

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051623\  
 Data File : VY013753.D  
 Acq On : 16 May 2023 12:43  
 Operator : KP/MD  
 Sample : VY0516SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0516SBS02

Quant Time: May 17 07:44:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 190846   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 294350   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 263184   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 134562   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 114688   | 54.820   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 109.640% |      |
| 35) Dibromofluoromethane    | 7.716  | 113   | 106642   | 57.603   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 115.200% |      |
| 50) Toluene-d8              | 10.179 | 98    | 351696   | 53.401   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 106.800% |      |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 132637   | 59.739   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 119.480% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 41089  | 22.647  | ug/l   | 99  |
| 3) Chloromethane             | 2.113 | 50  | 56843  | 23.373  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.253 | 62  | 57241  | 23.638  | ug/l   | 95  |
| 5) Bromomethane              | 2.650 | 94  | 49580  | 25.693  | ug/l   | 100 |
| 6) Chloroethane              | 2.790 | 64  | 38064  | 22.754  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 90015  | 24.538  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.527 | 74  | 28671  | 22.952  | ug/l   | 84  |
| 9) 1,1,2-Trichlorotrifluo... | 3.899 | 101 | 51459  | 25.009  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.088 | 142 | 53525  | 20.711  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 4.954 | 59  | 20308  | 86.608  | ug/l # | 89  |
| 12) 1,1-Dichloroethene       | 3.869 | 96  | 46397  | 23.392  | ug/l   | 89  |
| 13) Acrolein                 | 3.723 | 56  | 15872  | 80.838  | ug/l   | 96  |
| 14) Allyl chloride           | 4.478 | 41  | 89359  | 24.280  | ug/l   | 96  |
| 15) Acrylonitrile            | 5.161 | 53  | 75426  | 107.813 | ug/l   | 99  |
| 16) Acetone                  | 3.954 | 43  | 78041  | 94.723  | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.192 | 76  | 135301 | 21.000  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.478 | 43  | 60001  | 22.050  | ug/l   | 93  |
| 19) Methyl tert-butyl Ether  | 5.216 | 73  | 129982 | 22.700  | ug/l   | 97  |
| 20) Methylene Chloride       | 4.710 | 84  | 69560  | 22.502  | ug/l # | 83  |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 51062  | 23.546  | ug/l   | 92  |
| 22) Diisopropyl ether        | 6.112 | 45  | 182809 | 25.414  | ug/l   | 93  |
| 23) Vinyl Acetate            | 6.057 | 43  | 504655 | 123.907 | ug/l   | 96  |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 101773 | 25.386  | ug/l   | 98  |
| 25) 2-Butanone               | 6.984 | 43  | 104008 | 99.542  | ug/l   | 94  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 87051  | 25.198  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 59001  | 24.624  | ug/l   | 93  |
| 28) Bromochloromethane       | 7.332 | 49  | 35390  | 24.876  | ug/l # | 79  |
| 29) Tetrahydrofuran          | 7.350 | 42  | 64957  | 99.871  | ug/l   | 89  |
| 30) Chloroform               | 7.508 | 83  | 104587 | 26.238  | ug/l   | 96  |
| 31) Cyclohexane              | 7.783 | 56  | 84892  | 22.664  | ug/l   | 94  |
| 32) 1,1,1-Trichloroethane    | 7.697 | 97  | 90767  | 25.518  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 74673  | 24.303  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.076 | 43  | 47353  | 20.480  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 7.899 | 117 | 81874  | 25.424  | ug/l   | 89  |
| 39) Methylcyclohexane        | 9.185 | 83  | 83300  | 22.997  | ug/l   | 95  |
| 40) Benzene                  | 8.161 | 78  | 216601 | 25.026  | ug/l   | 97  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051623\  
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 Acq On : 16 May 2023 12:43  
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 Sample : VY0516SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0516SBS02

