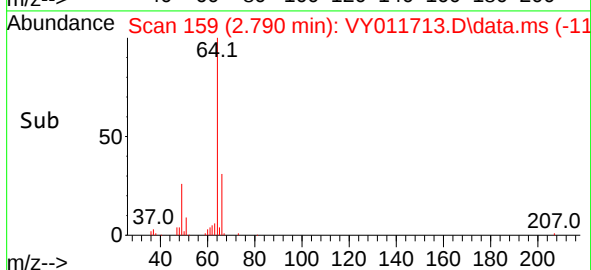
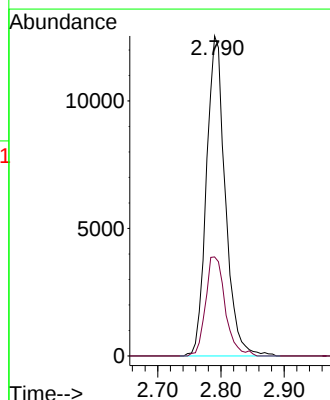
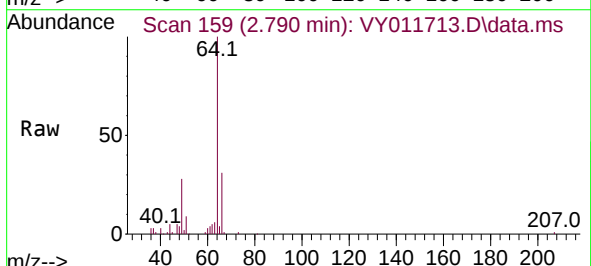
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

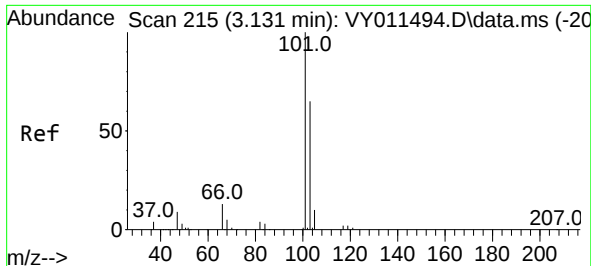
Tgt Ion: 94 Resp: 27086  
Ion Ratio Lower Upper  
94 100  
96 92.6 73.5 110.3



#6  
Chloroethane  
Concen: 17.665 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 64 Resp: 25987  
Ion Ratio Lower Upper  
64 100  
66 30.9 25.4 38.0

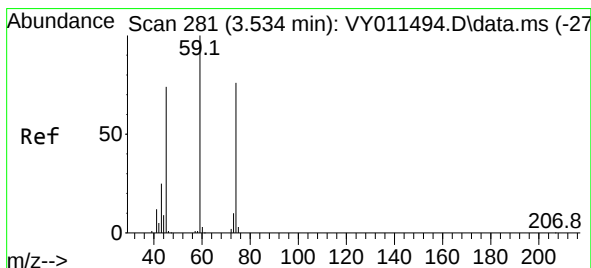
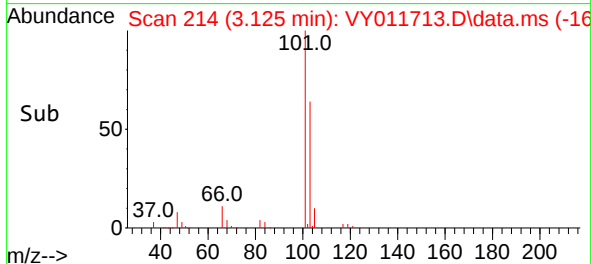
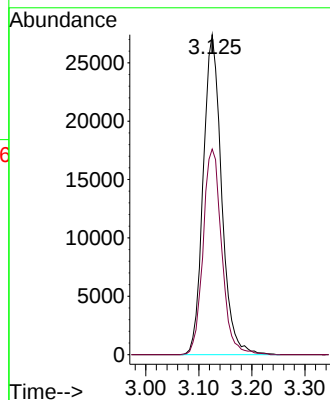
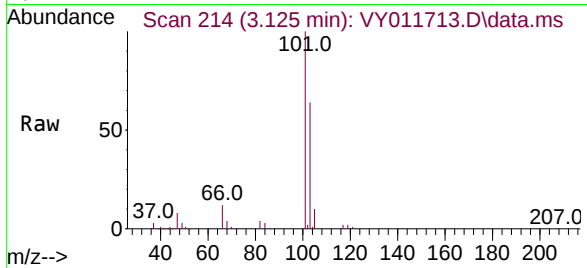




#7  
 Trichlorofluoromethane  
 Concen: 21.329 ug/l  
 RT: 3.125 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VY011713.D  
 Acq: 06 Dec 2022 12:45

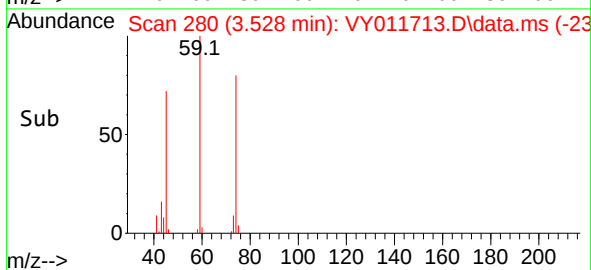
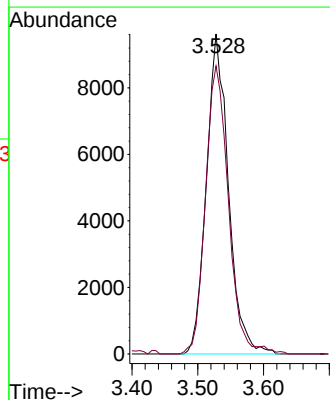
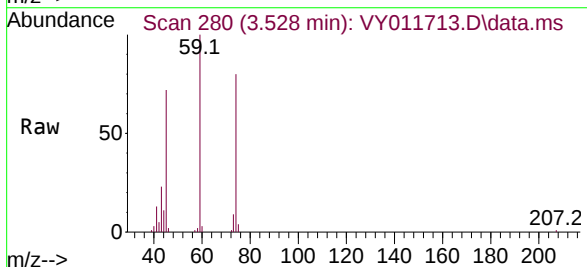
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1206SBS01

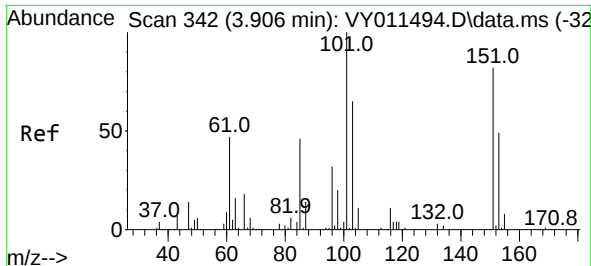
Tgt Ion:101 Resp: 65964  
 Ion Ratio Lower Upper  
 101 100  
 103 64.3 48.0 72.0



#8  
 Diethyl Ether  
 Concen: 22.486 ug/l  
 RT: 3.528 min Scan# 280  
 Delta R.T. -0.006 min  
 Lab File: VY011713.D  
 Acq: 06 Dec 2022 12:45

Tgt Ion: 74 Resp: 22476  
 Ion Ratio Lower Upper  
 74 100  
 45 93.6 55.1 165.5

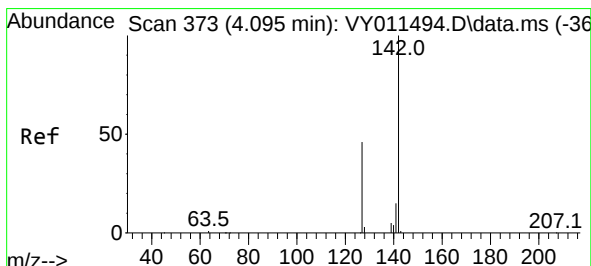
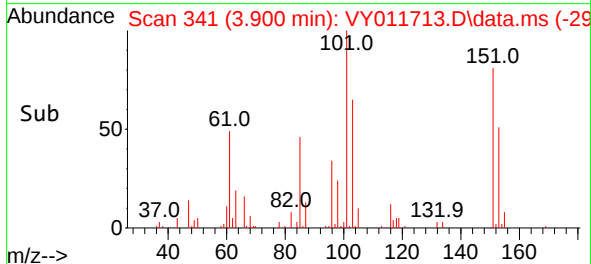
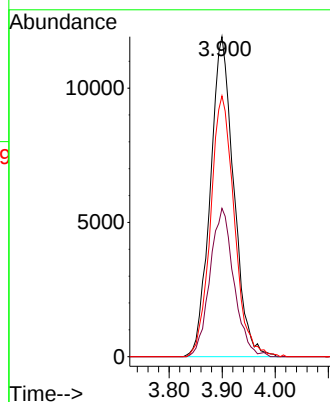
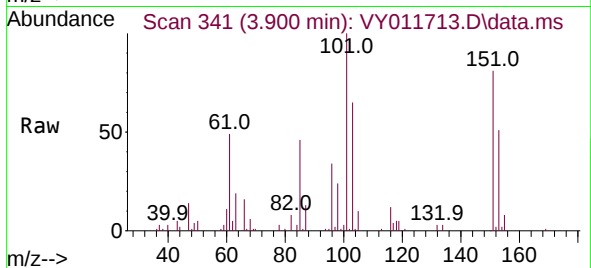




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.543 ug/l  
RT: 3.900 min Scan# 341  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

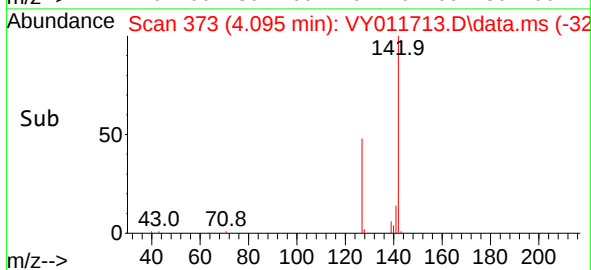
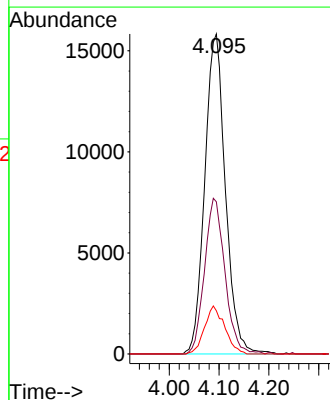
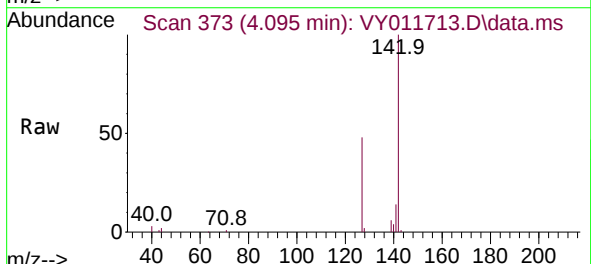
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

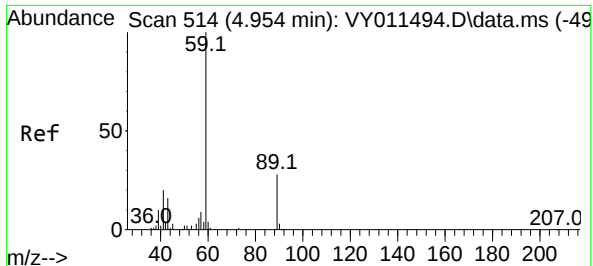
Tgt Ion:101 Resp: 36739  
Ion Ratio Lower Upper  
101 100  
85 47.2 40.6 60.8  
151 82.4 64.9 97.3



#10  
Methyl Iodide  
Concen: 21.865 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. -0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion:142 Resp: 45557  
Ion Ratio Lower Upper  
142 100  
127 48.0 41.5 62.3  
141 14.7 11.9 17.9

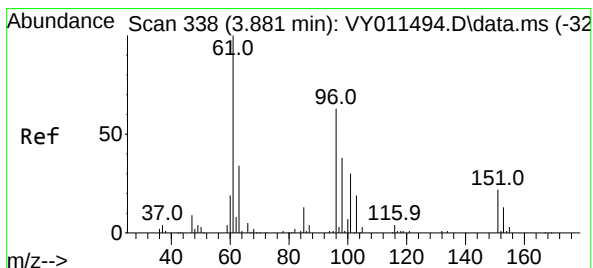
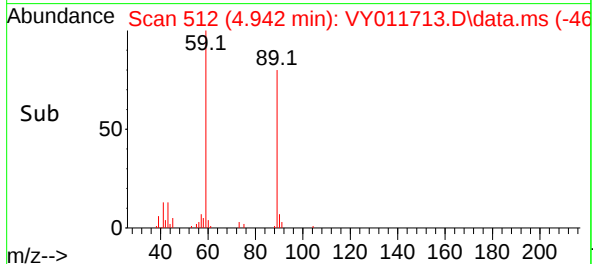
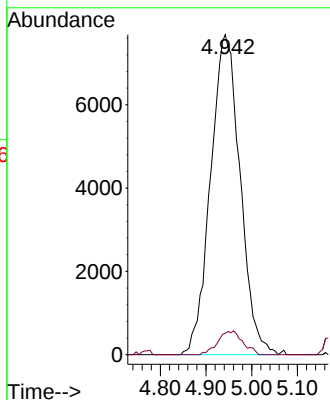
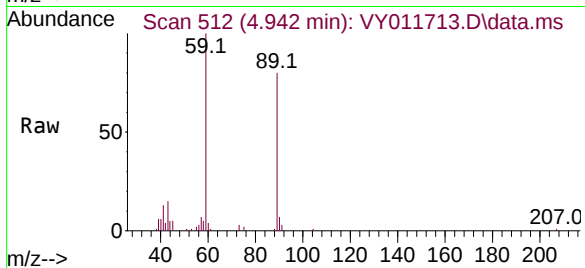




#11  
Tert butyl alcohol  
Concen: 157.326 ug/l  
RT: 4.942 min Scan# 514  
Delta R.T. -0.012 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

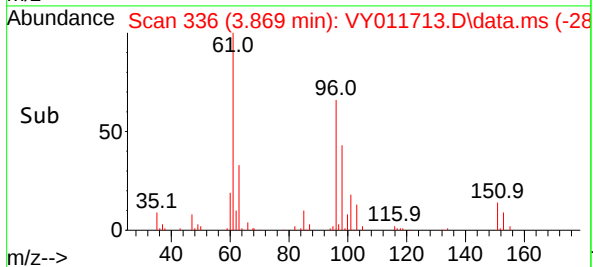
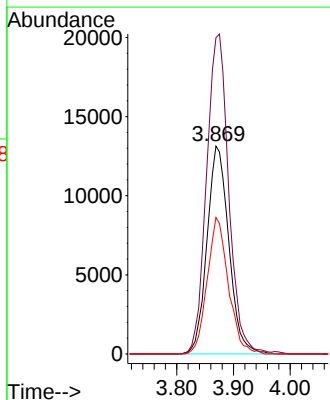
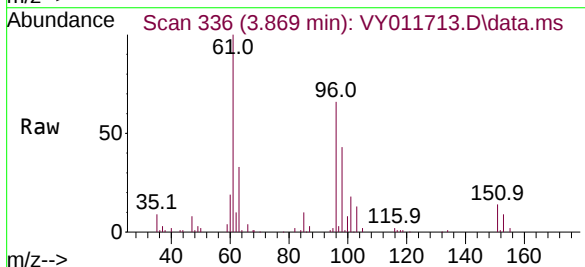
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

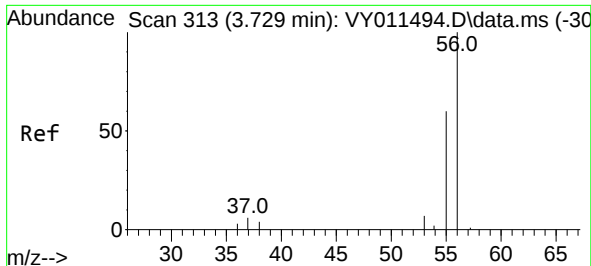
Tgt Ion: 59 Resp: 34534  
Ion Ratio Lower Upper  
59 100  
57 6.2 6.4 9.6#



#12  
1,1-Dichloroethene  
Concen: 21.470 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.012 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 96 Resp: 35172  
Ion Ratio Lower Upper  
96 100  
61 152.2 145.8 218.6  
98 65.7 52.5 78.7





#13

Acrolein

Concen: 139.254 ug/l

RT: 3.735 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

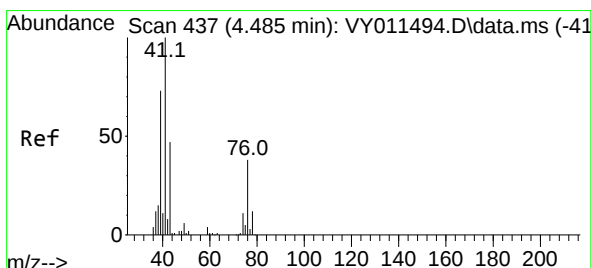
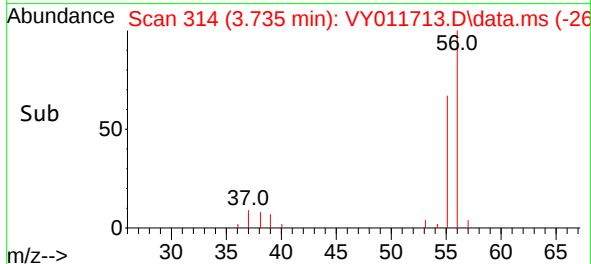
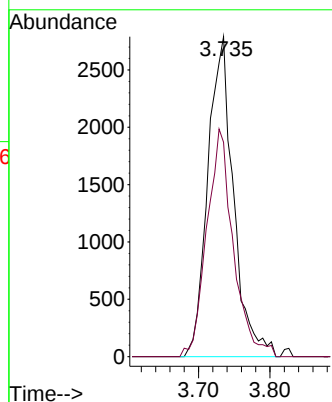
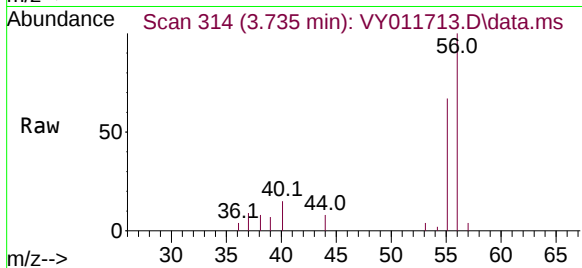
VY1206SBS01

Tgt Ion: 56 Resp: 6950

Ion Ratio Lower Upper

56 100

55 73.4 57.6 86.4



#14

Allyl chloride

Concen: 20.521 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

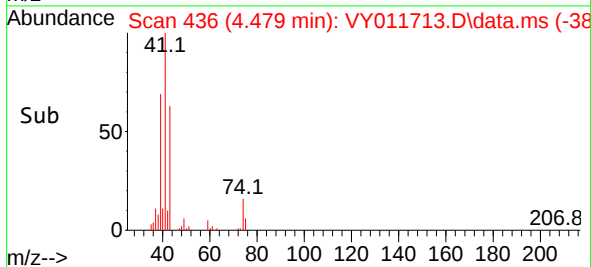
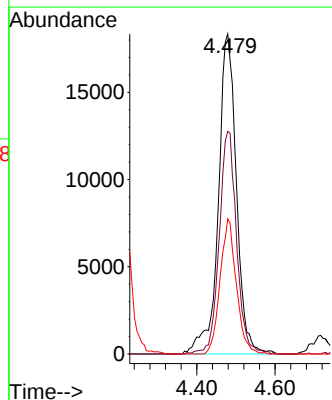
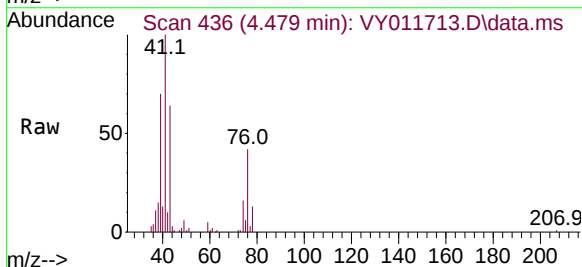
Tgt Ion: 41 Resp: 59015

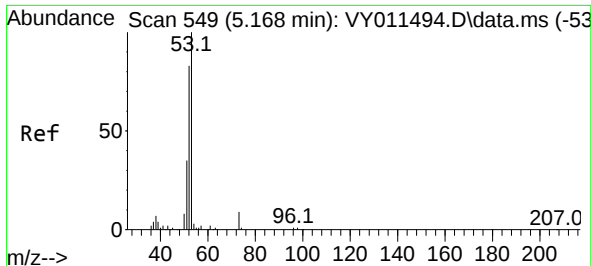
Ion Ratio Lower Upper

41 100

39 66.8 58.8 88.2

76 37.8 25.1 37.7#

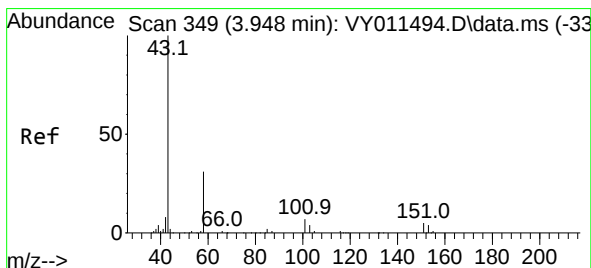
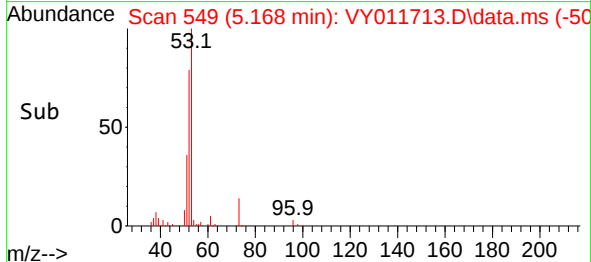
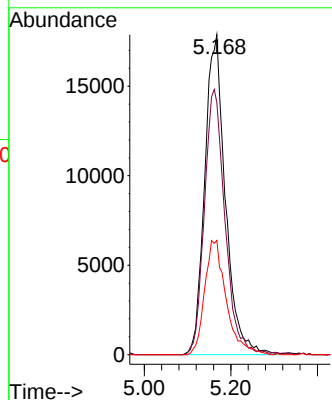
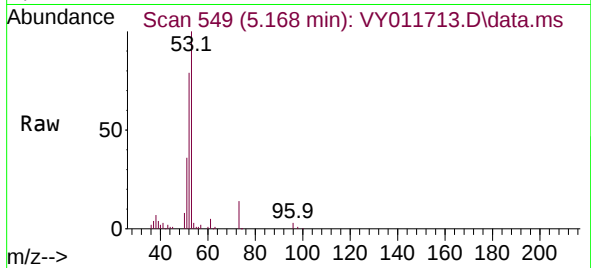




#15  
Acrylonitrile  
Concen: 108.448 ug/l  
RT: 5.168 min Scan# 549  
Delta R.T. -0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

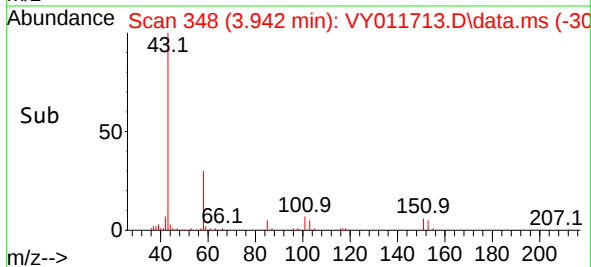
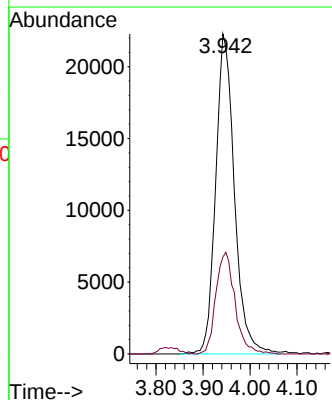
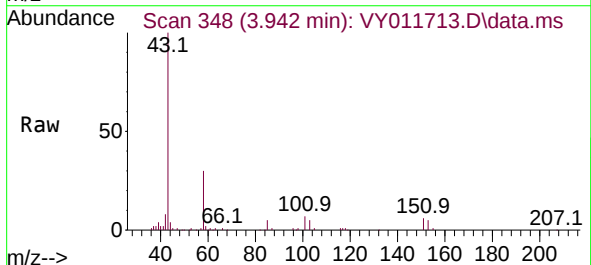
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

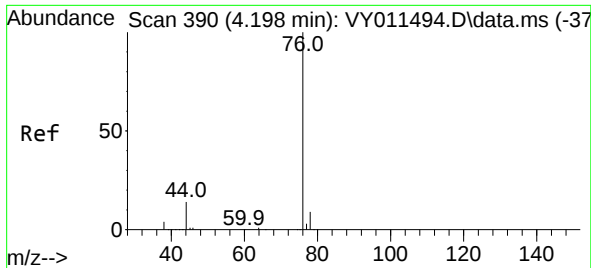
|             |                 |
|-------------|-----------------|
| Tgt Ion: 53 | Resp: 59207     |
| Ion Ratio   | Lower Upper     |
| 53          | 100             |
| 52          | 82.8 67.0 100.4 |
| 51          | 37.3 29.8 44.6  |



#16  
Acetone  
Concen: 100.475 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 61774    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 58          | 30.3 22.0 33.0 |