Quant Time: May 17 07:44:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.350  | 41   | 63871    | 59.279  | ug/l # | 21       |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 69534    | 24.574  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 84462    | 21.642  | ug/l   | 97       |
| 44) Trichloroethene           | 8.941  | 130  | 56640    | 24.602  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 58713    | 25.945  | ug/l   | 97       |
| 46) Dibromomethane            | 9.307  | 93   | 32227    | 23.801  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.496  | 83   | 77696    | 25.644  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.295  | 41   | 37950    | 21.173  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.319  | 88   | 7419     | 383.644 | ug/l # | 25       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 229693   | 105.617 | ug/l   | 95       |
| 52) Toluene                   | 10.240 | 92   | 134186   | 25.764  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 78002    | 24.326  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 88635    | 24.565  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 44088    | 24.587  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 56961    | 22.897  | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 75323    | 24.803  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 111599   | 119.634 | ug/l   | 92       |
| 59) 2-Hexanone                | 10.831 | 43   | 159258   | 100.740 | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.983 | 129  | 54441    | 25.004  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 41938    | 23.789  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.721 | 164  | 48477    | 24.223  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.514 | 112  | 140093   | 24.436  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 55088    | 25.692  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 249928   | 24.825  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 188687   | 49.302  | ug/l   | 94       |
| 69) o-Xylene                  | 12.026 | 106  | 89585    | 24.750  | ug/l   | 95       |
| 70) Styrene                   | 12.044 | 104  | 153156   | 25.307  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 35263    | 23.479  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 240741   | 23.654  | ug/l   | 97       |
| 74) N-amyl acetate            | 12.142 | 43   | 72198    | 19.934  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 53218    | 21.392  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 67180    | 37.019  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 58083    | 23.552  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.672 | 91   | 300487   | 23.969  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 166810   | 23.828  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 199556   | 24.022  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 17512    | 19.739  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 173645   | 23.798  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 175761   | 24.422  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 196869   | 24.376  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 262165   | 24.272  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 214597   | 24.706  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 113487   | 24.155  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 112807   | 23.768  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 204320   | 24.101  | ug/l   | 97       |
| 90) Hexachloroethane          | 13.958 | 117  | 43732    | 23.922  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 100210   | 23.619  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 8614     | 19.606  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 58923    | 23.294  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 38593    | 26.215  | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 105389   | 19.202  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 51256    | 22.734  | ug/l   | 98       |

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Data File : VY013753.D  
Acq On : 16 May 2023 12:43  
Operator : KP/MD  
Sample : VY0516SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

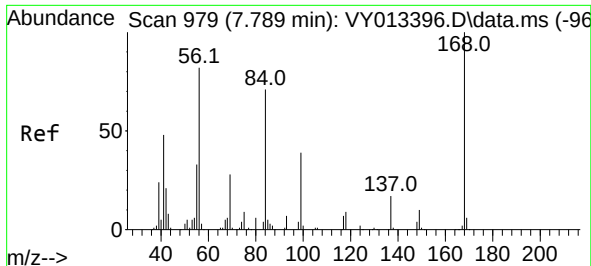
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

Quant Time: May 17 07:44:41 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration