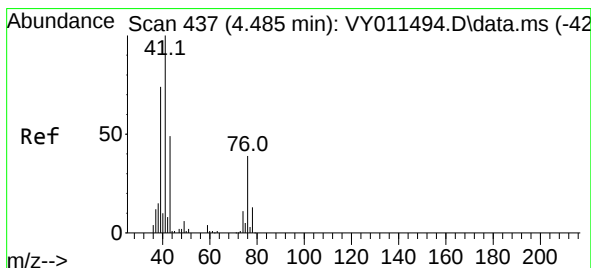
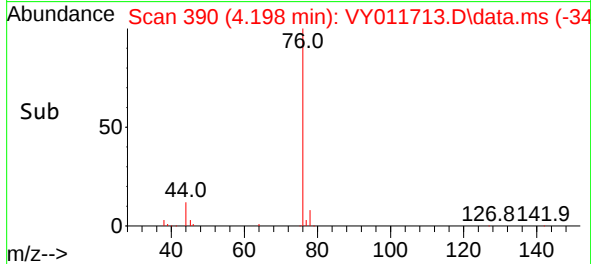
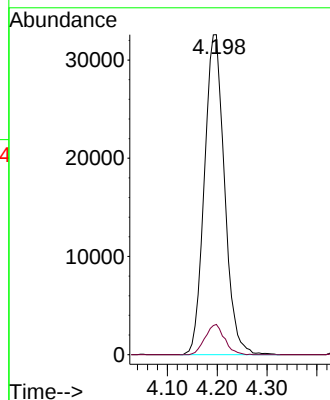
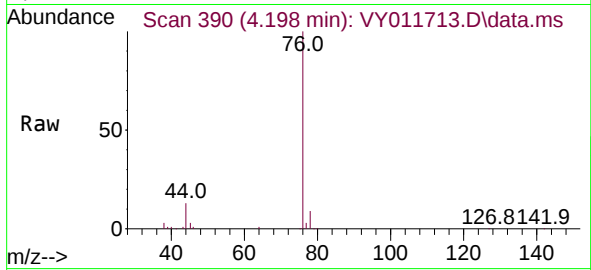




#17  
Carbon Disulfide  
Concen: 20.139 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

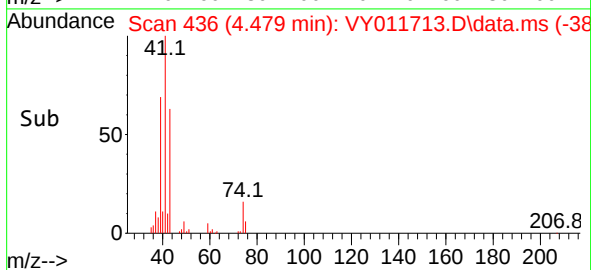
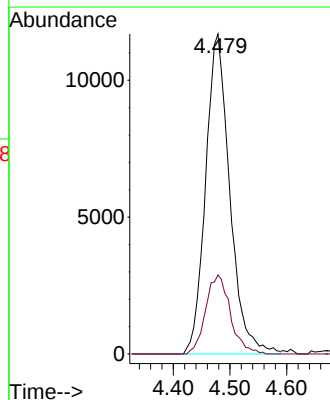
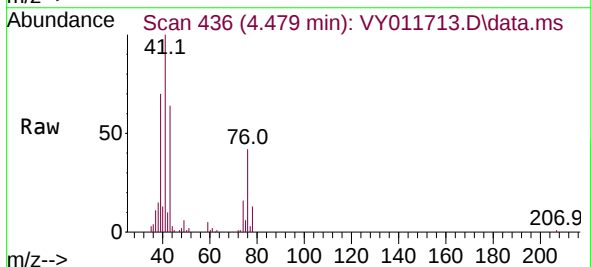
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

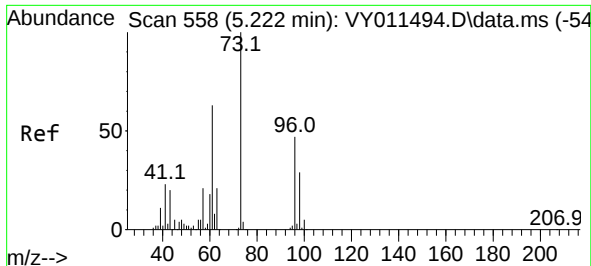
Tgt Ion: 76 Resp: 91434  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.4 11.0



#18  
Methyl Acetate  
Concen: 23.045 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 43 Resp: 34634  
Ion Ratio Lower Upper  
43 100  
74 25.1 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 22.089 ug/l

RT: 5.222 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

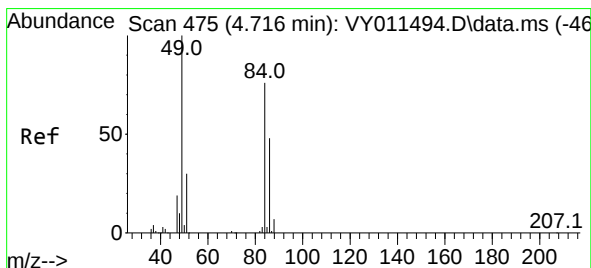
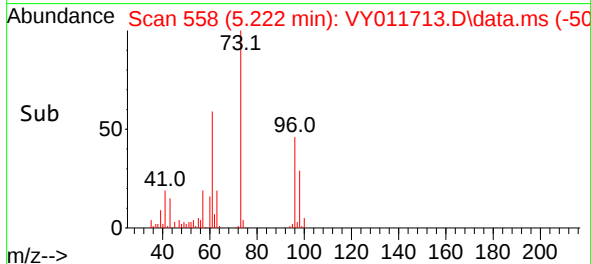
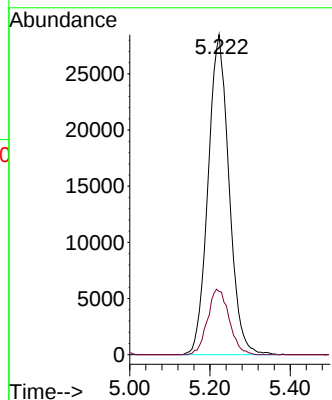
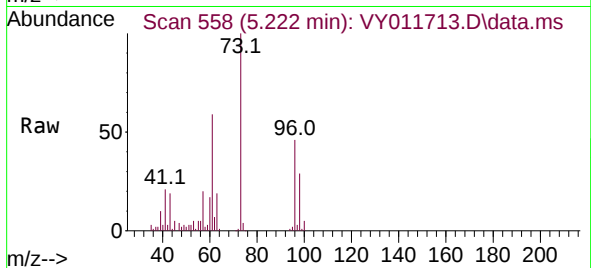
VY1206SBS01

Tgt Ion: 73 Resp: 103271

Ion Ratio Lower Upper

73 100

57 19.7 18.6 27.8



#20

Methylene Chloride

Concen: 23.750 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Tgt Ion: 84 Resp: 67724

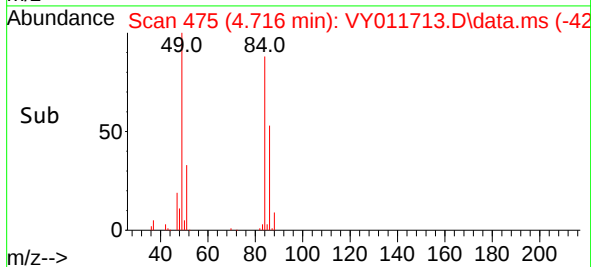
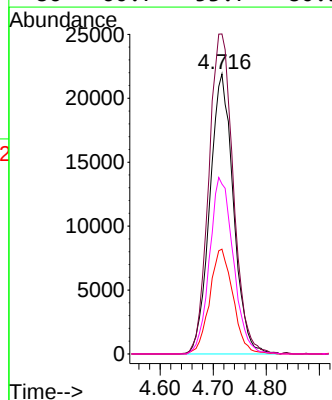
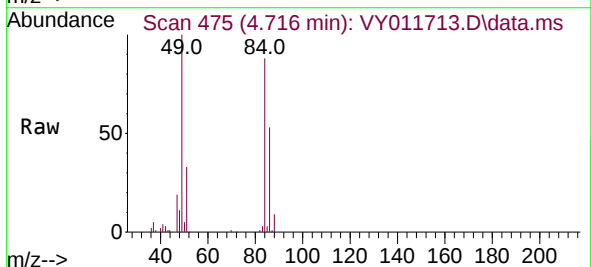
Ion Ratio Lower Upper

84 100

49 114.3 114.4 171.6#

51 37.5 35.3 52.9

86 60.7 53.7 80.5

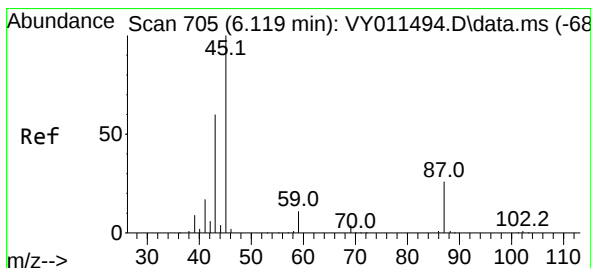
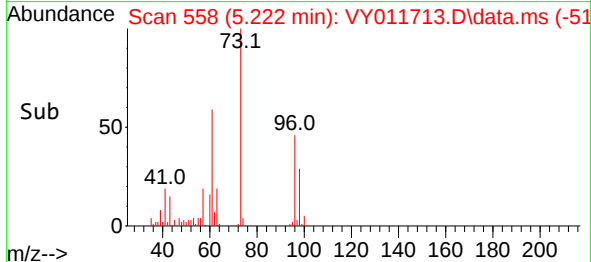
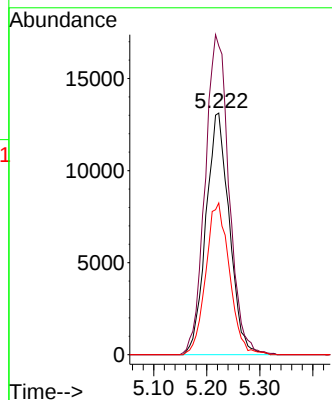
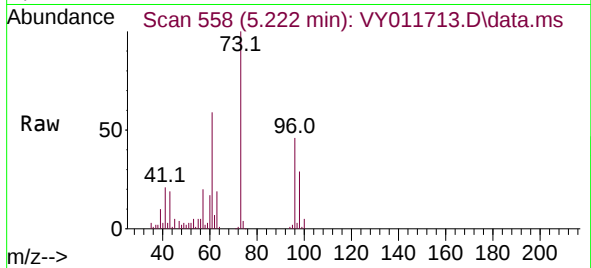




#21  
trans-1,2-Dichloroethene  
Concen: 21.235 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

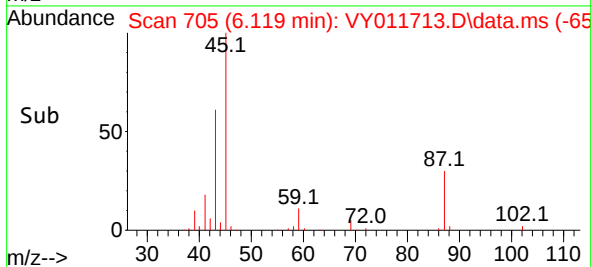
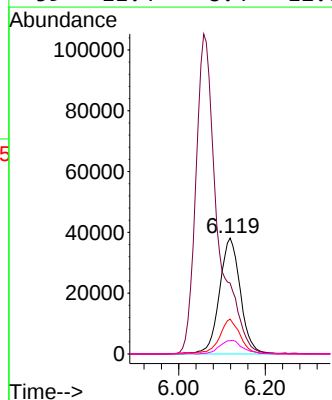
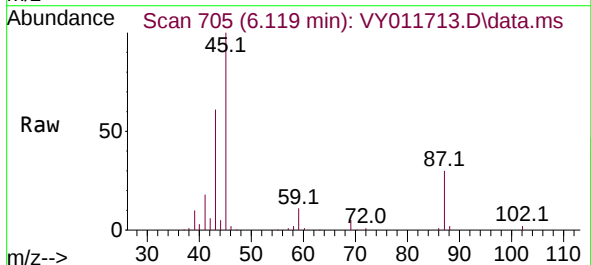
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

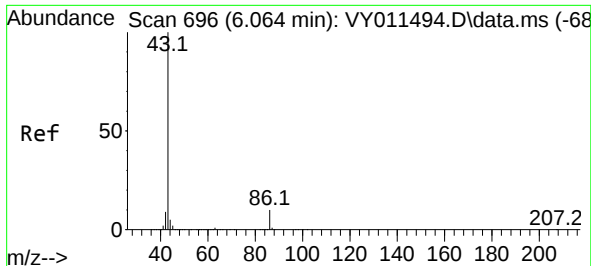
Tgt Ion: 96 Resp: 40199  
Ion Ratio Lower Upper  
96 100  
61 127.8 120.5 180.7  
98 62.8 49.8 74.8



#22  
Diisopropyl ether  
Concen: 20.360 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 45 Resp: 127809  
Ion Ratio Lower Upper  
45 100  
43 60.7 49.3 73.9  
87 30.0 19.2 28.8#  
59 11.4 8.4 12.6

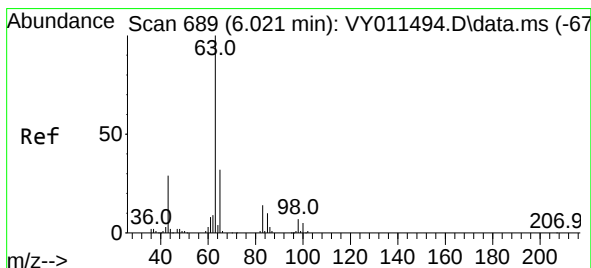
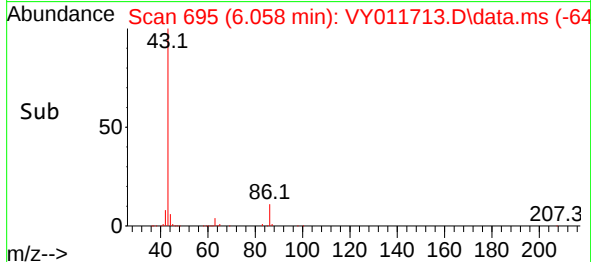
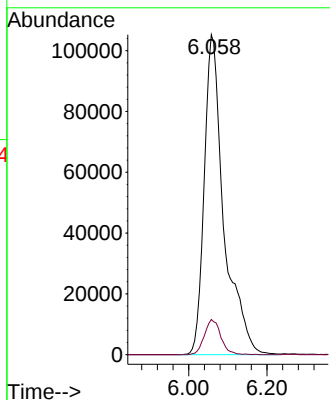
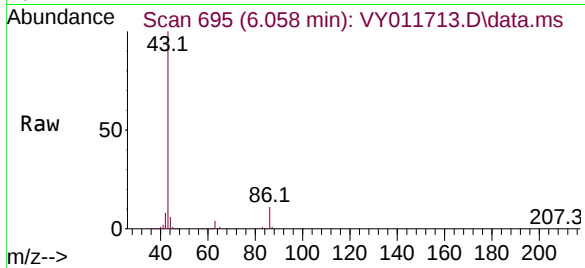




#23  
 Vinyl Acetate  
 Concen: 100.218 ug/l  
 RT: 6.058 min Scan# 61  
 Delta R.T. -0.006 min  
 Lab File: VY011713.D  
 Acq: 06 Dec 2022 12:45

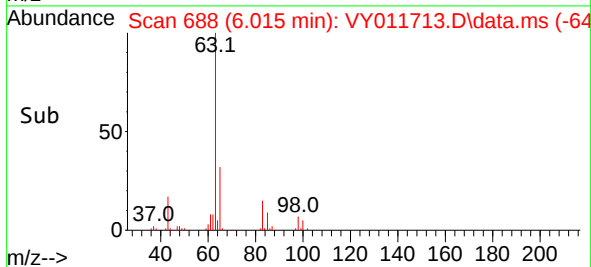
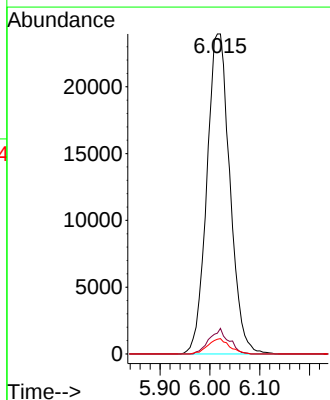
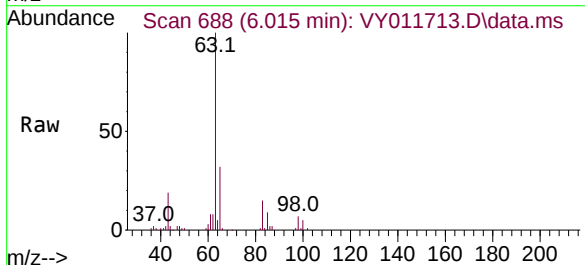
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1206SBS01

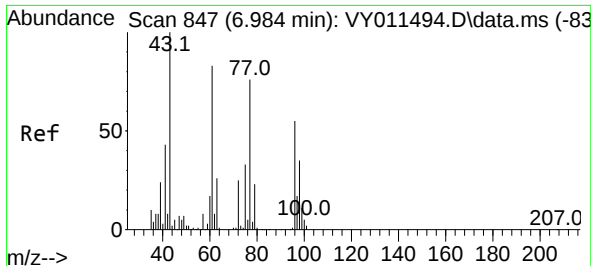
Tgt Ion: 43 Resp: 366458  
 Ion Ratio Lower Upper  
 43 100  
 86 11.0 7.1 10.7#



#24  
 1,1-Dichloroethane  
 Concen: 20.846 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.006 min  
 Lab File: VY011713.D  
 Acq: 06 Dec 2022 12:45

Tgt Ion: 63 Resp: 76833  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 3.6 10.8  
 100 4.6 2.0 5.8





#25

2-Butanone

Concen: 102.074 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

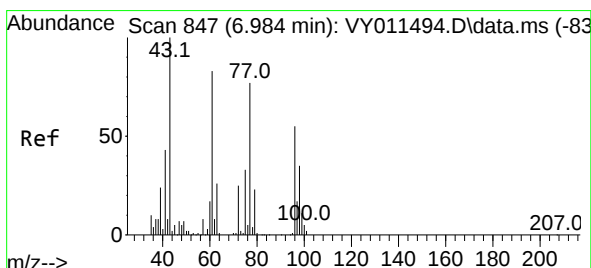
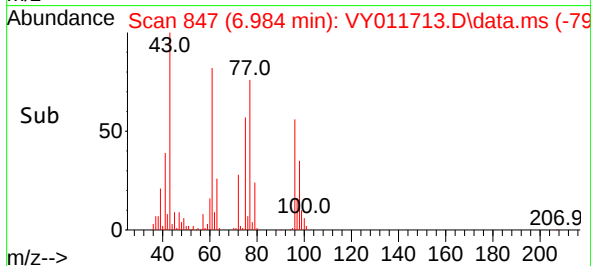
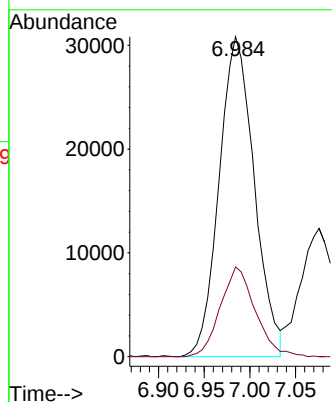
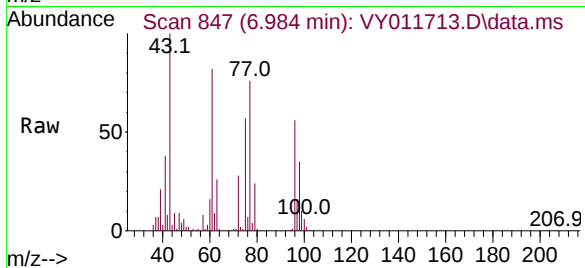
VY1206SBS01

Tgt Ion: 43 Resp: 82477

Ion Ratio Lower Upper

43 100

72 28.1 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 21.047 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY011713.D

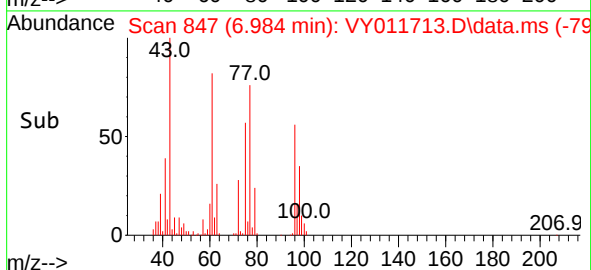
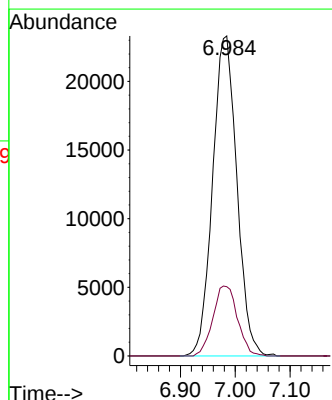
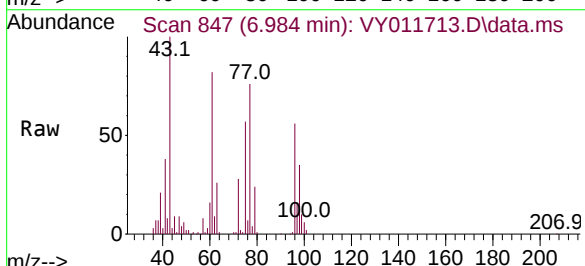
Acq: 06 Dec 2022 12:45

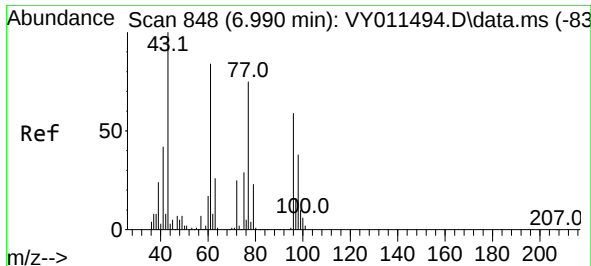
Tgt Ion: 77 Resp: 71594

Ion Ratio Lower Upper

77 100

97 22.1 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 21.432 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

VY1206SBS01

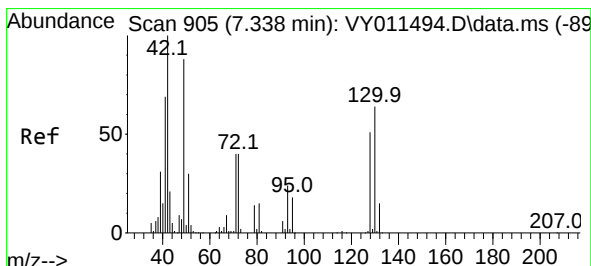
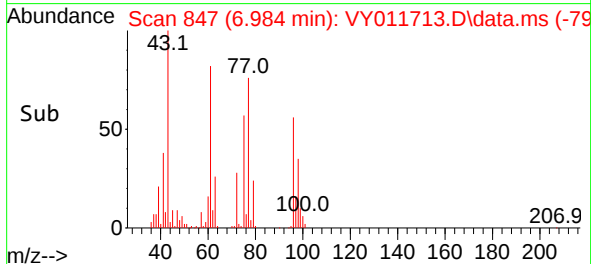
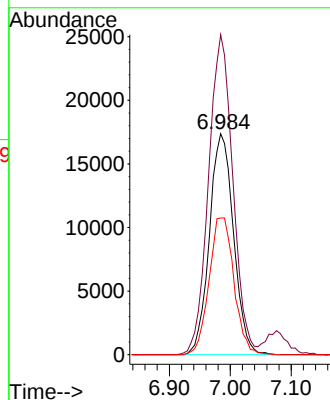
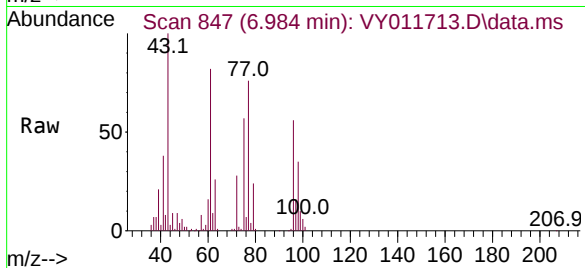
Tgt Ion: 96 Resp: 47765

Ion Ratio Lower Upper

96 100

61 146.1 0.0 319.8

98 63.9 0.0 127.0



#28

Bromochloromethane

Concen: 18.557 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

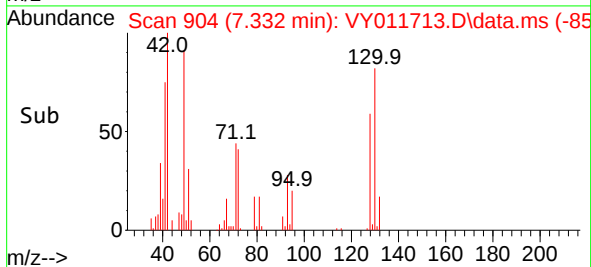
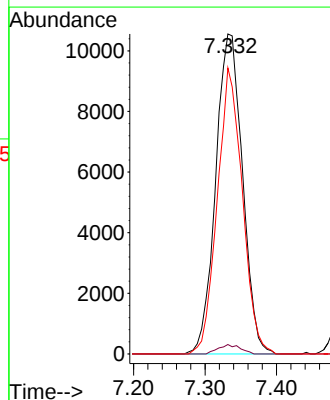
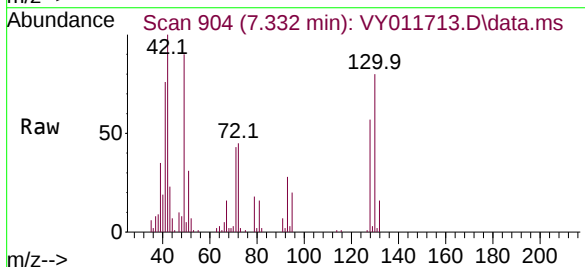
Tgt Ion: 49 Resp: 27476

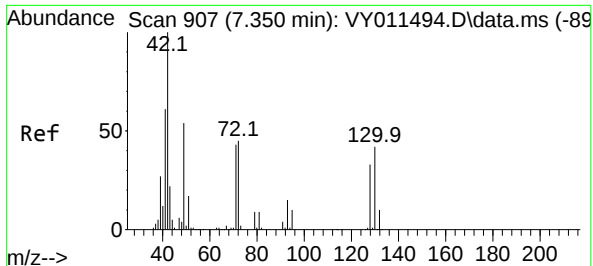
Ion Ratio Lower Upper

49 100

129 2.4 0.0 2.2#

130 83.5 55.4 83.0#





#29

Tetrahydrofuran

Concen: 103.229 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

VY1206SBS01

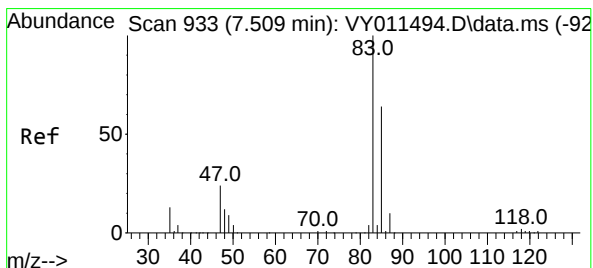
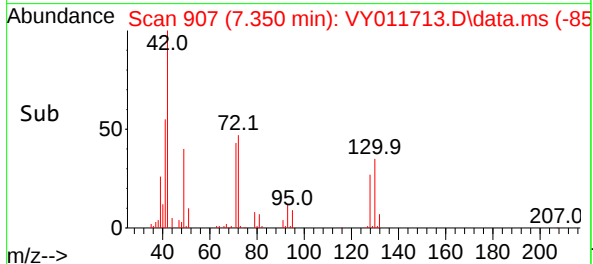
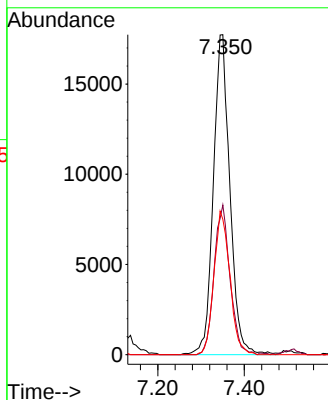
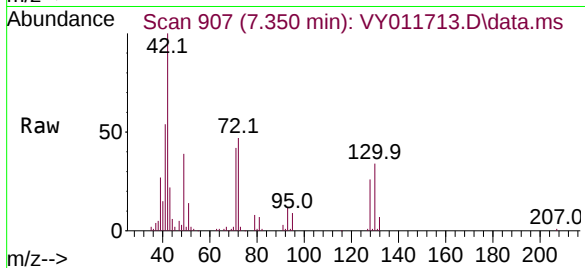
Tgt Ion: 42 Resp: 47105

Ion Ratio Lower Upper

42 100

72 45.0 30.3 45.5

71 43.3 29.0 43.4



#30

Chloroform

Concen: 21.113 ug/l

RT: 7.509 min Scan# 933

Delta R.T. -0.000 min

Lab File: VY011713.D

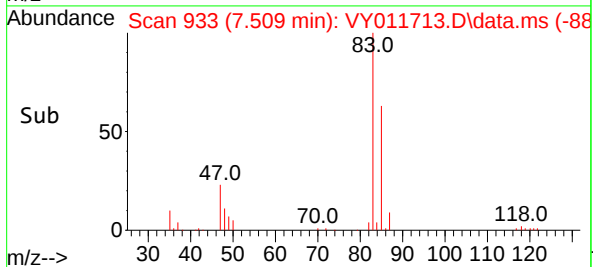
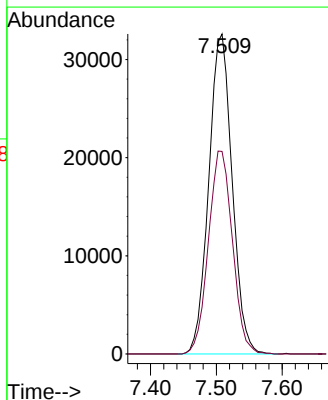
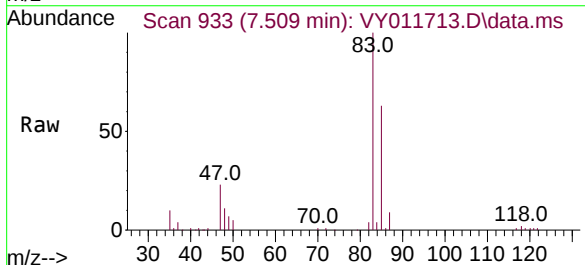
Acq: 06 Dec 2022 12:45

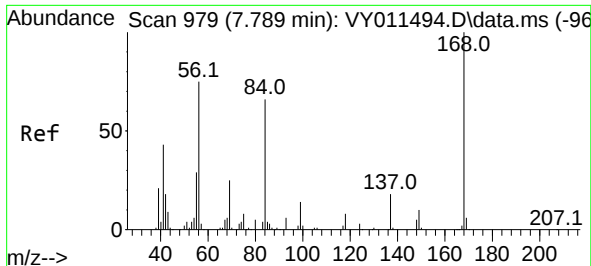
Tgt Ion: 83 Resp: 80699

Ion Ratio Lower Upper

83 100

85 63.3 51.8 77.6

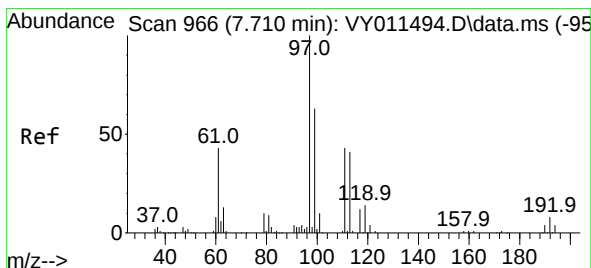
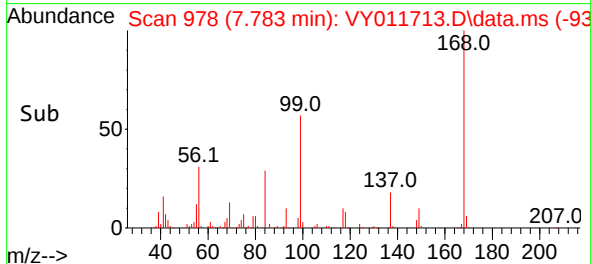
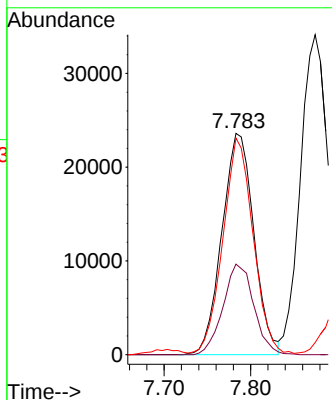
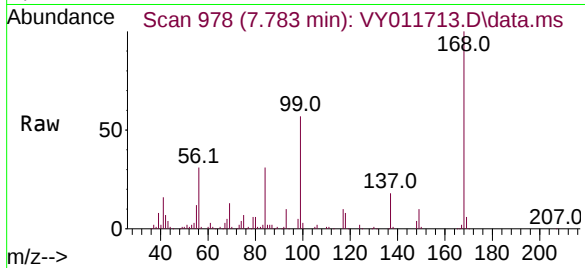




#31  
Cyclohexane  
Concen: 19.279 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

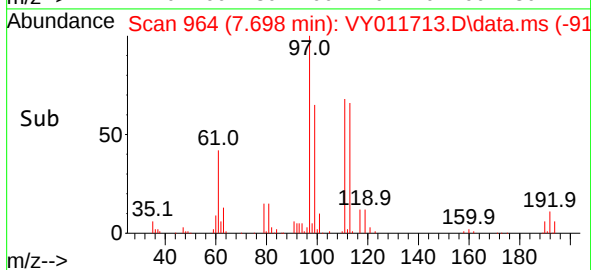
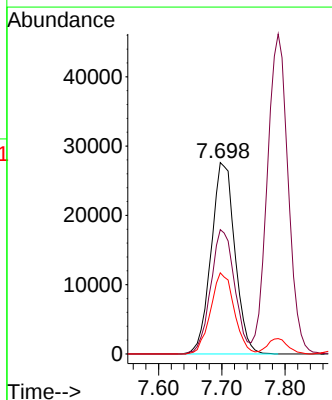
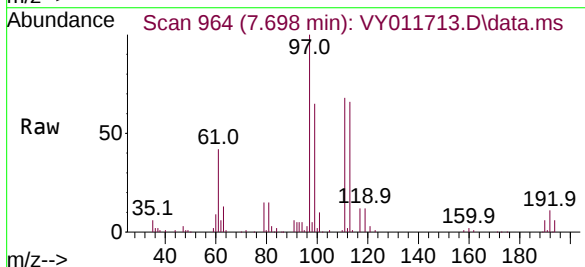
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

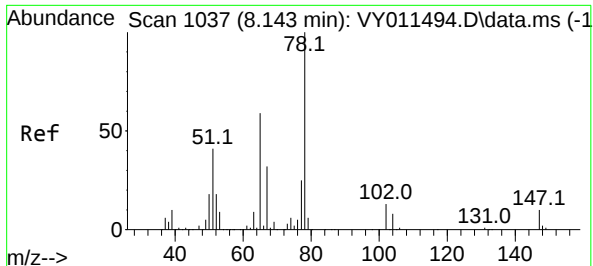
Tgt Ion: 56 Resp: 60485  
Ion Ratio Lower Upper  
56 100  
69 40.9 26.7 40.1#  
84 96.0 67.2 100.8



#32  
1,1,1-Trichloroethane  
Concen: 21.021 ug/l  
RT: 7.698 min Scan# 964  
Delta R.T. -0.012 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 97 Resp: 71876  
Ion Ratio Lower Upper  
97 100  
99 65.8 50.7 76.1  
61 42.1 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 52.250 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

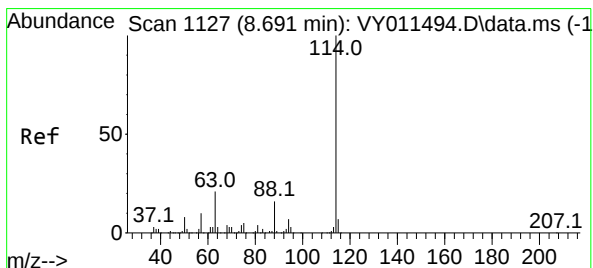
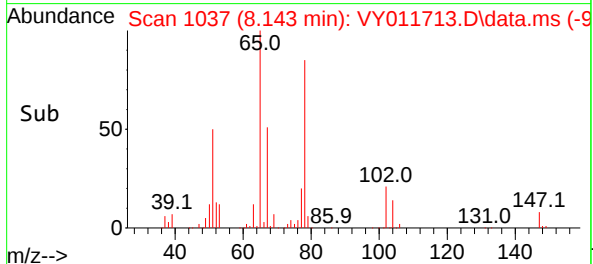
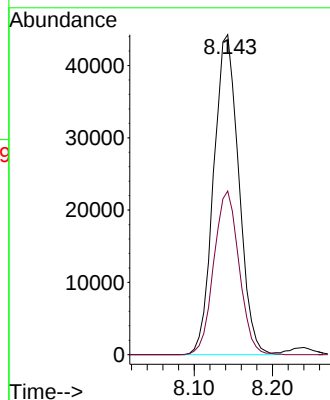
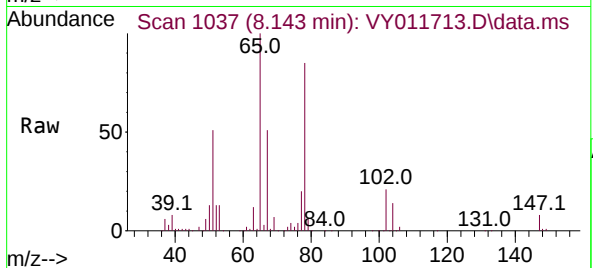
VY1206SBS01

Tgt Ion: 65 Resp: 98900

Ion Ratio Lower Upper

65 100

67 51.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

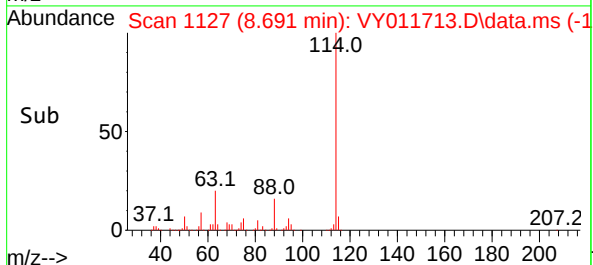
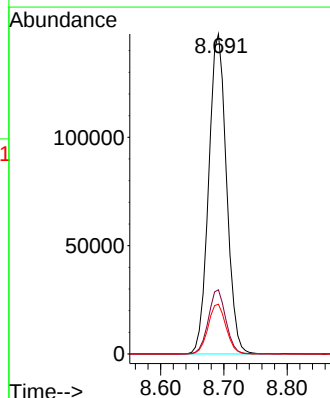
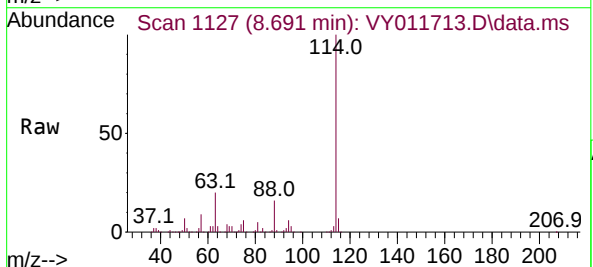
Tgt Ion: 114 Resp: 289514

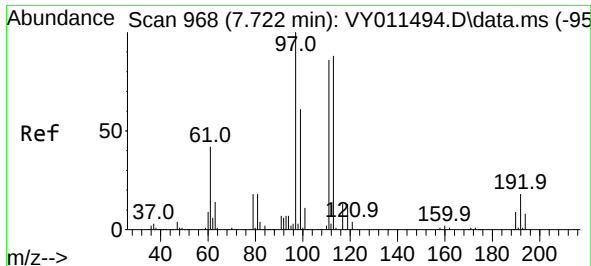
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 15.5 0.0 31.8

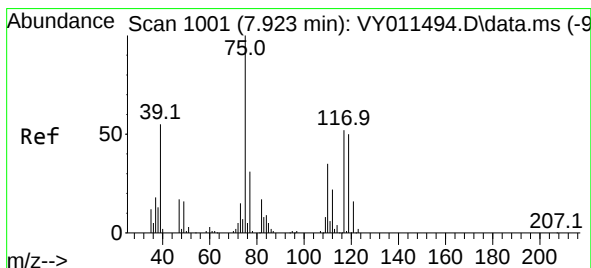
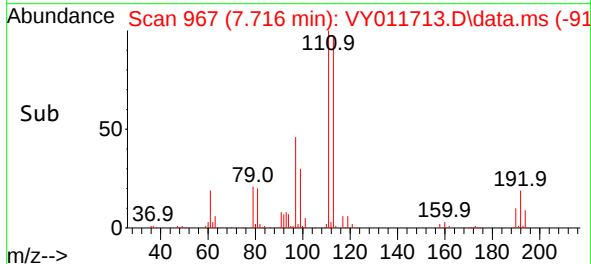
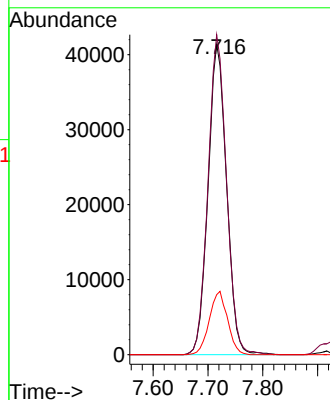
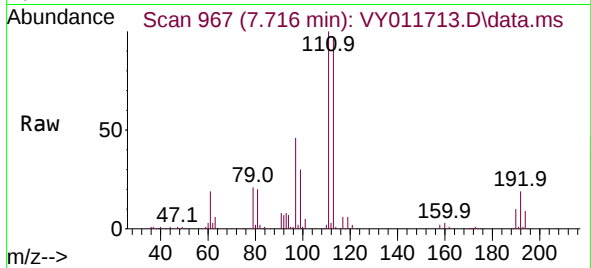




#35  
Dibromofluoromethane  
Concen: 54.386 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

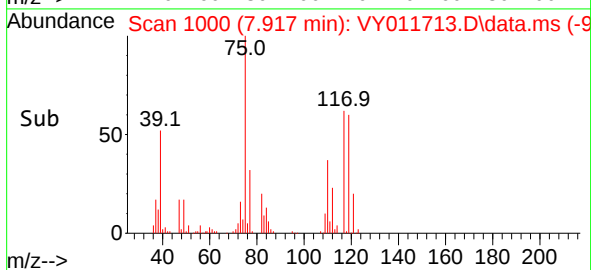
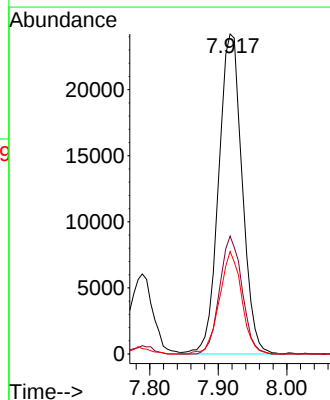
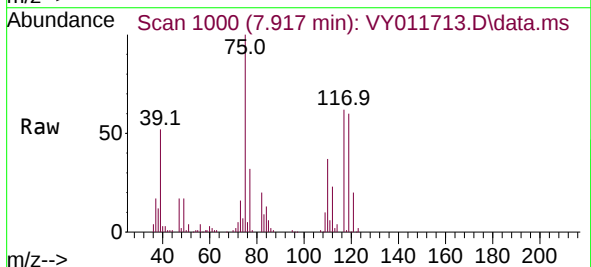
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

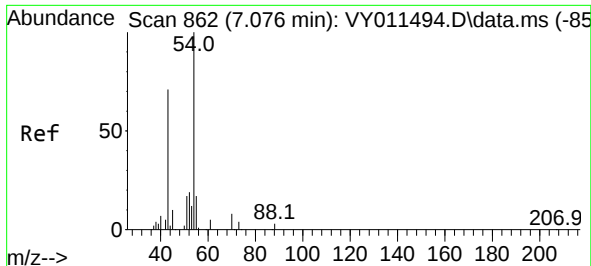
Tgt Ion:113 Resp: 96929  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.6 124.0  
192 20.1 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 20.697 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 75 Resp: 57659  
Ion Ratio Lower Upper  
75 100  
110 35.0 17.1 51.2  
77 30.4 24.4 36.6





#37

Ethyl Acetate

Concen: 21.345 ug/l

RT: 7.076 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

VY1206SBS01

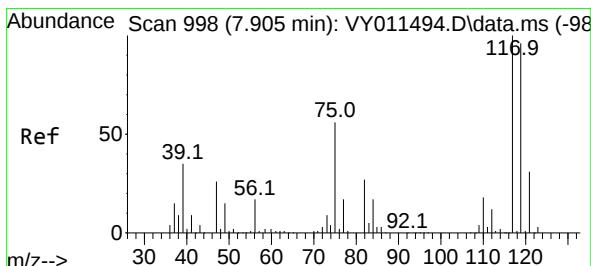
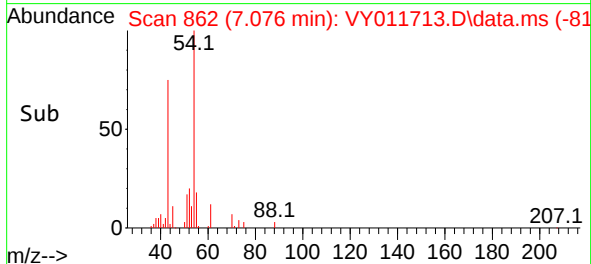
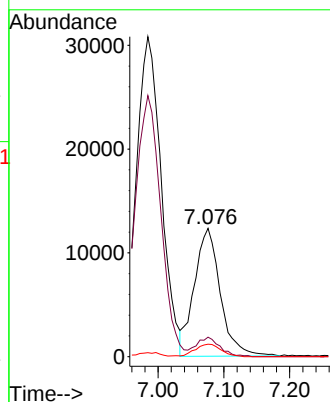
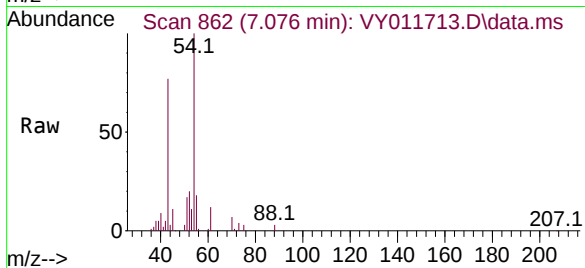
Tgt Ion: 43 Resp: 33860

Ion Ratio Lower Upper

43 100

61 13.7 9.7 14.5

70 9.9 7.1 10.7



#38

Carbon Tetrachloride

Concen: 21.209 ug/l

RT: 7.899 min Scan# 997

Delta R.T. -0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

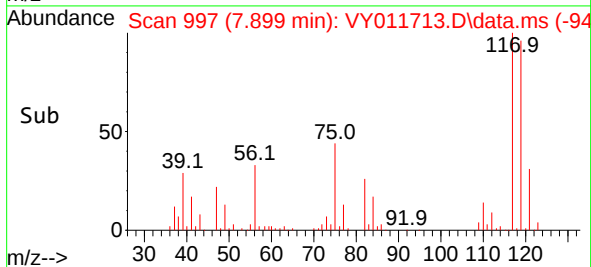
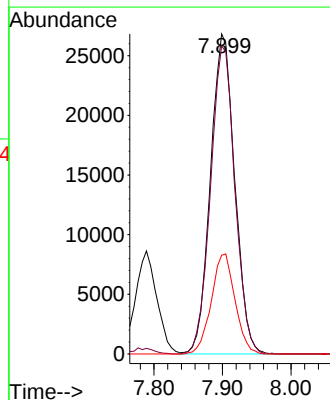
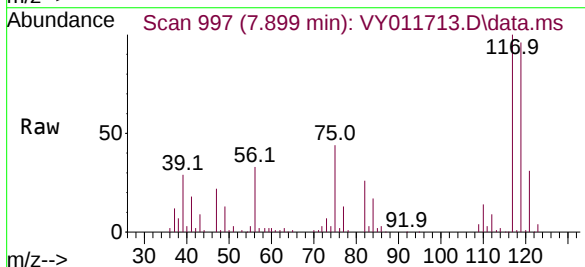
Tgt Ion: 117 Resp: 66105

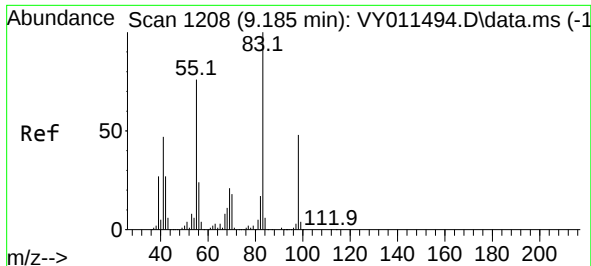
Ion Ratio Lower Upper

117 100

119 96.2 77.9 116.9

121 30.8 24.8 37.2





#39

Methylcyclohexane

Concen: 20.094 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

VY1206SBS01

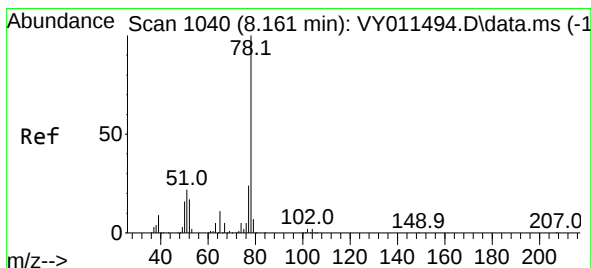
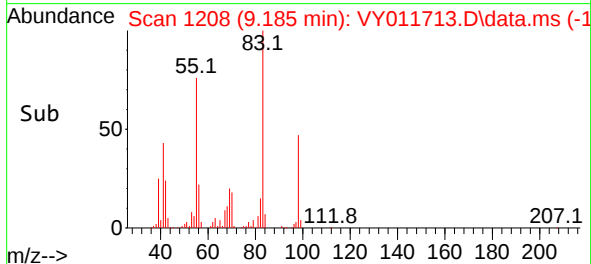
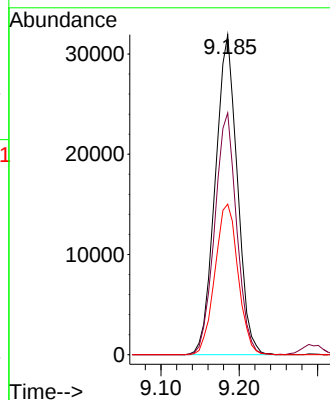
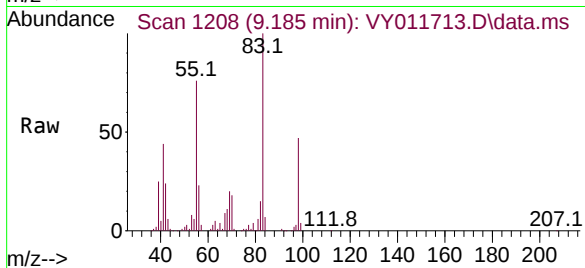
Tgt Ion: 83 Resp: 62472