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

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

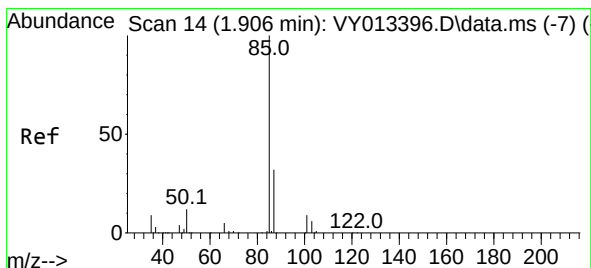
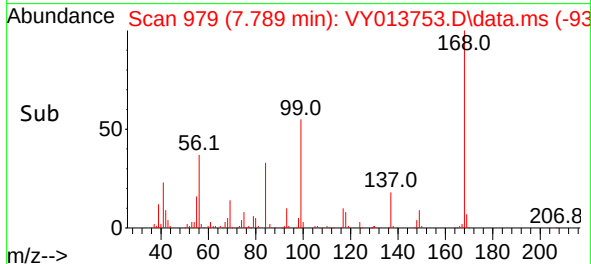
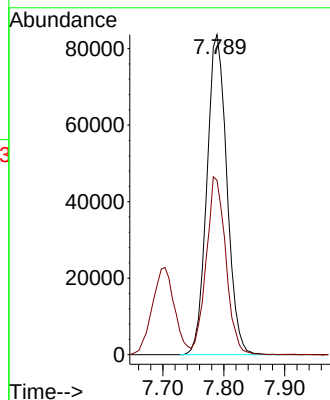
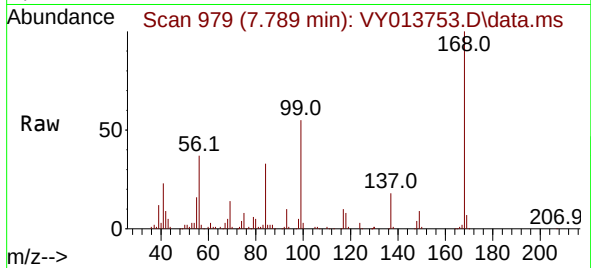




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

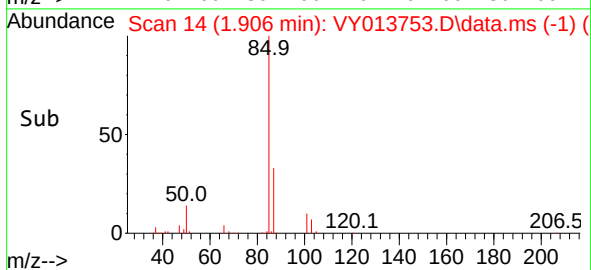
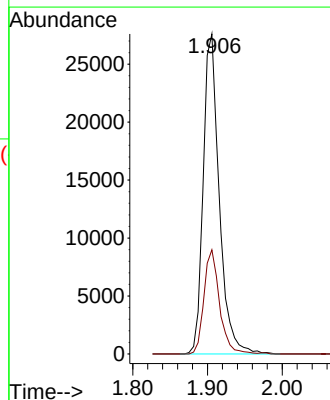
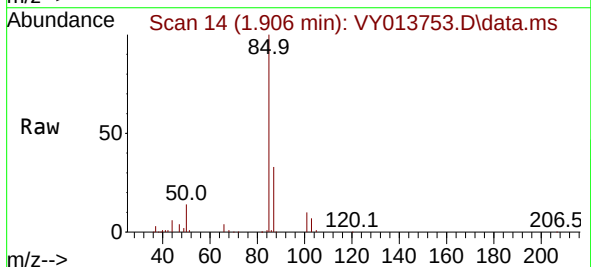
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

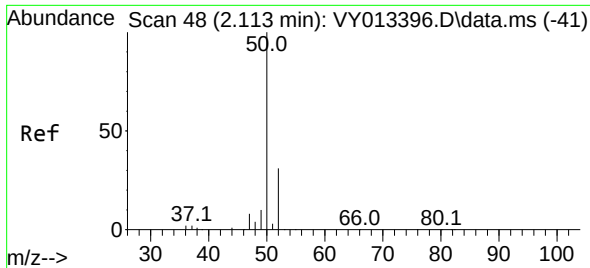
Tgt Ion:168 Resp: 190846  
Ion Ratio Lower Upper  
168 100  
99 54.4 41.8 62.6



#2  
Dichlorodifluoromethane  
Concen: 22.647 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 85 Resp: 41089  
Ion Ratio Lower Upper  
85 100  
87 32.6 16.1 48.2