Ion Ratio Lower Upper

83 100

55 75.6 66.5 99.7

98 47.1 37.9 56.9



#40

Benzene

Concen: 21.103 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY011713.D

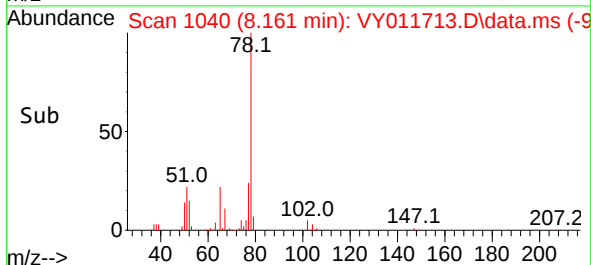
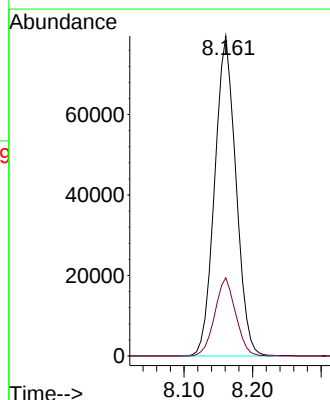
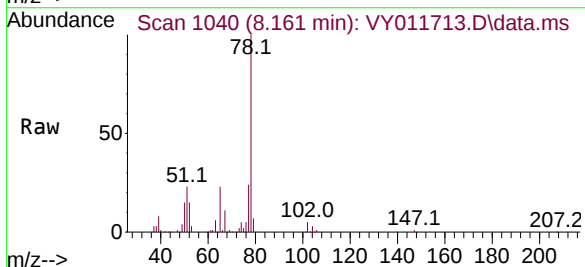
Acq: 06 Dec 2022 12:45

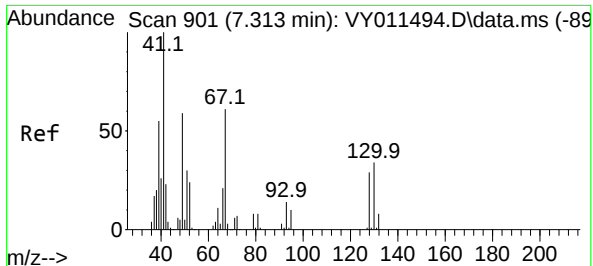
Tgt Ion: 78 Resp: 171252

Ion Ratio Lower Upper

78 100

77 24.5 20.4 30.6

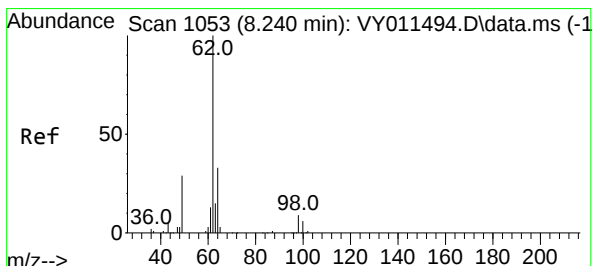
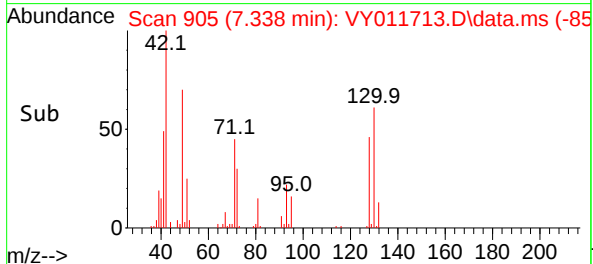
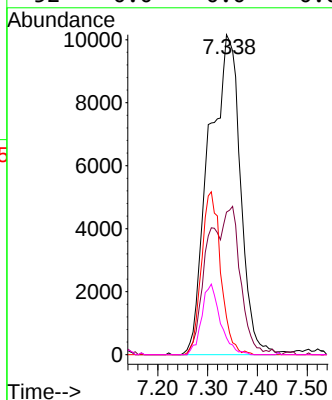
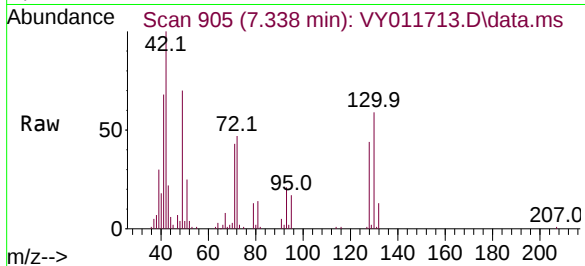




#41  
Methacrylonitrile  
Concen: 55.223 ug/l  
RT: 7.338 min Scan# 901  
Delta R.T. 0.025 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

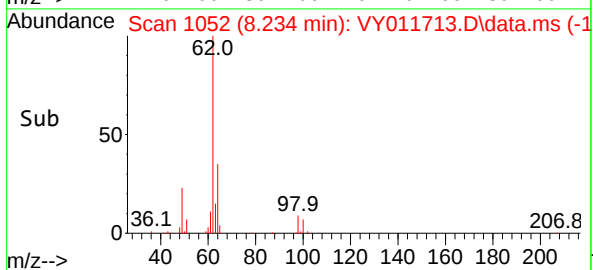
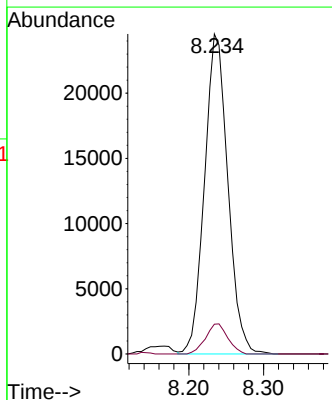
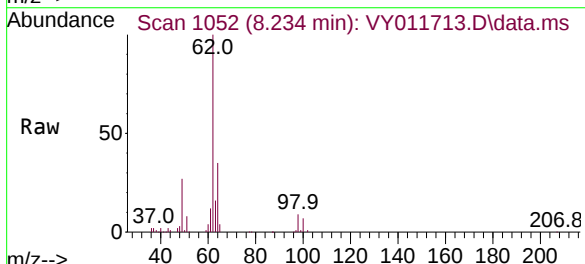
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

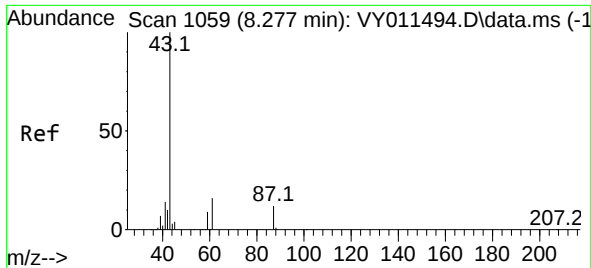
Tgt Ion: 41 Resp: 44293  
Ion Ratio Lower Upper  
41 100  
39 0.0 92.9 139.3#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 21.237 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 62 Resp: 53299  
Ion Ratio Lower Upper  
62 100  
98 8.9 0.0 14.8

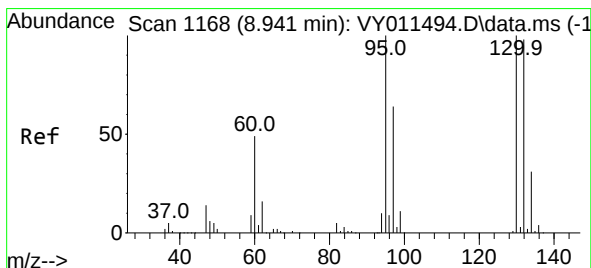
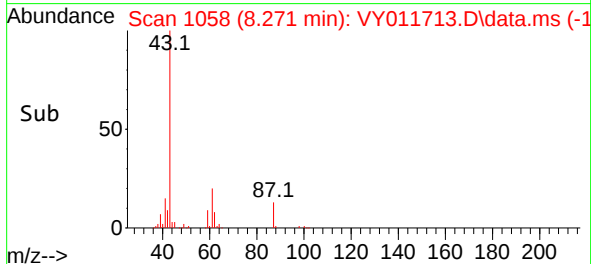
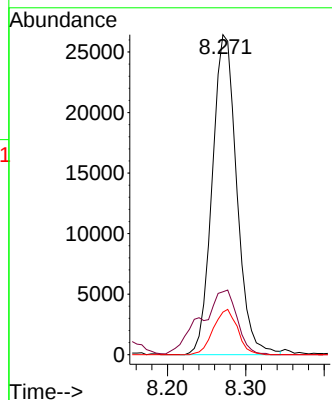
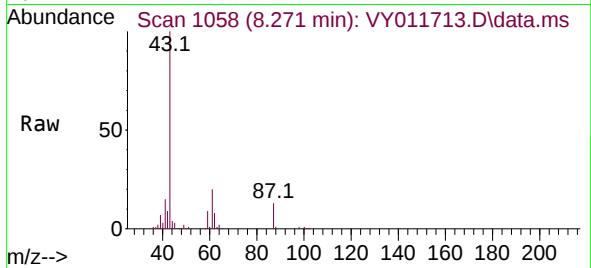




#43  
Isopropyl Acetate  
Concen: 20.109 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

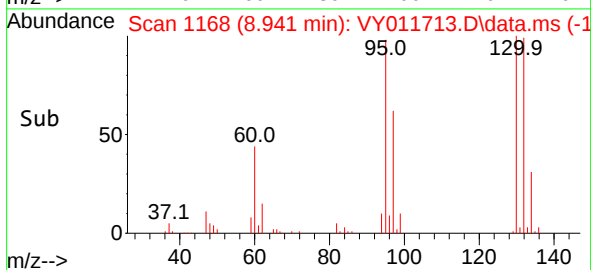
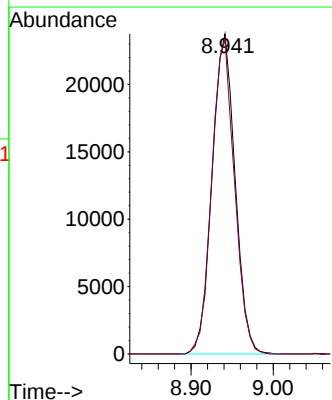
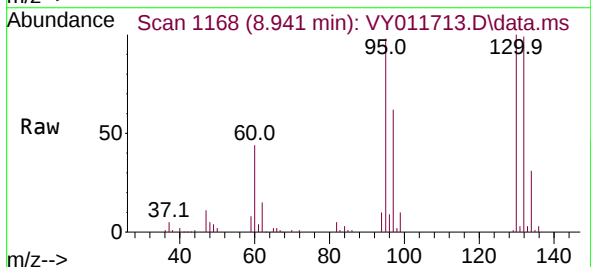
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

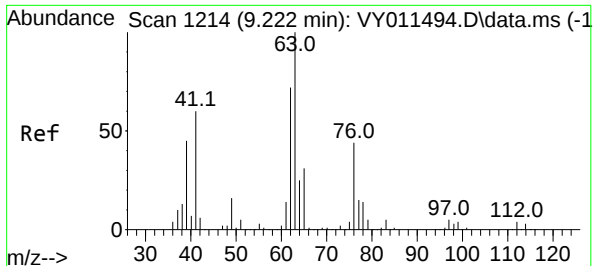
Tgt Ion: 43 Resp: 57548  
Ion Ratio Lower Upper  
43 100  
61 30.0 20.2 30.2  
87 13.9 8.9 13.3#



#44  
Trichloroethene  
Concen: 21.083 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion:130 Resp: 46034  
Ion Ratio Lower Upper  
130 100  
95 98.3 0.0 188.2





#45

1,2-Dichloropropane

Concen: 20.813 ug/l

RT: 9.216 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

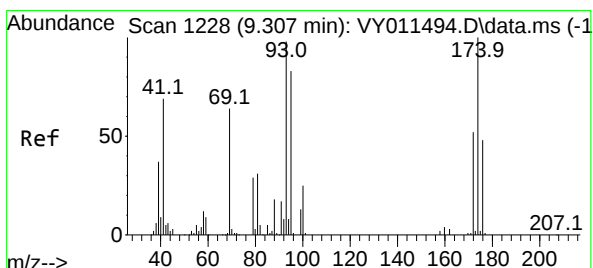
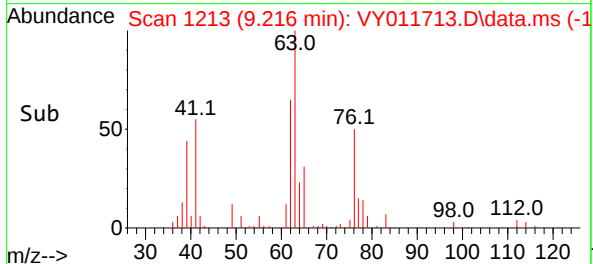
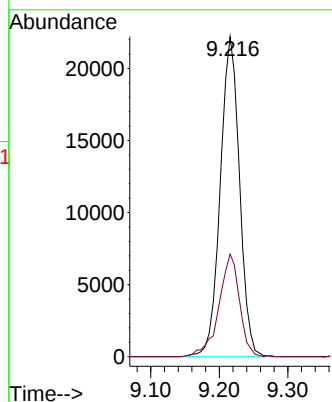
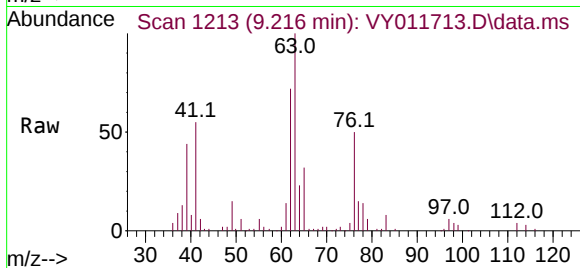
VY1206SBSD01

Tgt Ion: 63 Resp: 43172

Ion Ratio Lower Upper

63 100

65 32.0 23.0 34.6



#46

Dibromomethane

Concen: 20.395 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

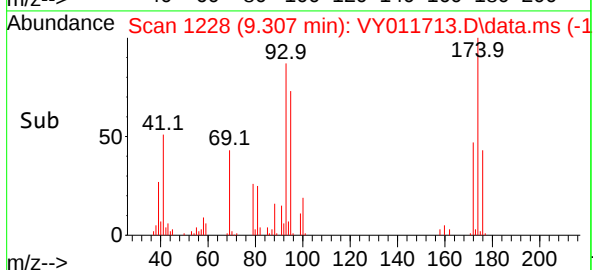
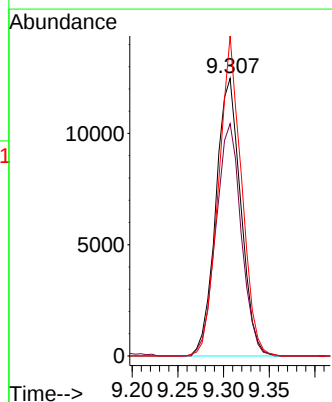
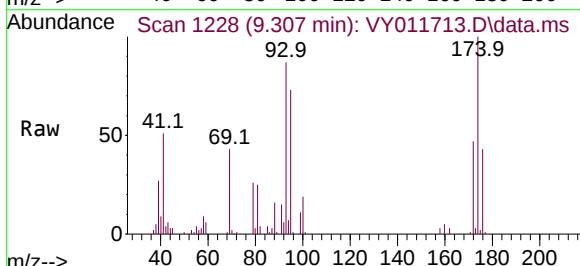
Tgt Ion: 93 Resp: 23654

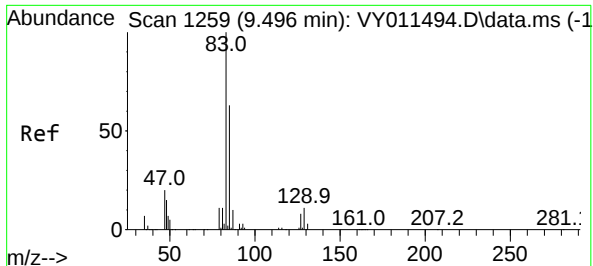
Ion Ratio Lower Upper

93 100

95 84.7 64.3 96.5

174 106.3 83.4 125.0

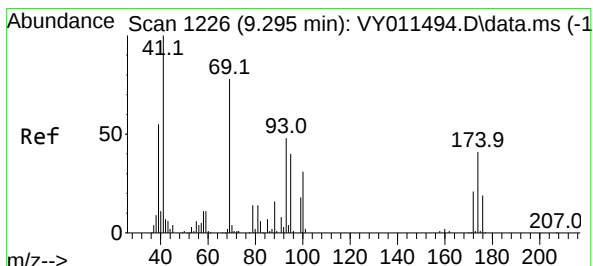
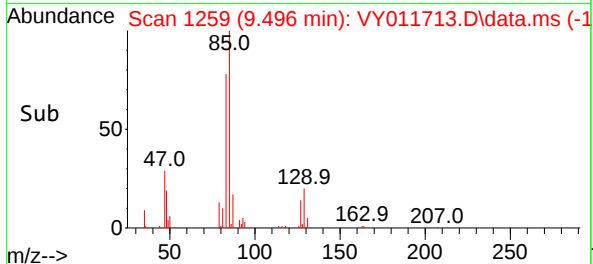
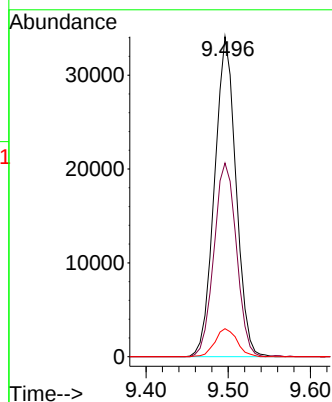
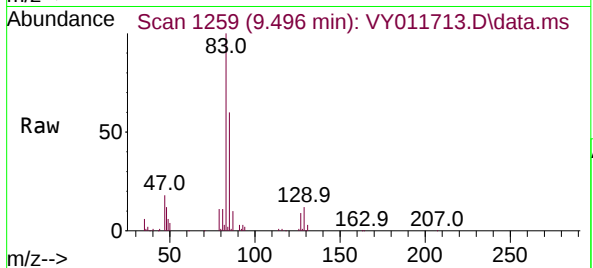




#47  
Bromodichloromethane  
Concen: 21.159 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

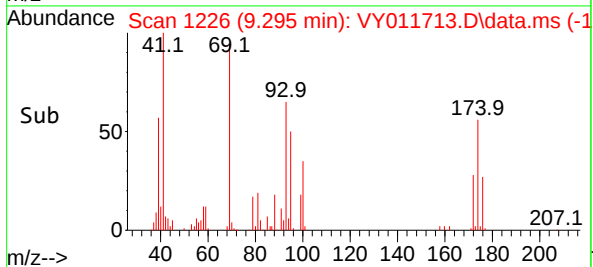
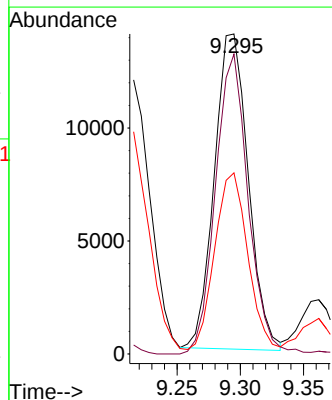
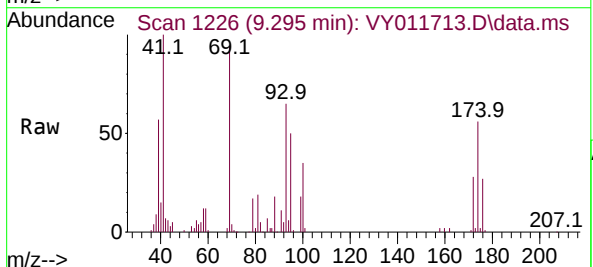
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

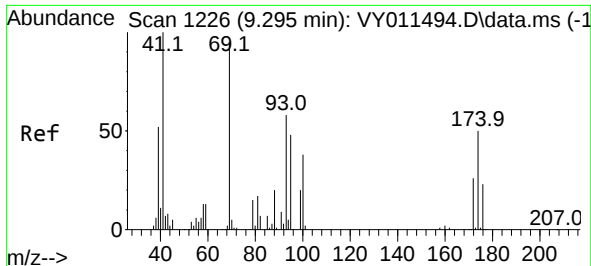
Tgt Ion: 83 Resp: 61814  
Ion Ratio Lower Upper  
83 100  
85 60.5 51.9 77.9  
127 8.7 6.6 10.0



#48  
Methyl methacrylate  
Concen: 20.482 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. -0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 41 Resp: 26035  
Ion Ratio Lower Upper  
41 100  
69 91.7 58.2 87.2#  
39 57.5 47.4 71.0





#49

1,4-Dioxane

Concen: 444.680 ug/l

RT: 9.301 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

VY1206SBS01

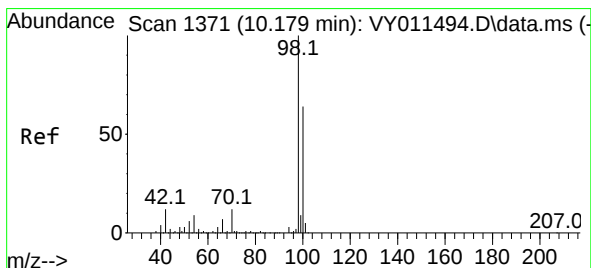
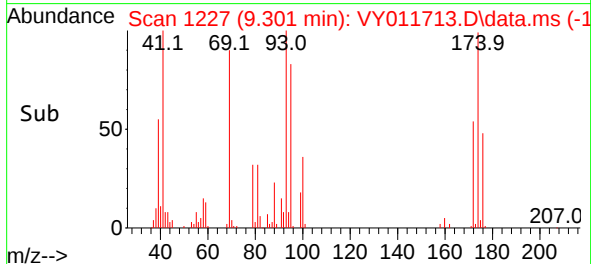
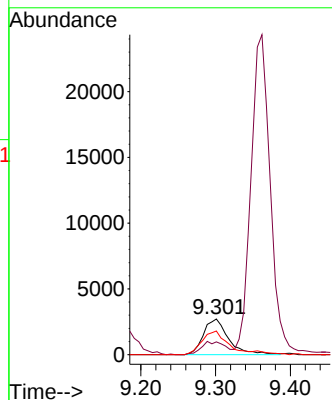
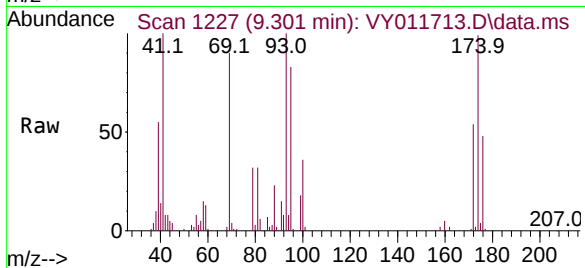
Tgt Ion: 88 Resp: 6387

Ion Ratio Lower Upper

88 100

43 36.1 32.8 49.2

58 73.2 59.8 89.6



#50

Toluene-d8

Concen: 50.110 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011713.D

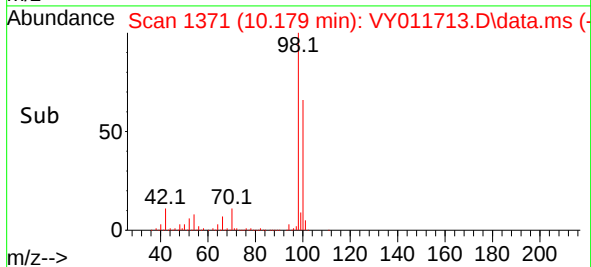
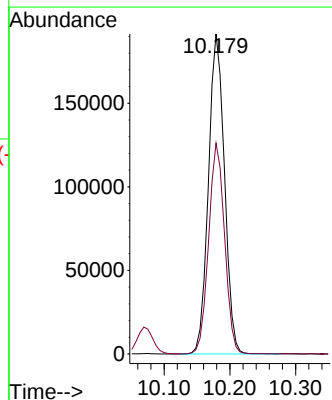
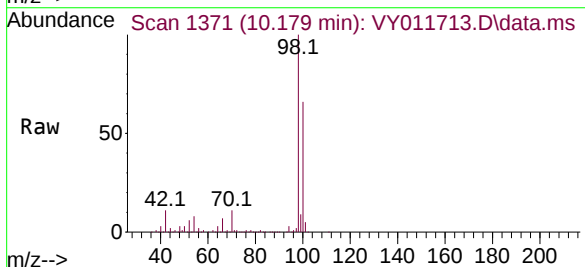
Acq: 06 Dec 2022 12:45