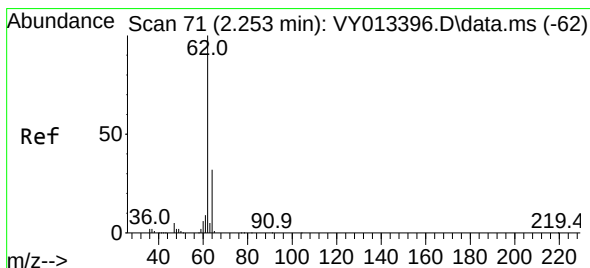
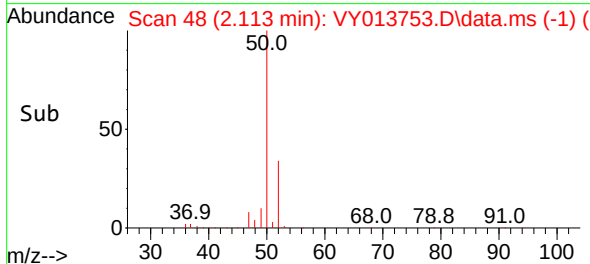
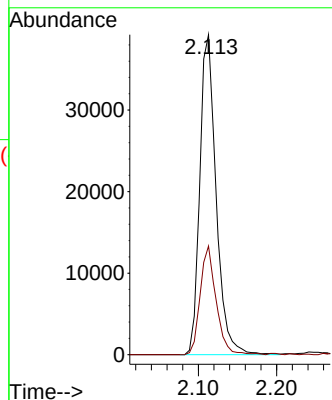
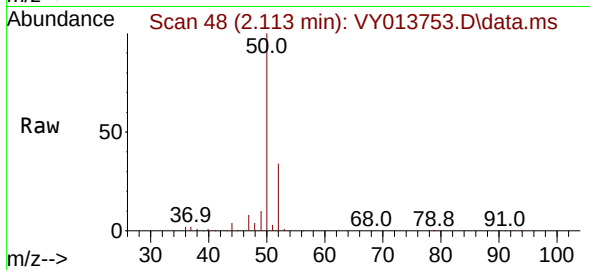




#3  
Chloromethane  
Concen: 23.373 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

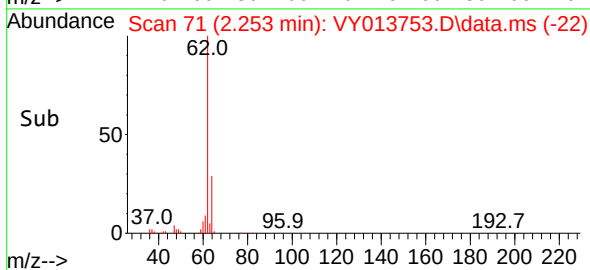
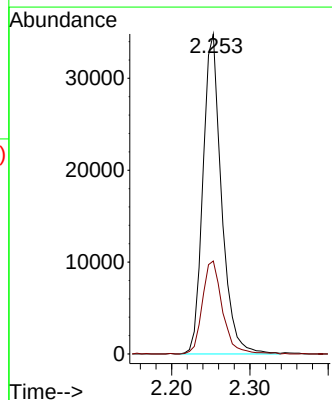
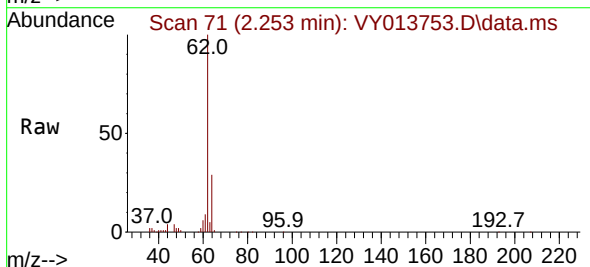
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

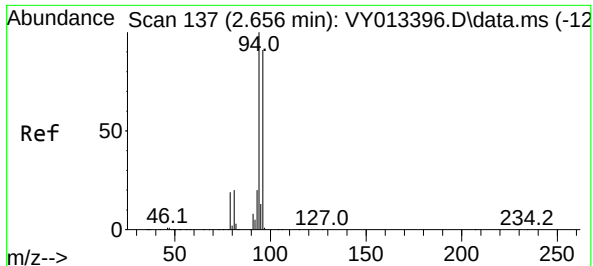
Tgt Ion: 50 Resp: 56843  
Ion Ratio