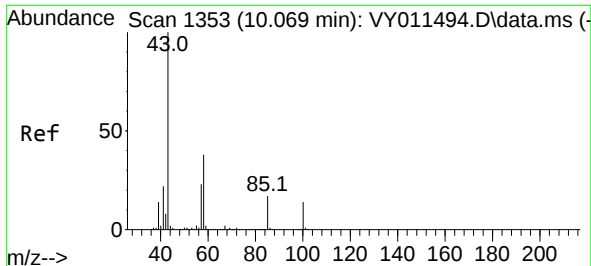
Tgt Ion: 98 Resp: 324533

Ion Ratio Lower Upper

98 100

100 65.5 50.2 75.2

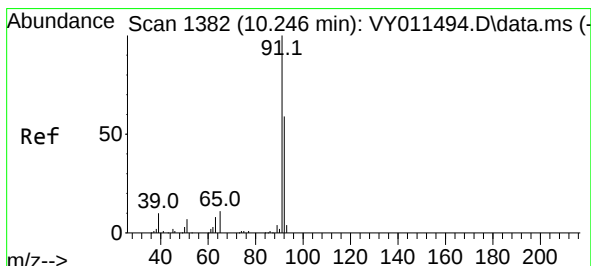
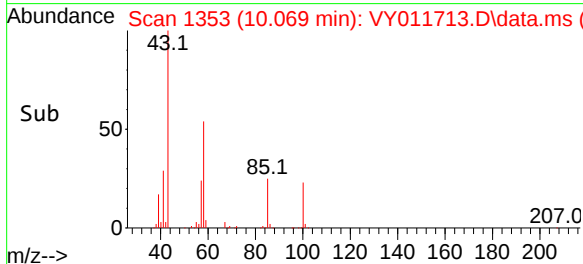
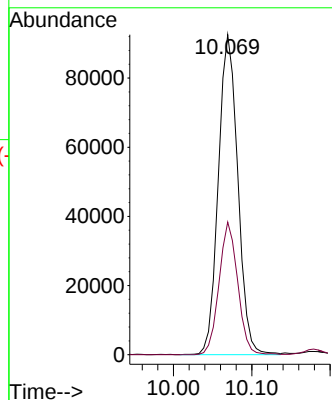
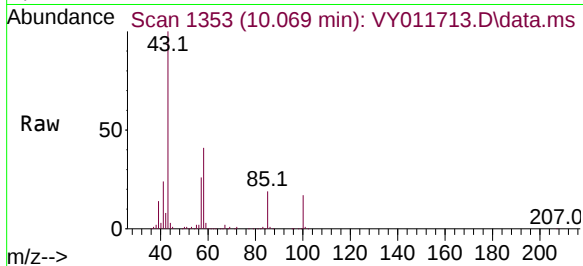




#51  
4-Methyl-2-Pentanone  
Concen: 100.744 ug/l  
RT: 10.069 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

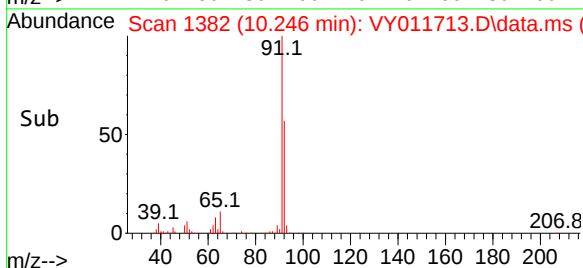
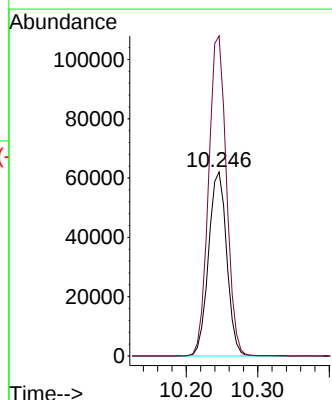
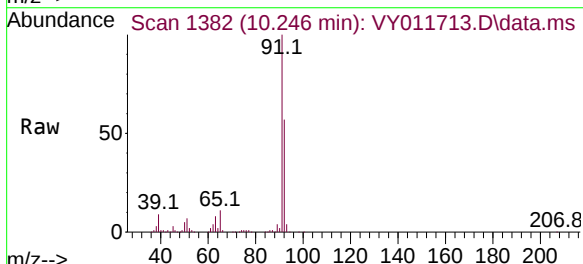
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

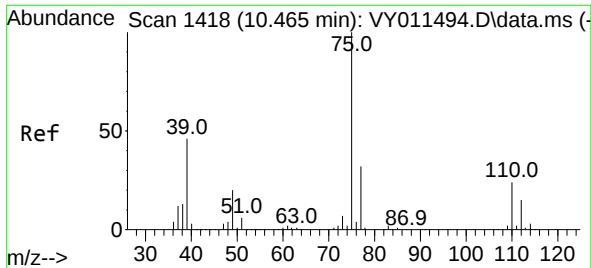
Tgt Ion: 43 Resp: 160269  
Ion Ratio Lower Upper  
43 100  
58 39.7 28.1 42.1



#52  
Toluene  
Concen: 21.304 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 92 Resp: 109327  
Ion Ratio Lower Upper  
92 100  
91 171.2 142.6 213.8

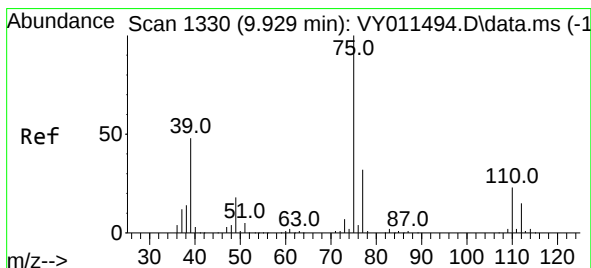
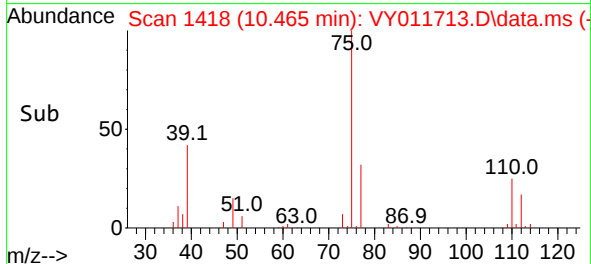
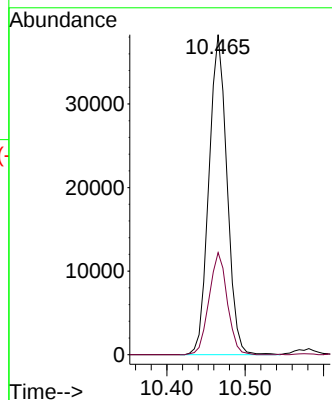
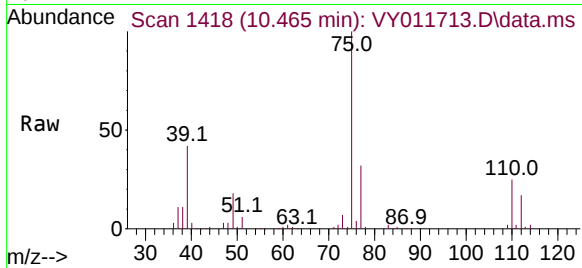




#53  
t-1,3-Dichloropropene  
Concen: 20.993 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

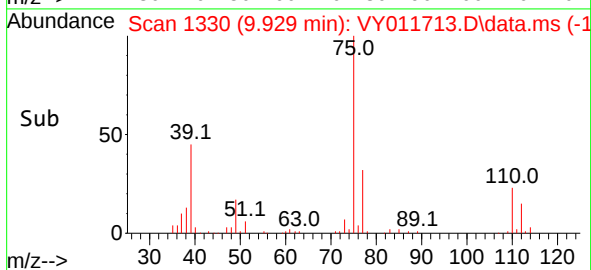
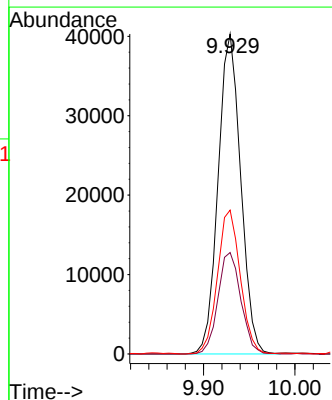
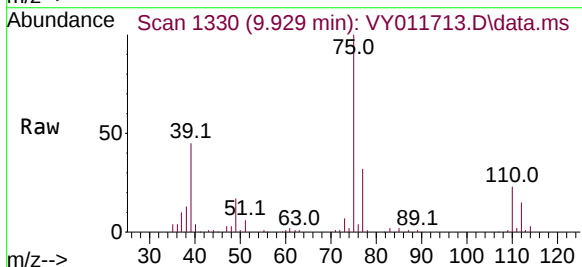
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

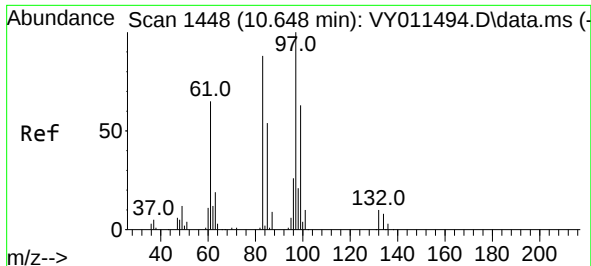
Tgt Ion: 75 Resp: 61304  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 21.089 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 75 Resp: 69281  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.6 38.4  
39 44.9 47.6 71.4#

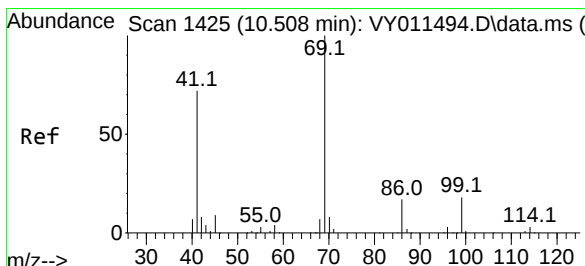
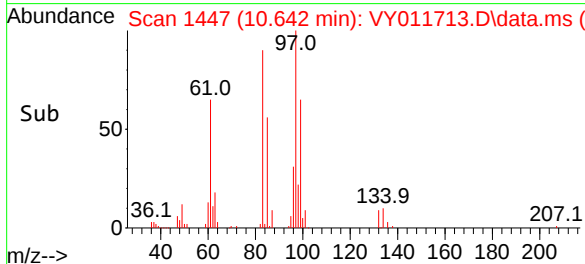
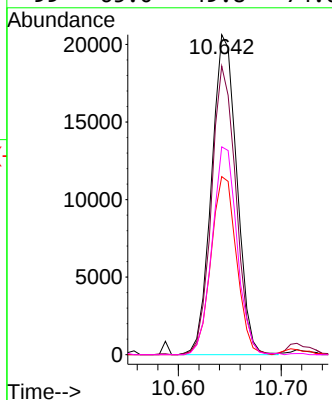
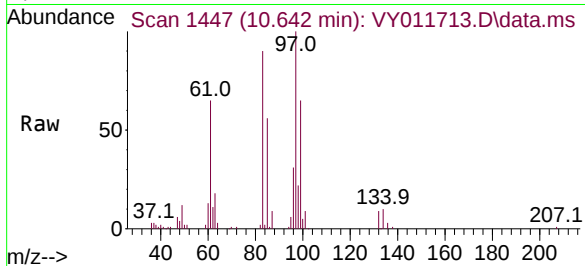




#55  
1,1,2-Trichloroethane  
Concen: 21.242 ug/l  
RT: 10.642 min Scan# 1448  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

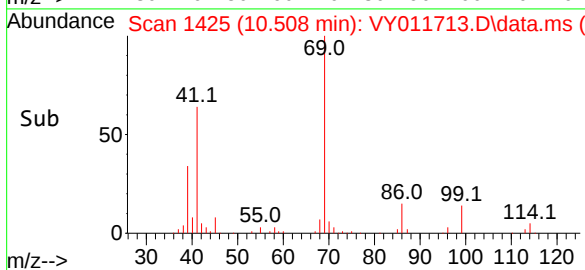
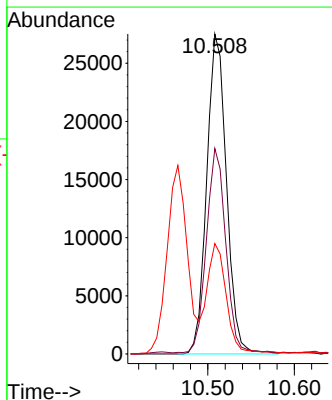
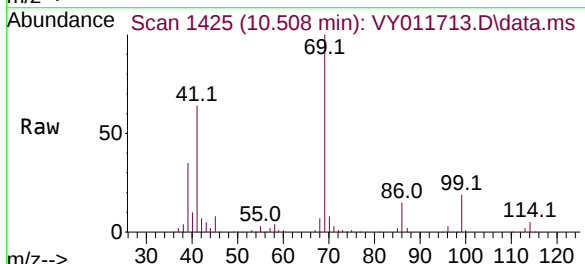
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

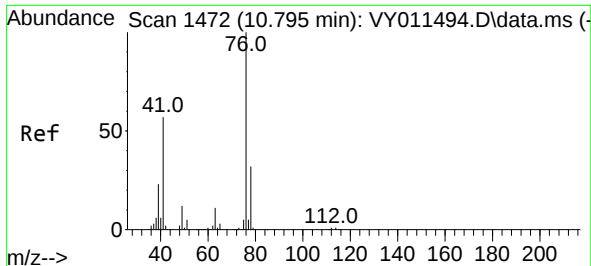
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 35246 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 90.2     | 69.8 104.8  |
| 85 55.6     | 44.3 66.5   |
| 99 65.0     | 49.8 74.6   |



#56  
Ethyl methacrylate  
Concen: 21.136 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 43617 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 63.3     | 63.4 95.0#  |
| 39 33.0     | 35.8 53.8#  |





#57

1,3-Dichloropropane

Concen: 21.559 ug/l

RT: 10.789 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

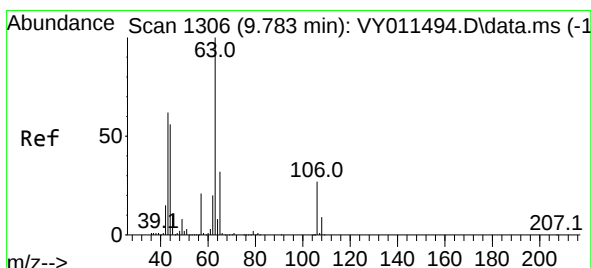
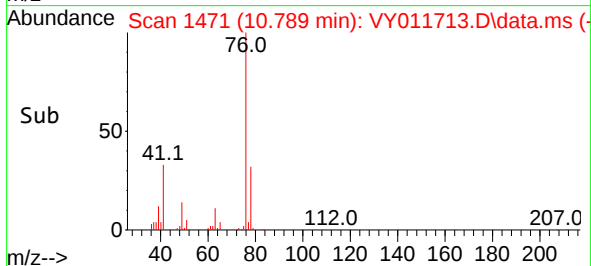
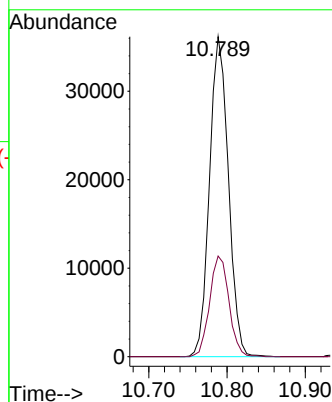
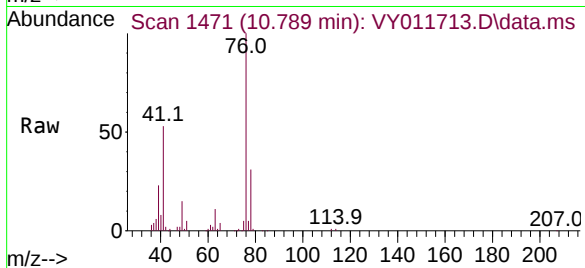
VY1206SBS01

Tgt Ion: 76 Resp: 60583

Ion Ratio Lower Upper

76 100

78 32.1 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 107.391 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VY011713.D

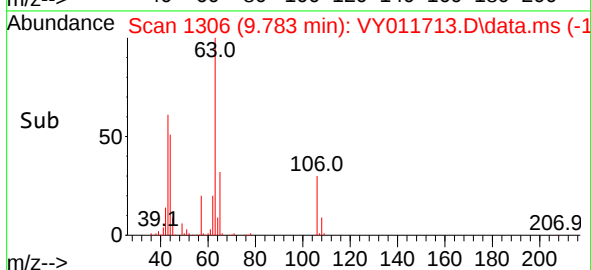
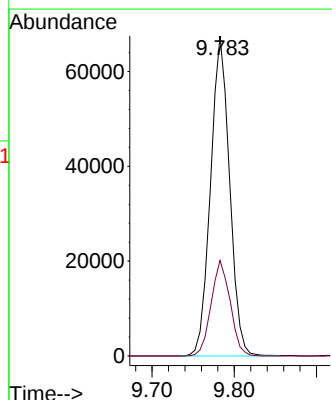
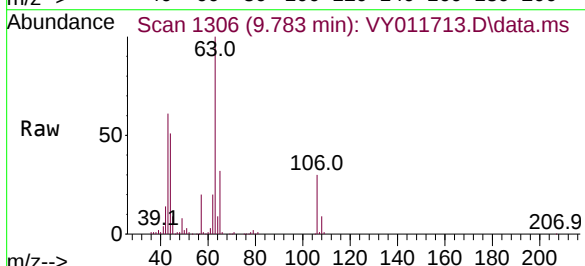
Acq: 06 Dec 2022 12:45

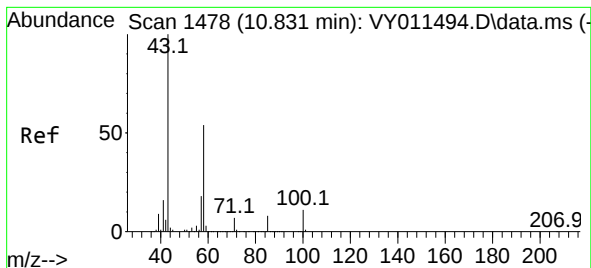
Tgt Ion: 63 Resp: 108539

Ion Ratio Lower Upper

63 100

106 29.8 21.5 32.3

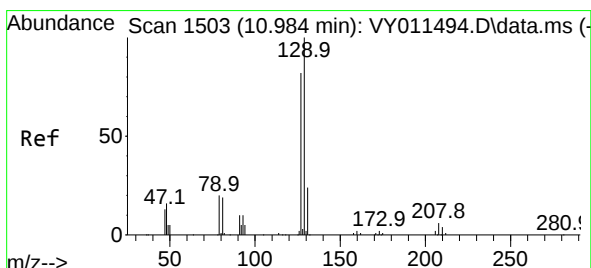
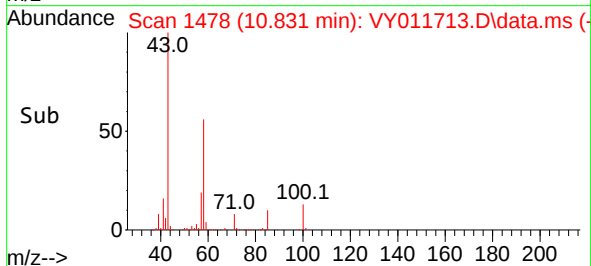
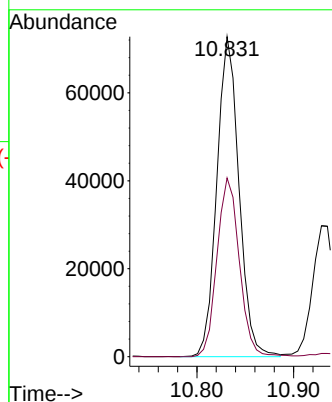
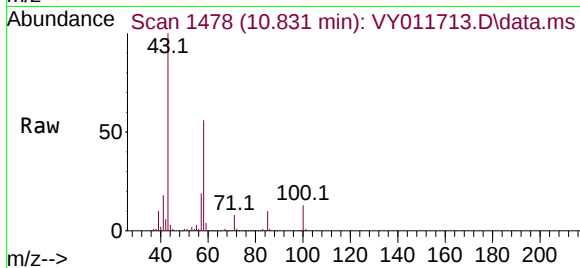




#59  
2-Hexanone  
Concen: 101.922 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

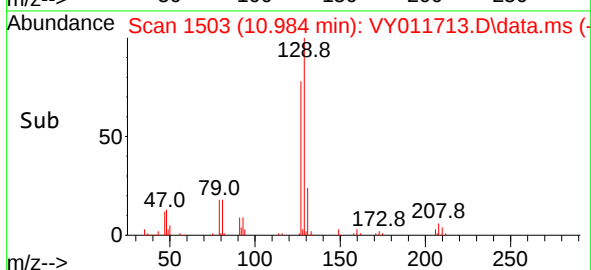
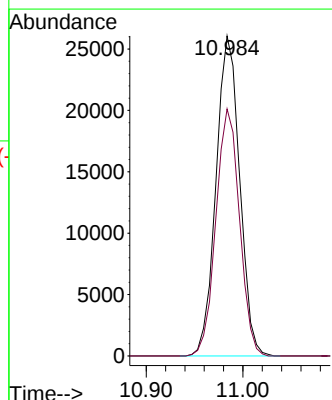
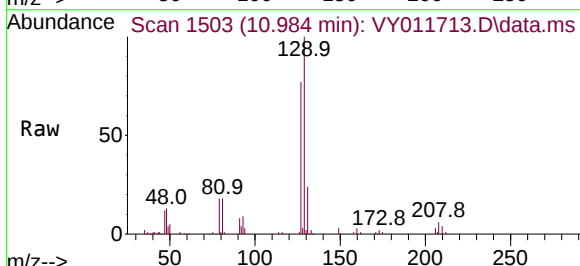
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

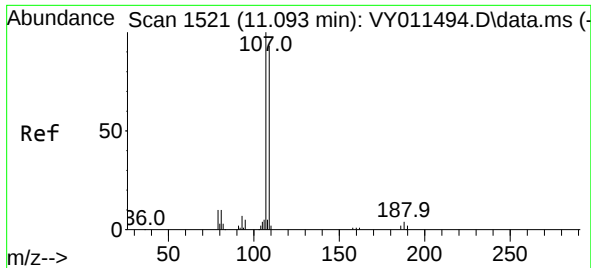
Tgt Ion: 43 Resp: 115725  
Ion Ratio Lower Upper  
43 100  
58 56.3 24.4 73.4



#60  
Dibromochloromethane  
Concen: 21.754 ug/l  
RT: 10.984 min Scan# 1503  
Delta R.T. -0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 129 Resp: 44237  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.7 116.1

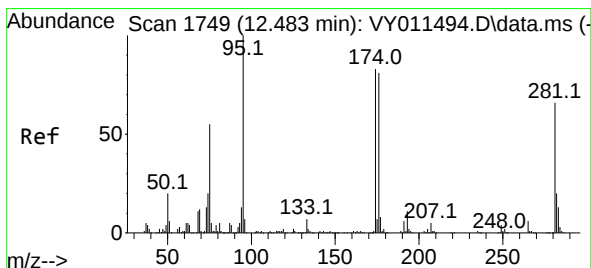
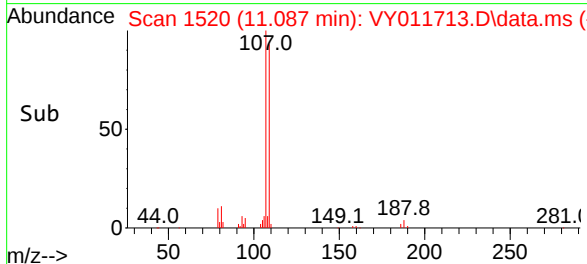
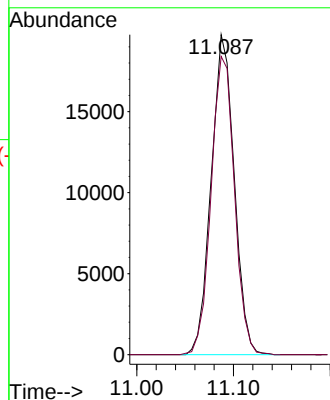
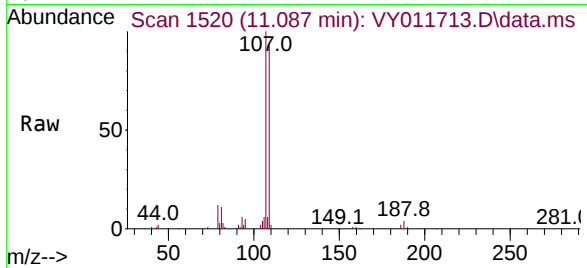




#61  
1,2-Dibromoethane  
Concen: 21.557 ug/l  
RT: 11.087 min Scan# 1521  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

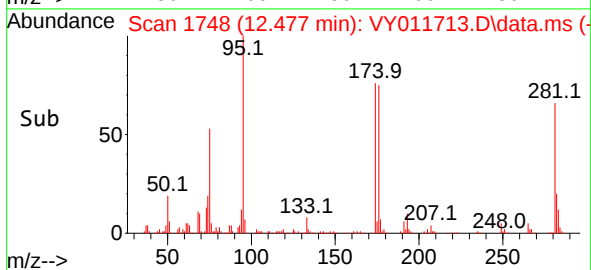
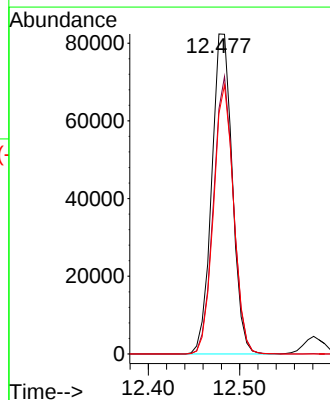
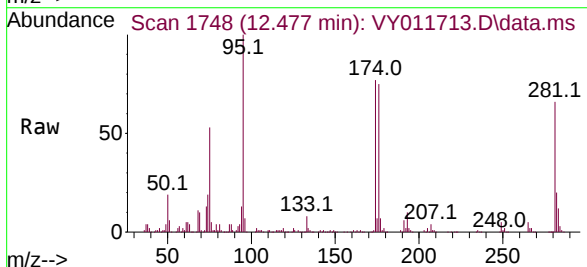
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

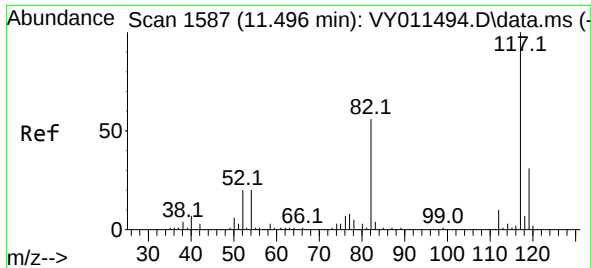
Tgt Ion:107 Resp: 32650  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 53.804 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 95 Resp: 128835  
Ion Ratio Lower Upper  
95 100  
174 84.2 0.0 177.0  
176 82.1 0.0 175.8

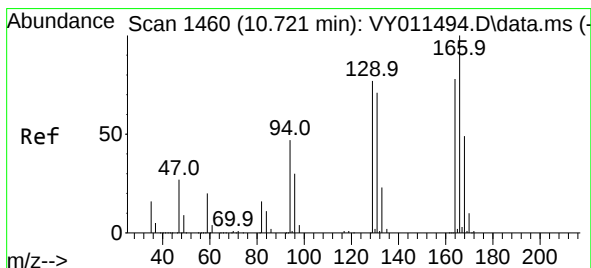
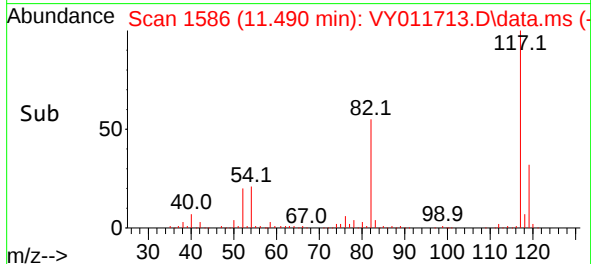
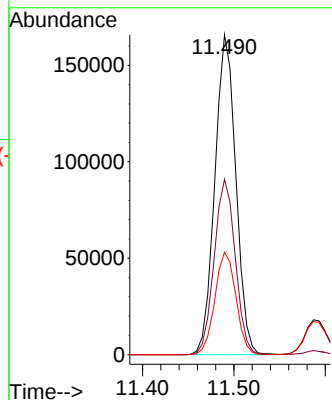
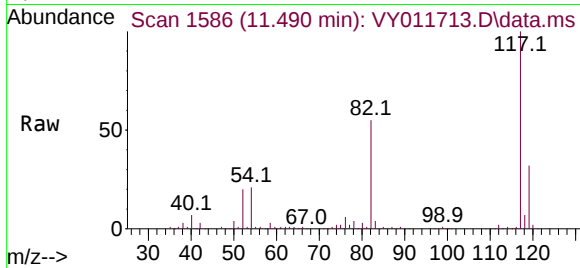




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

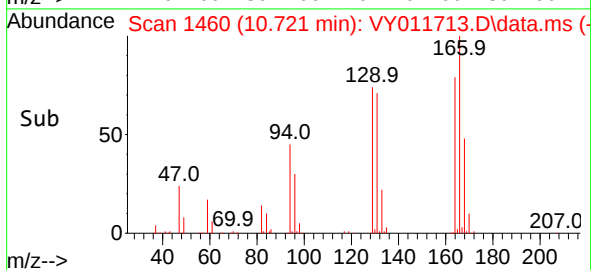
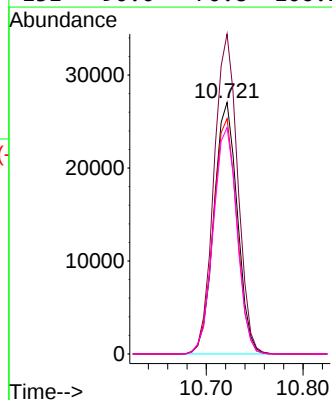
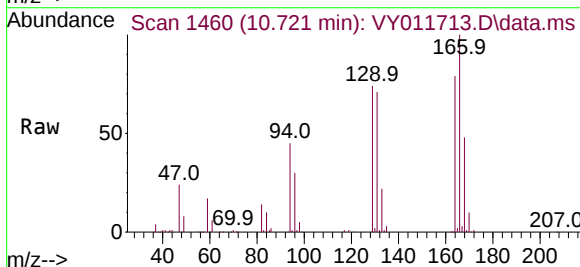
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

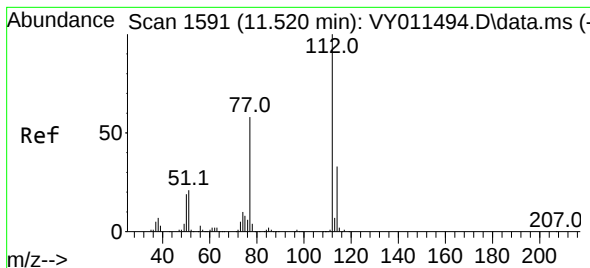
Tgt Ion:117 Resp: 265533  
Ion Ratio Lower Upper  
117 100  
82 54.9 43.0 64.4  
119 32.1 25.4 38.0



#64  
Tetrachloroethene  
Concen: 20.816 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion:164 Resp: 45549  
Ion Ratio Lower Upper  
164 100  
166 127.2 100.4 150.6  
129 93.6 71.4 107.0  
131 90.0 70.8 106.2

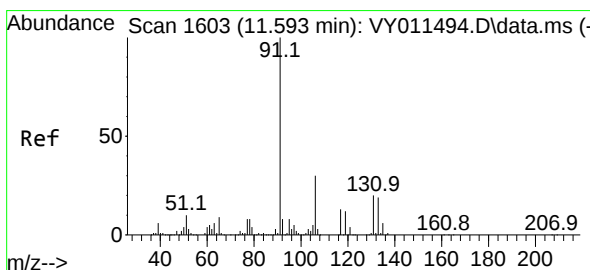
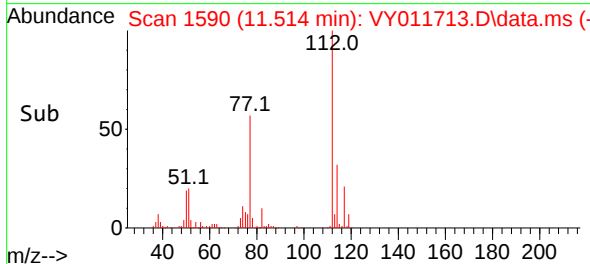
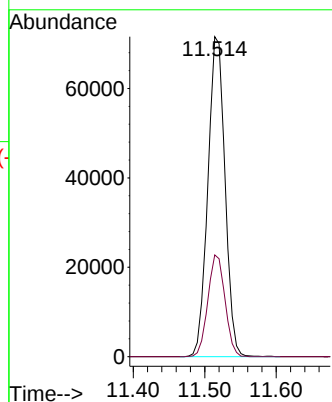
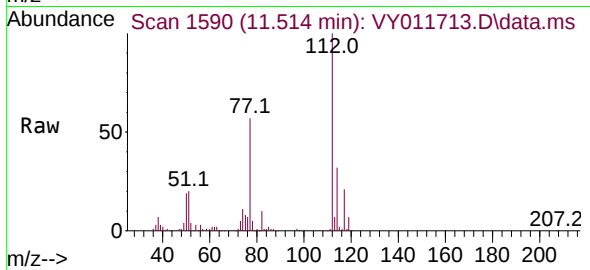




#65  
Chlorobenzene  
Concen: 21.424 ug/l  
RT: 11.514 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

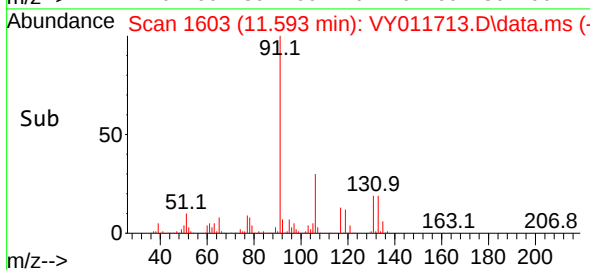
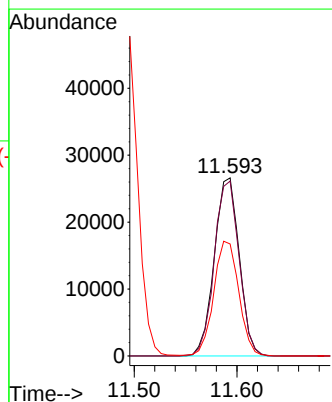
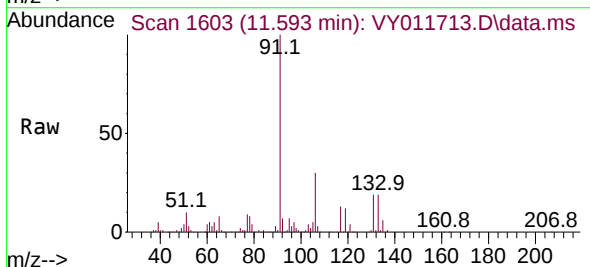
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

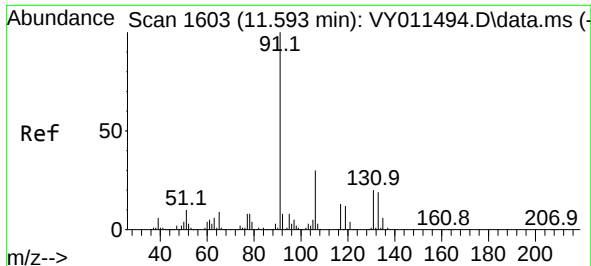
Tgt Ion:112 Resp: 119122  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.292 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion:131 Resp: 44872  
Ion Ratio Lower Upper  
131 100  
133 97.5 47.9 143.6  
119 64.7 30.8 92.3





#67

Ethyl Benzene

Concen: 20.720 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

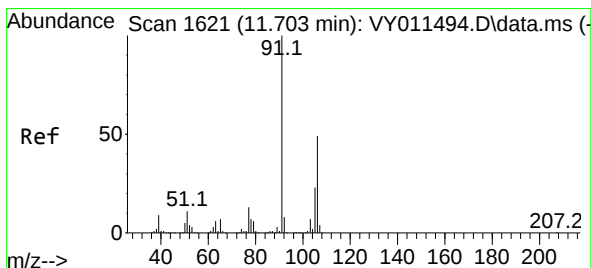
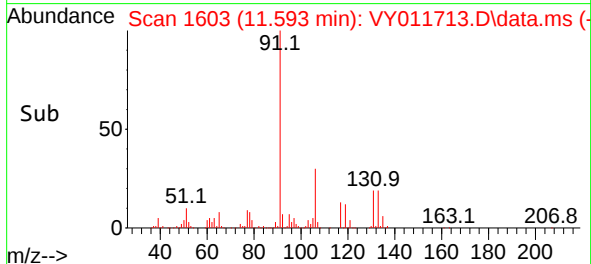
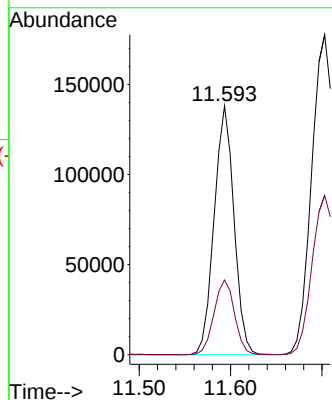
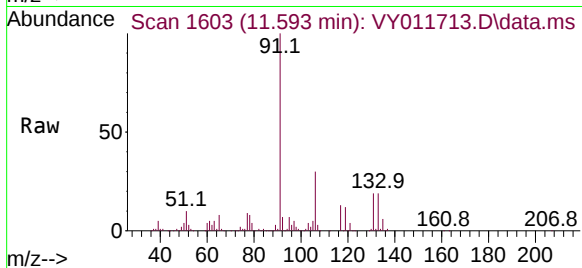
VY1206SBS01

Tgt Ion: 91 Resp: 208027

Ion Ratio Lower Upper

91 100

106 30.0 24.5 36.7



#68

m/p-Xylenes

Concen: 42.189 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY011713.D

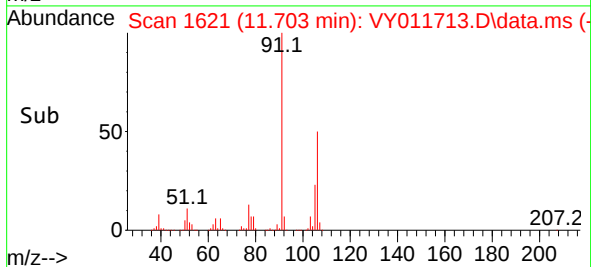
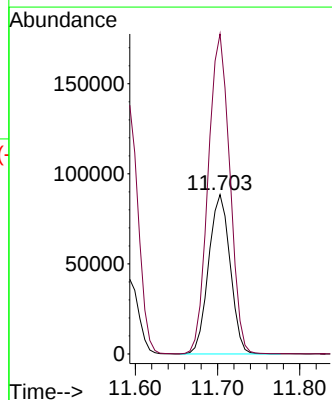
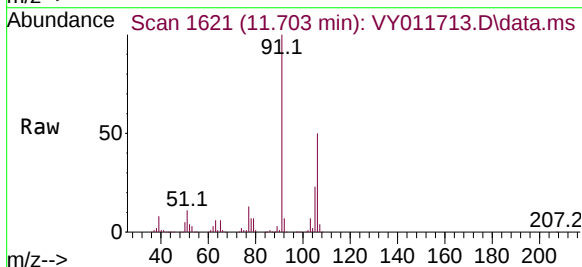
Acq: 06 Dec 2022 12:45

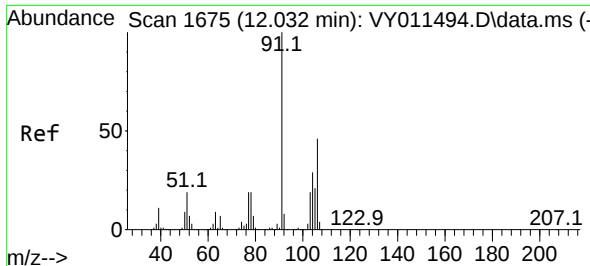
Tgt Ion:106 Resp: 161236

Ion Ratio Lower Upper

106 100

91 200.9 166.6 249.8

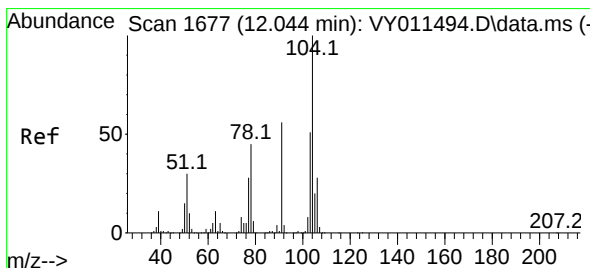
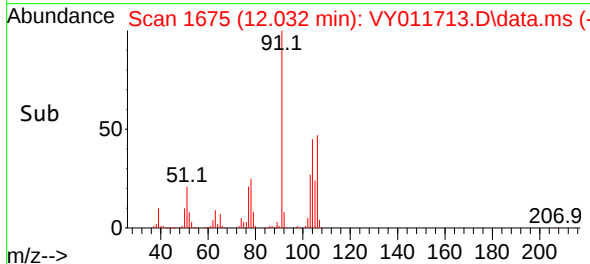
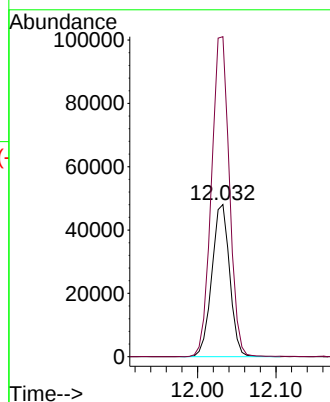
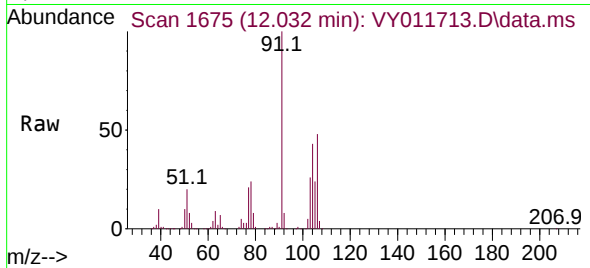




#69  
o-Xylene  
Concen: 21.306 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

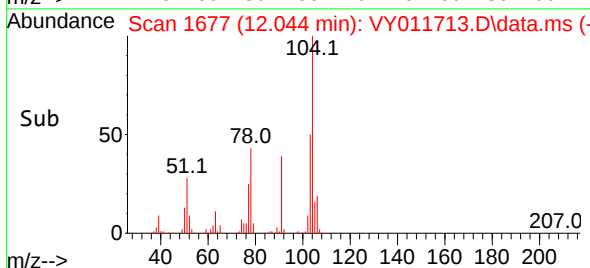
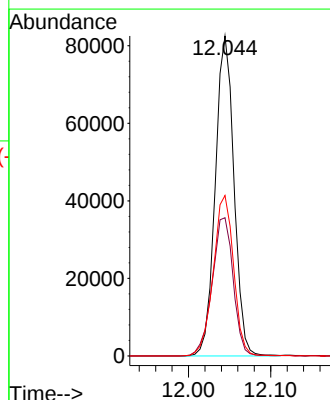
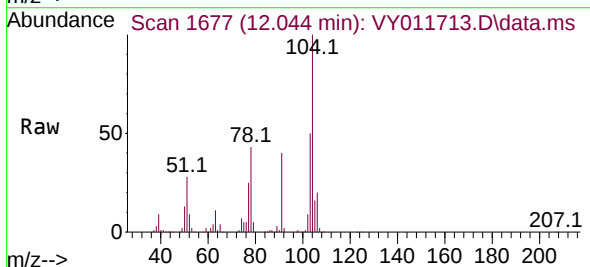
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

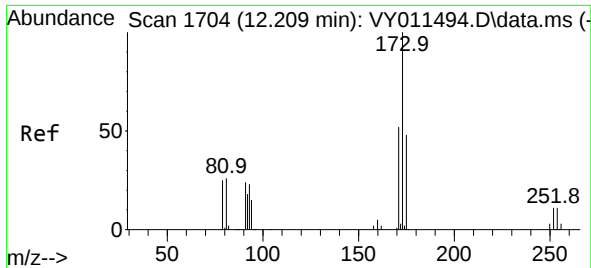
Tgt Ion:106 Resp: 75809  
Ion Ratio Lower Upper  
106 100  
91 212.2 110.3 331.0



#70  
Styrene  
Concen: 21.453 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion:104 Resp: 130300  
Ion Ratio Lower Upper  
104 100  
78 48.6 42.4 63.6  
103 54.7 44.4 66.6

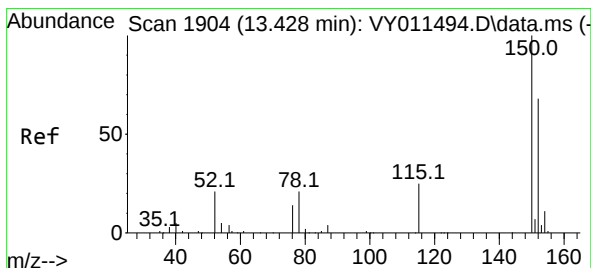
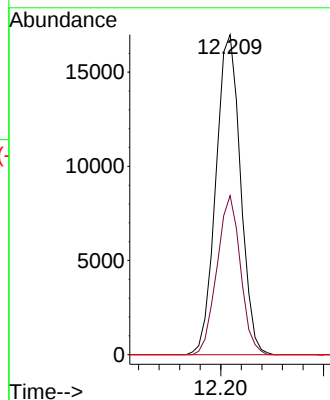
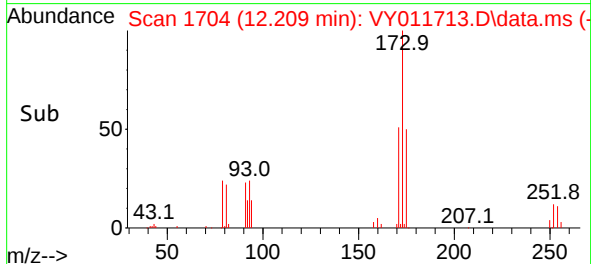
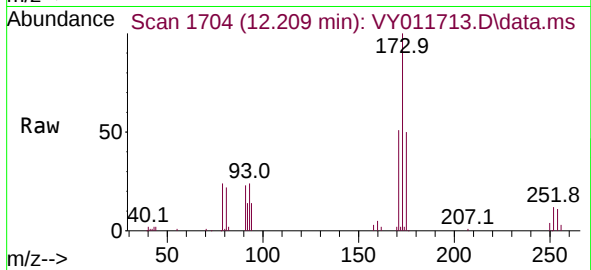




#71  
Bromoform  
Concen: 22.004 ug/l  
RT: 12.209 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

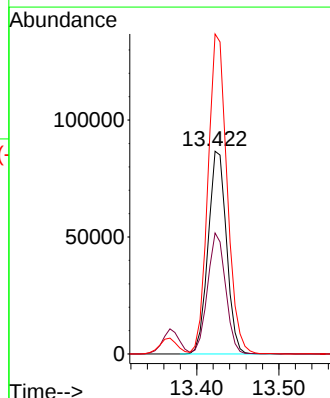
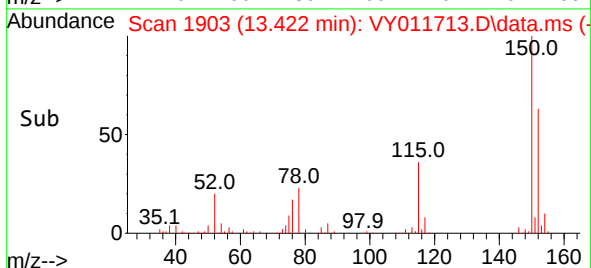
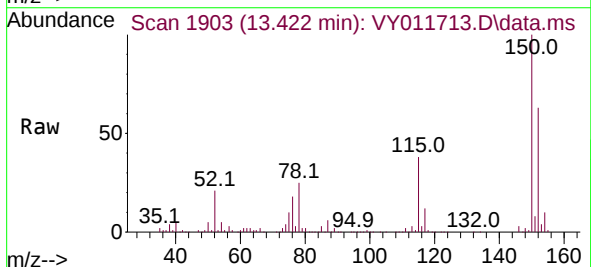
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

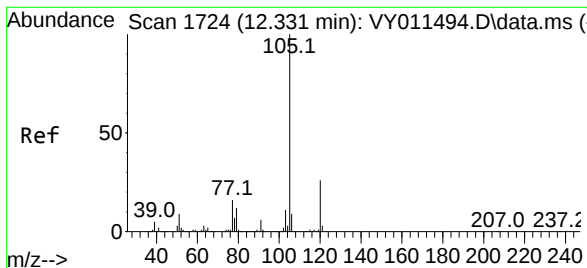
Tgt Ion:173 Resp: 28212  
Ion Ratio Lower Upper  
173 100  
175 47.5 24.6 74.0  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion:152 Resp: 134442  
Ion Ratio Lower Upper  
152 100  
115 58.4 28.2 84.7  
150 164.2 0.0 347.6





#73

Isopropylbenzene

Concen: 21.208 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

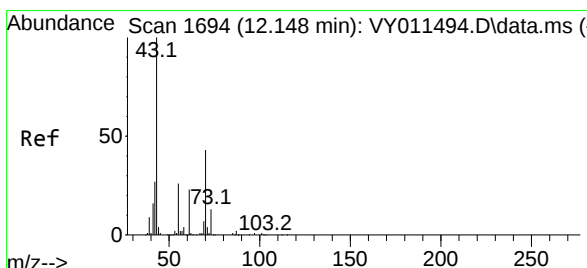
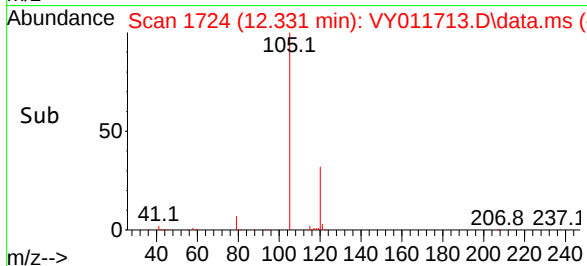
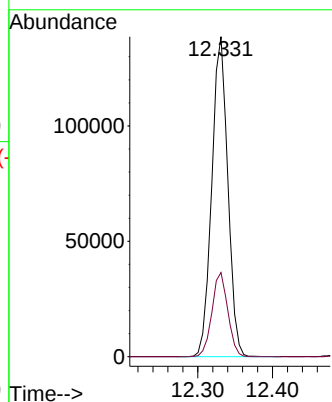
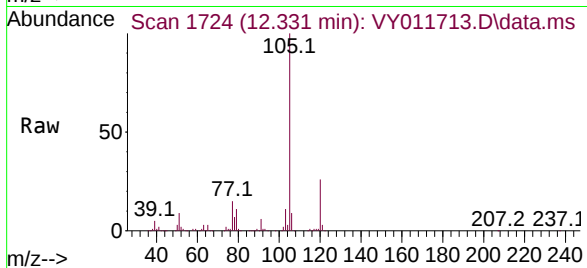
VY1206SBS01

Tgt Ion:105 Resp: 206210

Ion Ratio Lower Upper

105 100

120 26.0 13.4 40.2



#74

N-ethyl acetate

Concen: 19.421 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Tgt Ion: 43 Resp: 46631

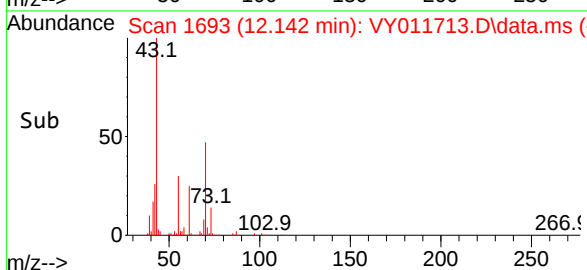
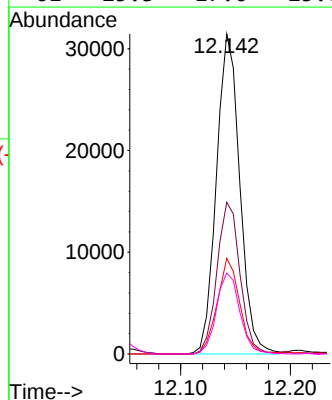
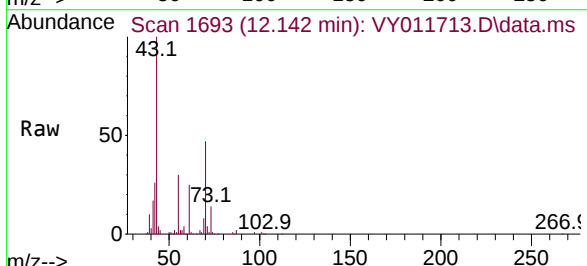
Ion Ratio Lower Upper

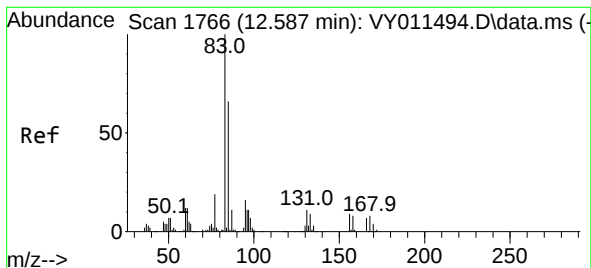
43 100

70 46.7 28.7 43.1#

55 28.8 17.3 25.9#

61 25.3 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.227 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

VY1206SBS01

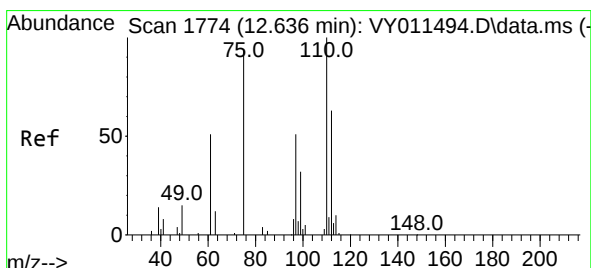
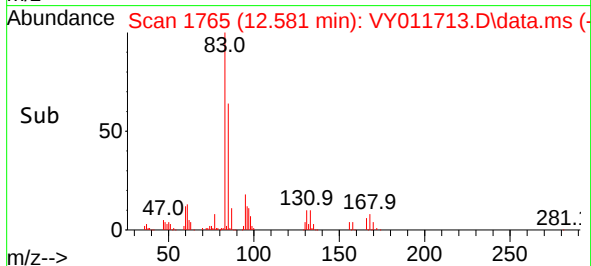
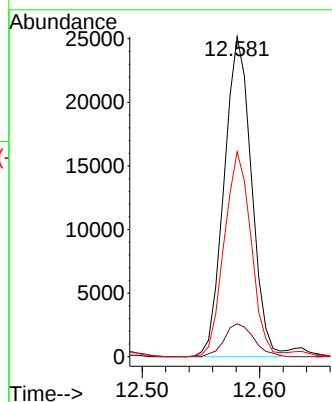
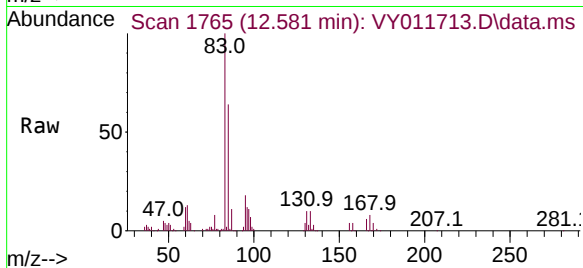
Tgt Ion: 83 Resp: 40671

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

85 63.1 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 38.457 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY011713.D

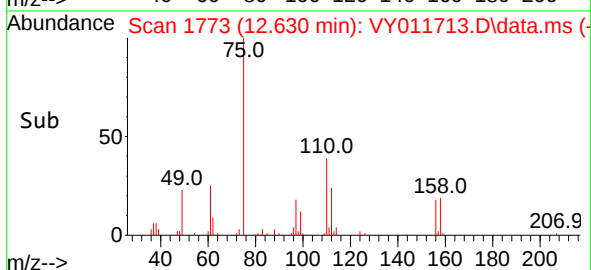
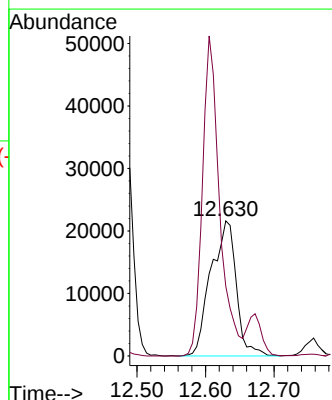
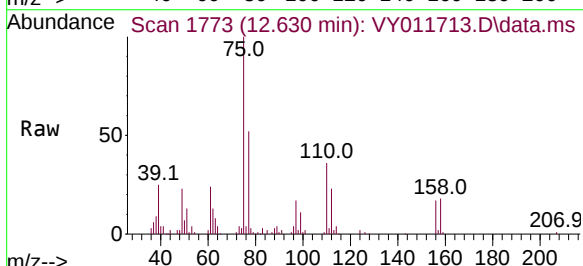
Acq: 06 Dec 2022 12:45

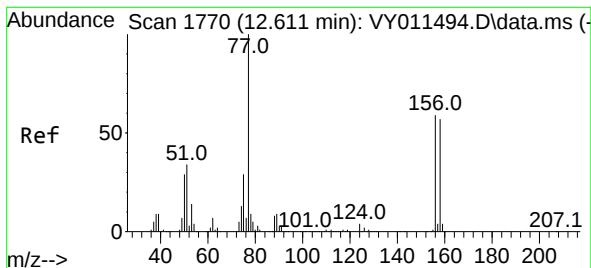
Tgt Ion: 75 Resp: 55680

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.057 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

VY1206SBS01

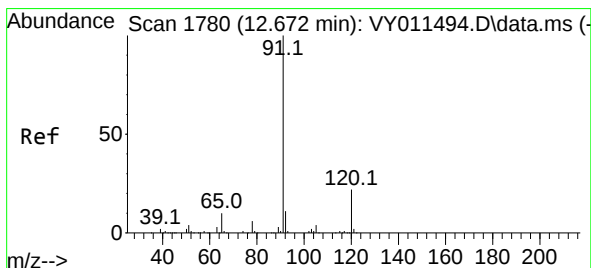
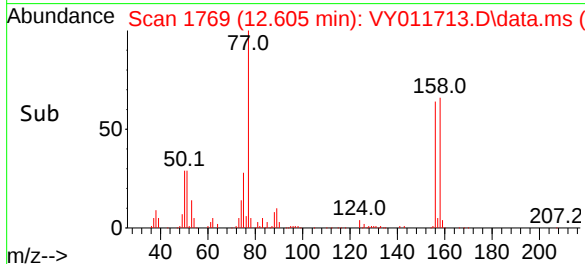
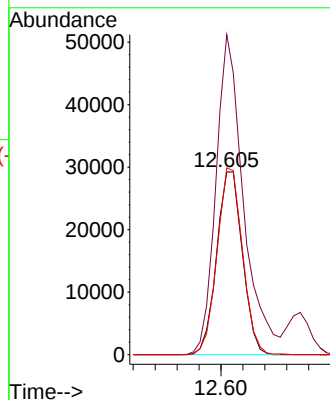
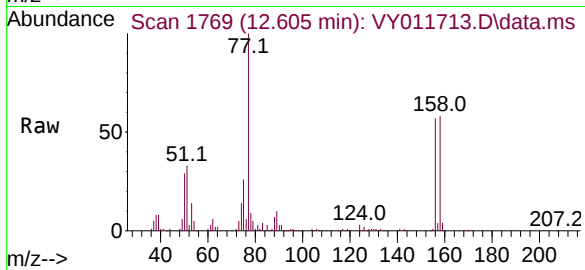
Tgt Ion:156 Resp: 47807

Ion Ratio Lower Upper

156 100

77 187.3 95.5 286.4

158 100.8 48.0 144.0



#78

n-propylbenzene

Concen: 21.080 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY011713.D

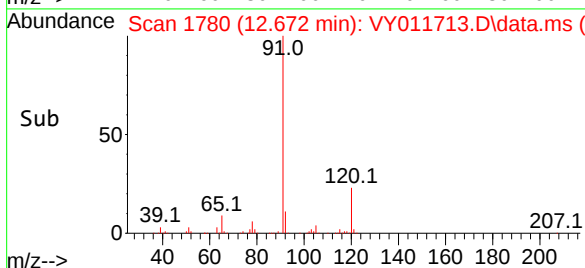
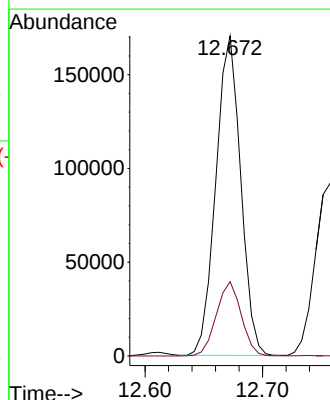
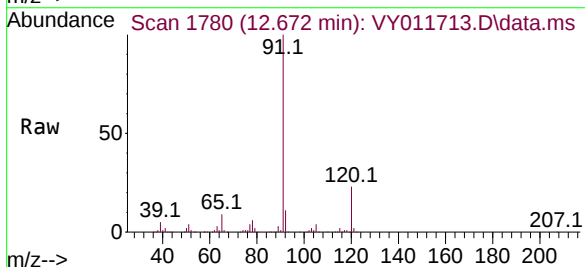
Acq: 06 Dec 2022 12:45

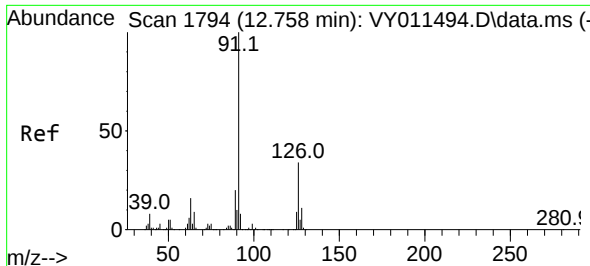
Tgt Ion: 91 Resp: 250052

Ion Ratio Lower Upper

91 100

120 23.3 11.3 33.9

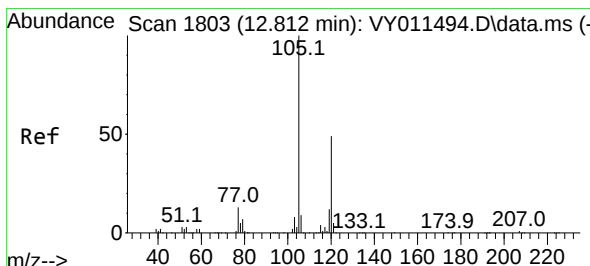
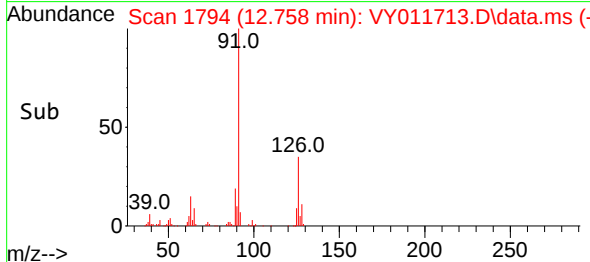
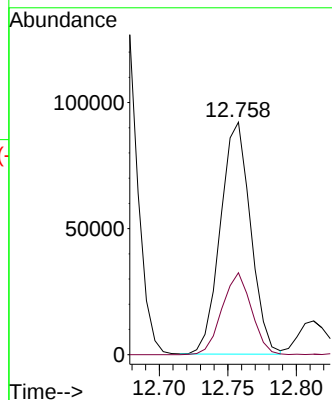
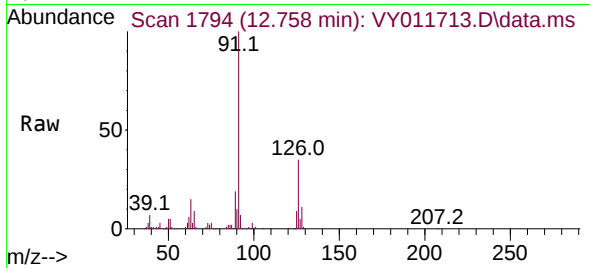




#79  
2-Chlorotoluene  
Concen: 21.116 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

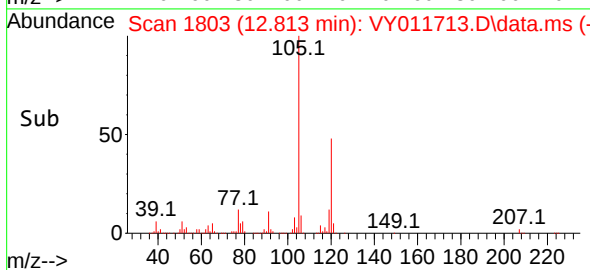
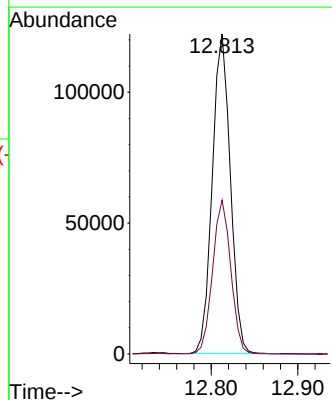
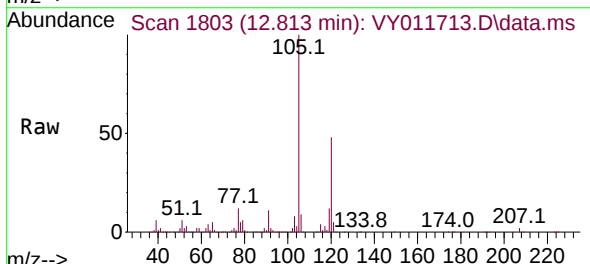
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

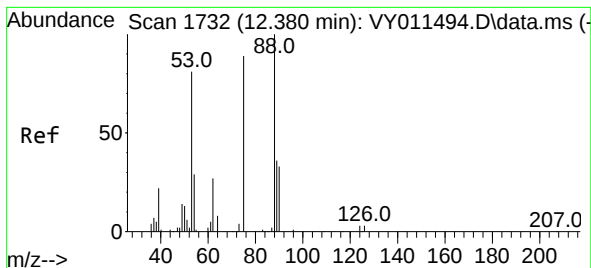
Tgt Ion: 91 Resp: 141177  
Ion Ratio Lower Upper  
91 100  
126 34.3 16.9 50.6



#80  
1,3,5-Trimethylbenzene  
Concen: 21.601 ug/l  
RT: 12.813 min Scan# 1803  
Delta R.T. 0.001 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 105 Resp: 177045  
Ion Ratio Lower Upper  
105 100  
120 48.5 24.4 73.4

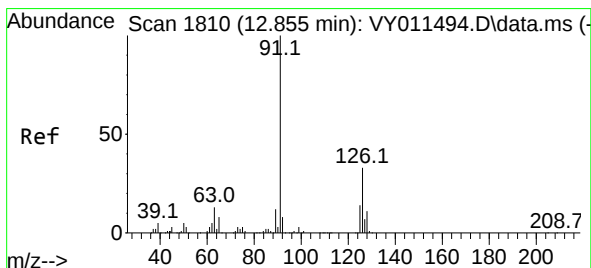
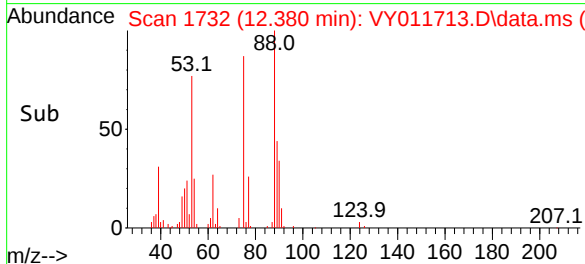
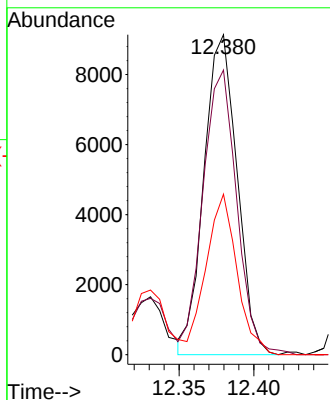
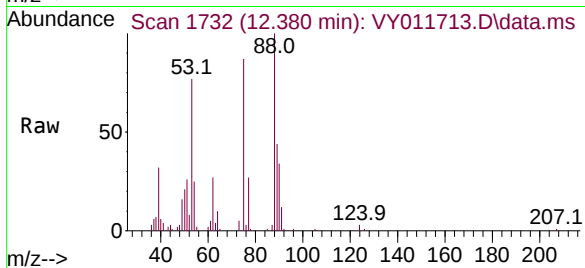




#81  
trans-1,4-Dichloro-2-butene  
Concen: 21.285 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

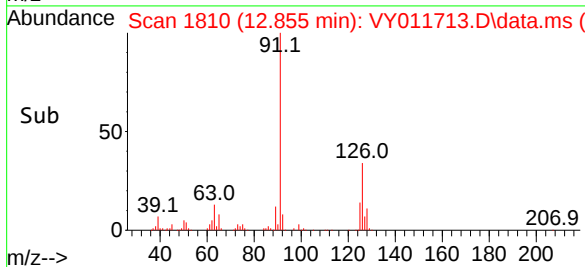
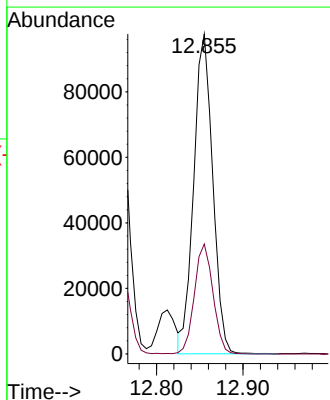
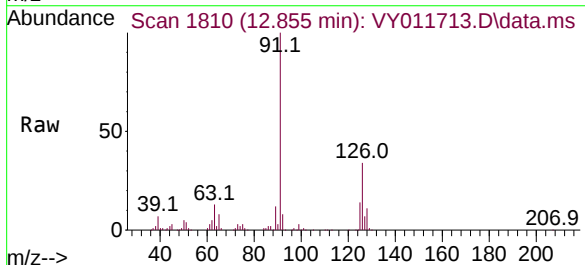
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

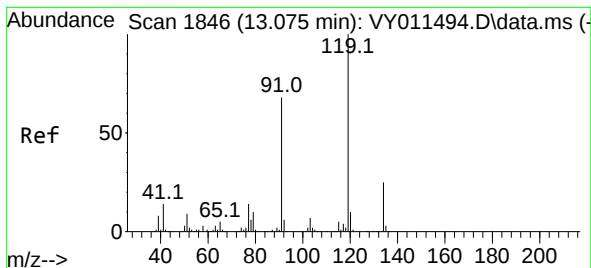
Tgt Ion: 75 Resp: 14070  
Ion Ratio Lower Upper  
75 100  
53 90.8 85.3 127.9  
89 46.5 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 21.234 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 91 Resp: 148448  
Ion Ratio Lower Upper  
91 100  
126 33.8 17.0 51.0





#83

tert-Butylbenzene

Concen: 21.309 ug/l

RT: 13.075 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

VY1206SBS01

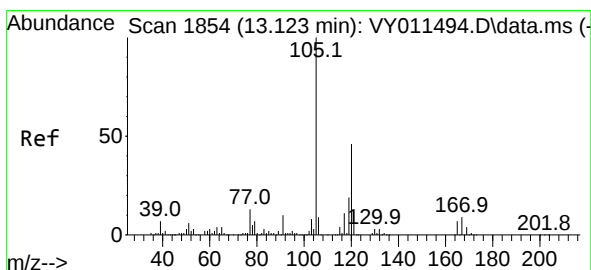
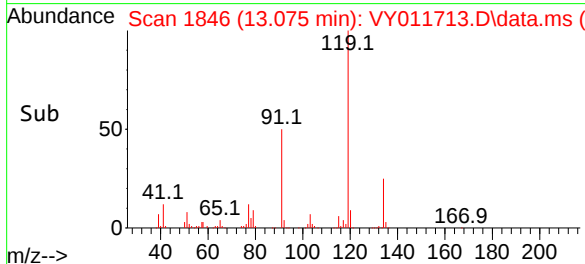
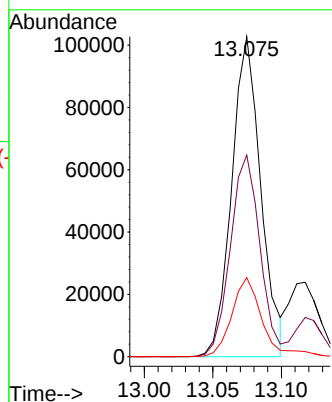
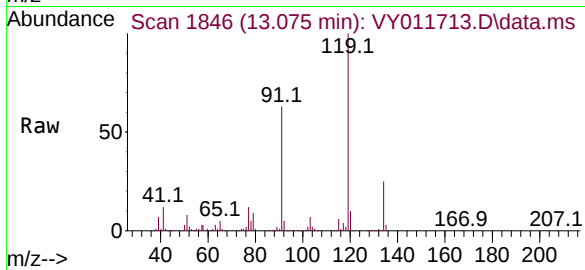
Tgt Ion:119 Resp: 152125

Ion Ratio Lower Upper

119 100

91 63.9 34.8 104.4

134 25.8 13.3 39.9



#84

1,2,4-Trimethylbenzene

Concen: 21.399 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY011713.D

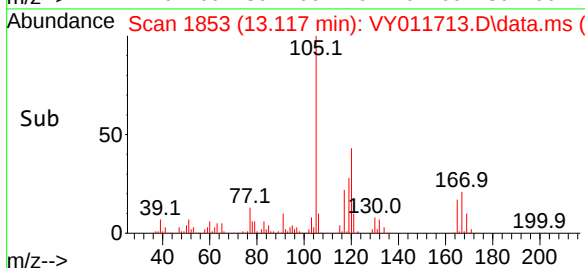
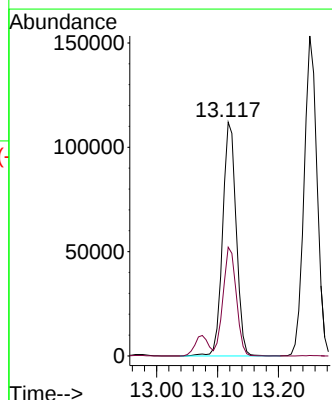
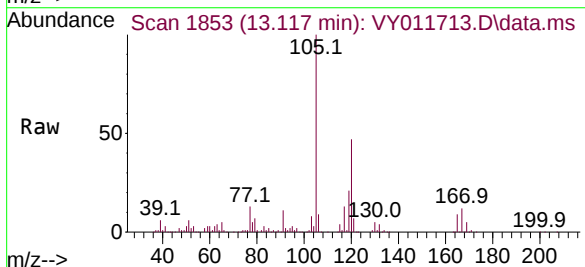
Acq: 06 Dec 2022 12:45

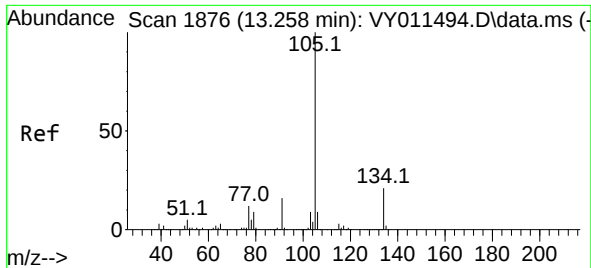
Tgt Ion:105 Resp: 173230

Ion Ratio Lower Upper

105 100

120 45.3 22.3 66.9

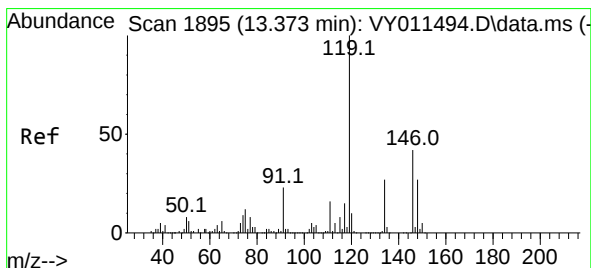
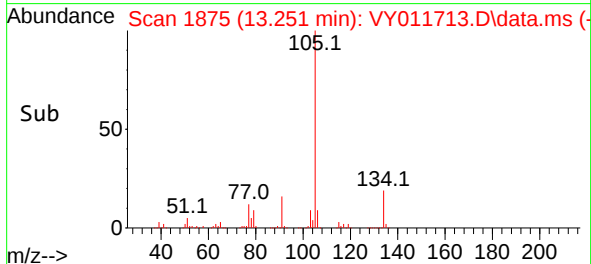
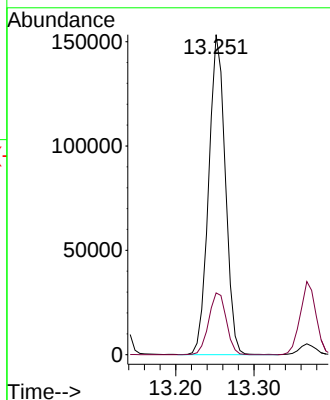
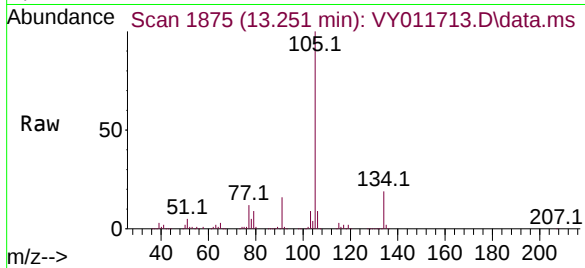




#85  
 sec-Butylbenzene  
 Concen: 21.190 ug/l  
 RT: 13.251 min Scan# 1875  
 Delta R.T. -0.007 min  
 Lab File: VY011713.D  
 Acq: 06 Dec 2022 12:45

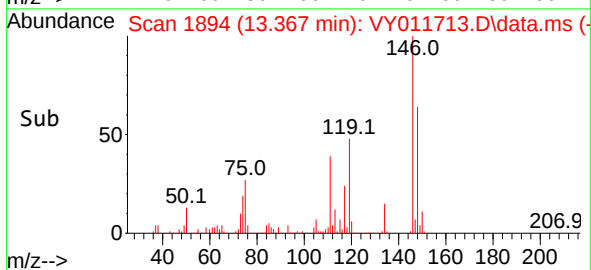
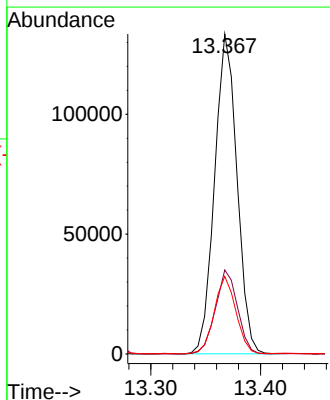
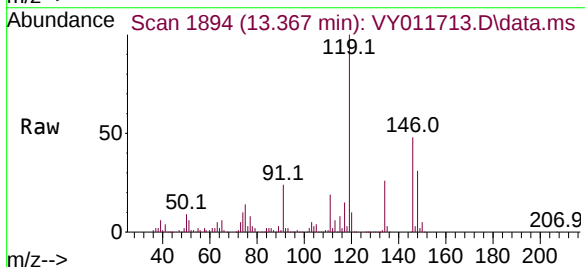
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1206SBS01

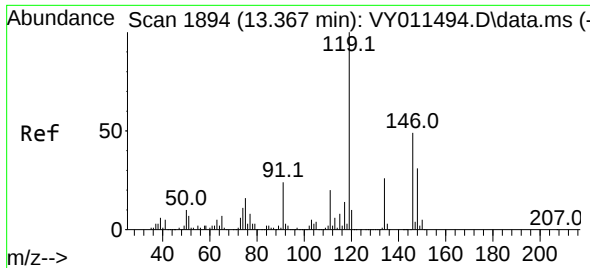
Tgt Ion:105 Resp: 225714  
 Ion Ratio Lower Upper  
 105 100  
 134 20.4 10.2 30.4



#86  
 p-Isopropyltoluene  
 Concen: 21.303 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. -0.006 min  
 Lab File: VY011713.D  
 Acq: 06 Dec 2022 12:45

Tgt Ion:119 Resp: 189383  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 13.2 39.5  
 91 23.3 12.4 37.2

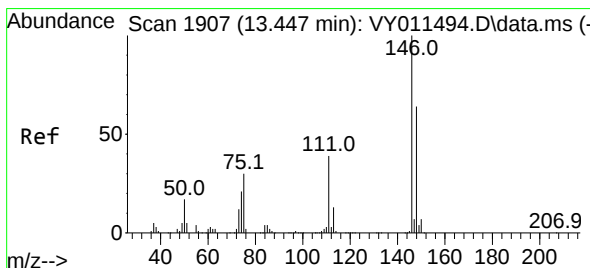
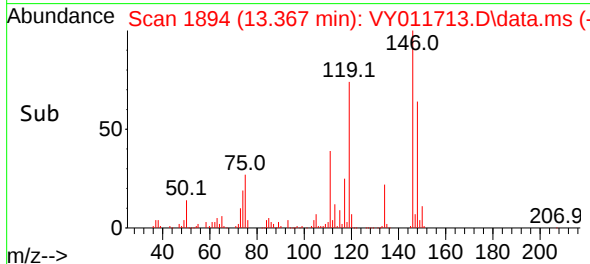
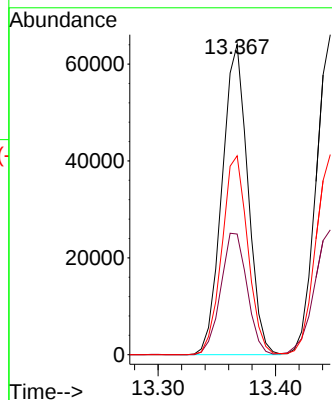
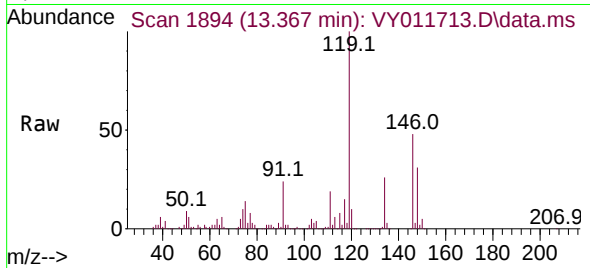




#87  
 1,3-Dichlorobenzene  
 Concen: 21.117 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. 0.000 min  
 Lab File: VY011713.D  
 Acq: 06 Dec 2022 12:45

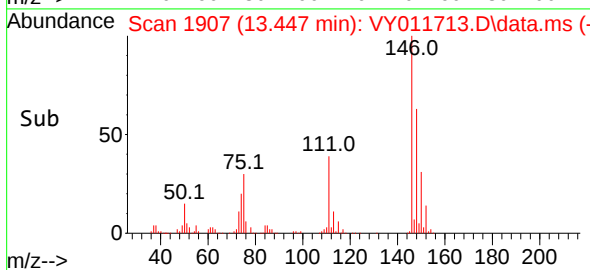
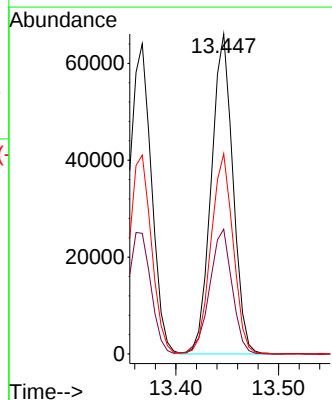
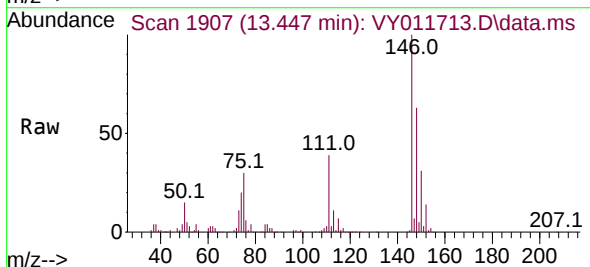
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1206SBS01

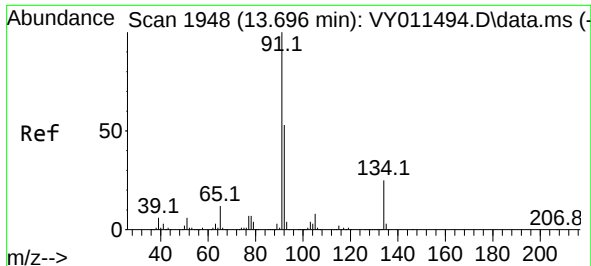
Tgt Ion:146 Resp: 97594  
 Ion Ratio Lower Upper  
 146 100  
 111 40.0 19.5 58.5  
 148 64.3 31.6 95.0



#88  
 1,4-Dichlorobenzene  
 Concen: 20.962 ug/l  
 RT: 13.447 min Scan# 1907  
 Delta R.T. -0.000 min  
 Lab File: VY011713.D  
 Acq: 06 Dec 2022 12:45

Tgt Ion:146 Resp: 96874  
 Ion Ratio Lower Upper  
 146 100  
 111 40.6 19.3 57.8  
 148 64.1 32.6 97.8

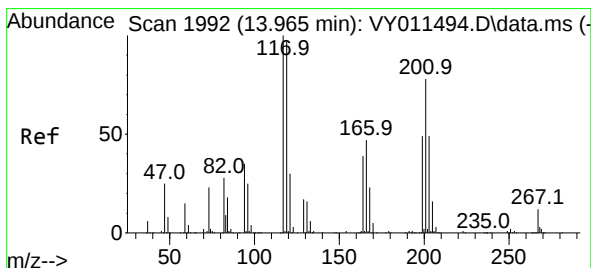
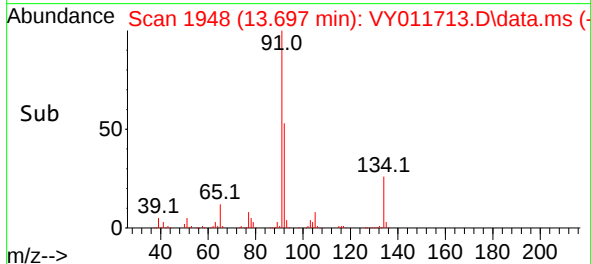
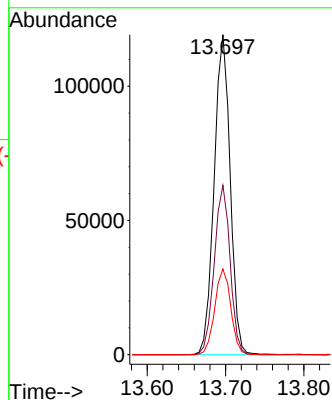
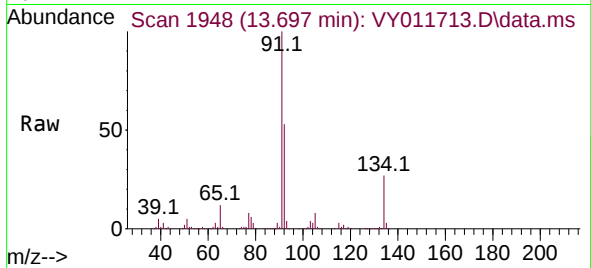




#89  
n-Butylbenzene  
Concen: 20.764 ug/l  
RT: 13.697 min Scan# 1948  
Delta R.T. 0.001 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

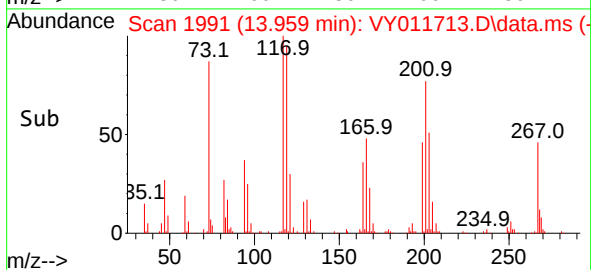
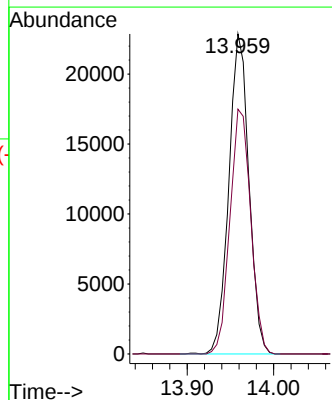
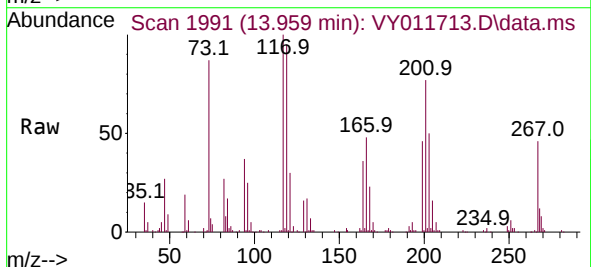
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

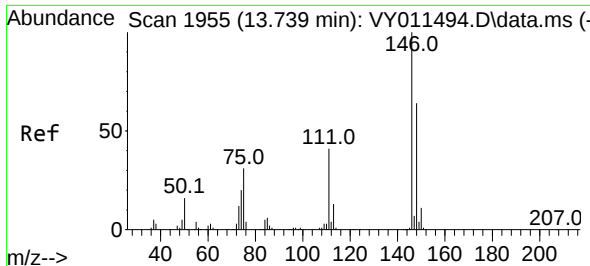
Tgt Ion: 91 Resp: 169684  
Ion Ratio Lower Upper  
91 100  
92 52.3 26.3 78.9  
134 26.7 13.0 38.9



#90  
Hexachloroethane  
Concen: 20.470 ug/l  
RT: 13.959 min Scan# 1991  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 117 Resp: 36748  
Ion Ratio Lower Upper  
117 100  
201 79.2 43.0 128.8

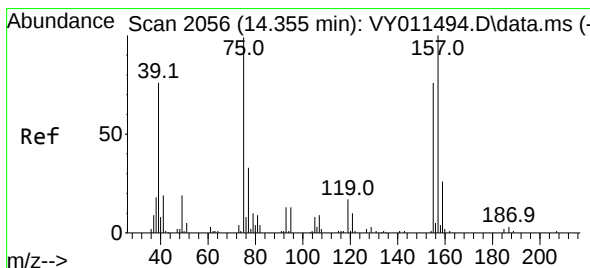
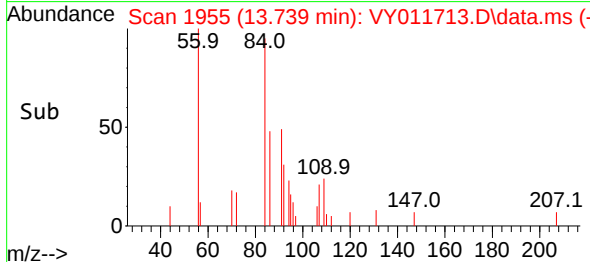
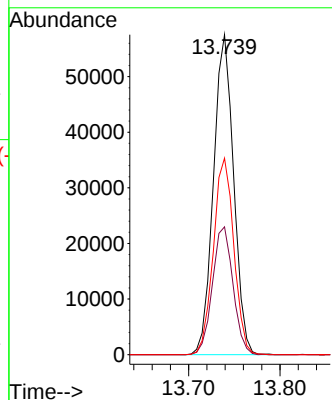
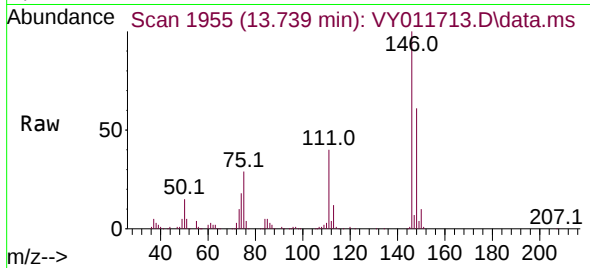




#91  
1,2-Dichlorobenzene  
Concen: 21.519 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

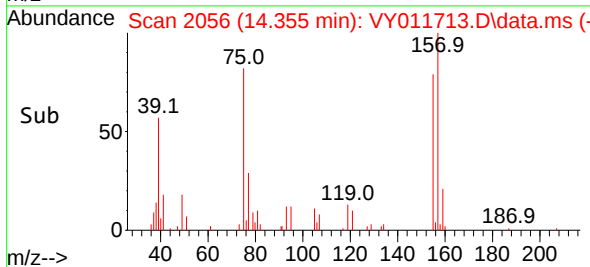
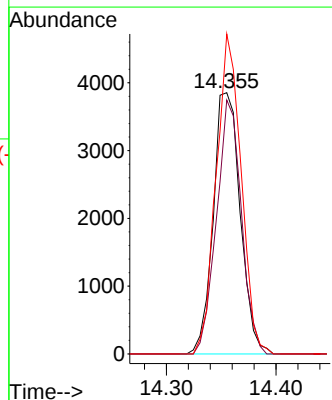
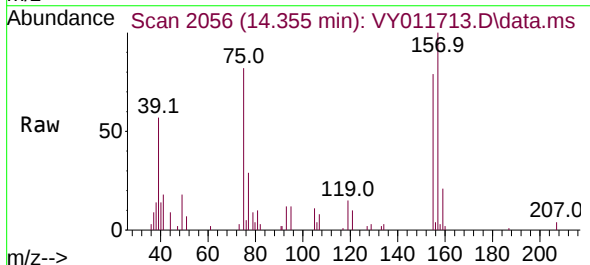
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

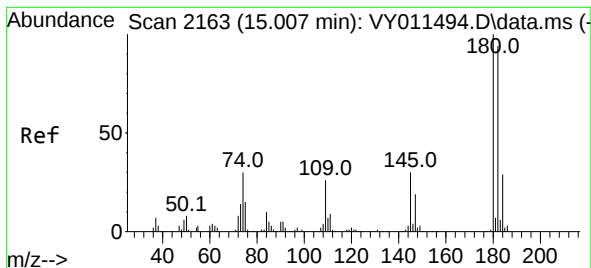
Tgt Ion:146 Resp: 88161  
Ion Ratio Lower Upper  
146 100  
111 40.8 20.3 60.9  
148 62.3 32.3 96.9



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 21.021 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion: 75 Resp: 6605  
Ion Ratio Lower Upper  
75 100  
155 89.3 38.0 113.9  
157 112.9 47.8 143.3





#93

1,2,4-Trichlorobenzene

Concen: 21.895 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

VY1206SBS01

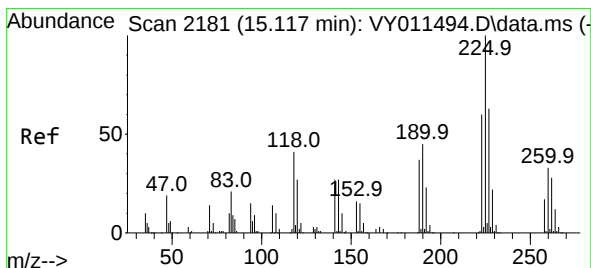
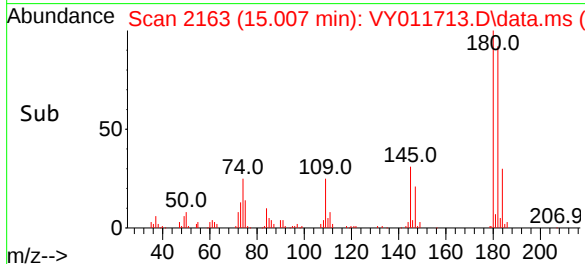
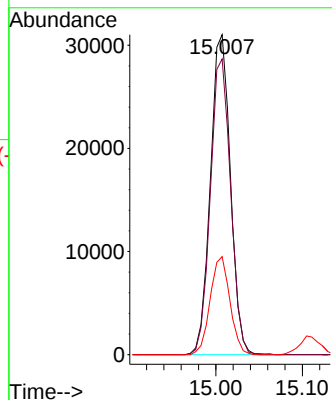
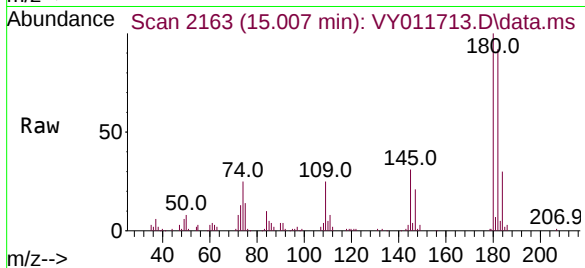
Tgt Ion:180 Resp: 49754

Ion Ratio Lower Upper

180 100

182 93.3 47.3 141.9

145 30.3 14.6 43.8



#94

Hexachlorobutadiene

Concen: 22.388 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.006 min

Lab File: VY011713.D

Acq: 06 Dec 2022 12:45

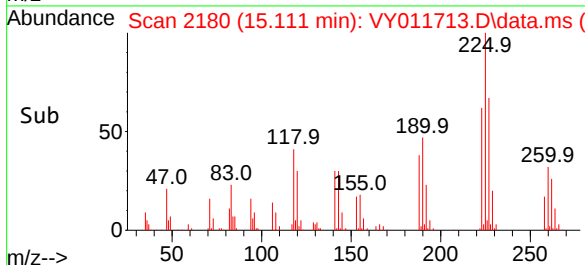
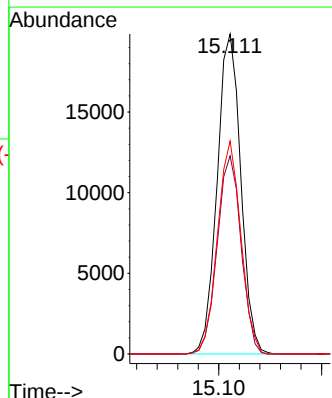
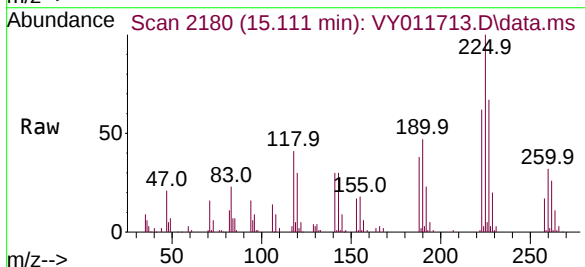
Tgt Ion:225 Resp: 31623

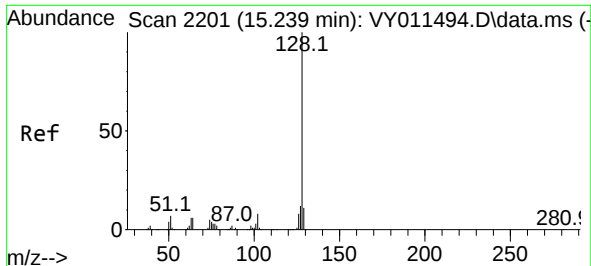
Ion Ratio Lower Upper

225 100

223 62.4 30.8 92.3

227 65.9 31.6 94.7

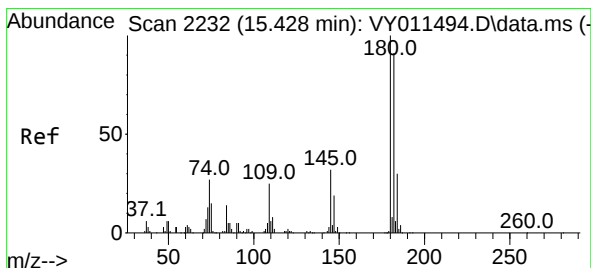
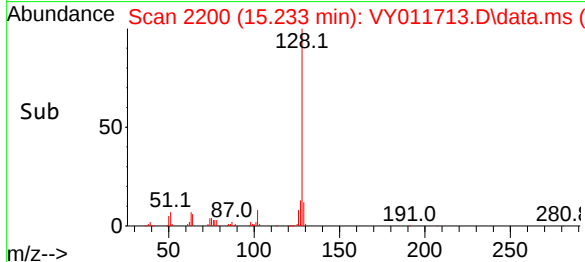
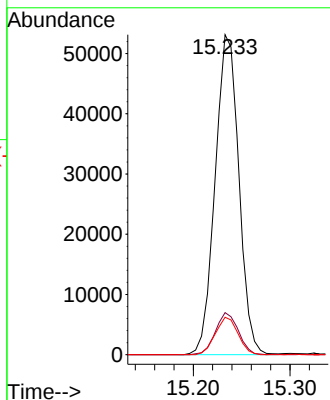
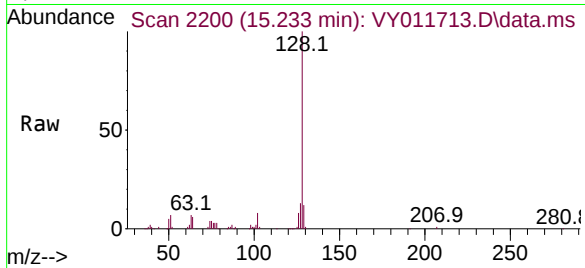




#95  
Naphthalene  
Concen: 21.481 ug/l  
RT: 15.233 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1206SBS01

Tgt Ion:128 Resp: 90454  
Ion Ratio Lower Upper  
128 100  
127 12.7 11.0 16.4  
129 11.1 8.4 12.6



#96  
1,2,3-Trichlorobenzene  
Concen: 21.513 ug/l  
RT: 15.422 min Scan# 2231  
Delta R.T. -0.006 min  
Lab File: VY011713.D  
Acq: 06 Dec 2022 12:45

Tgt Ion:180 Resp: 41894  
Ion Ratio Lower Upper  
180 100  
182 94.4 47.3 141.9  
145 33.0 15.3 45.9

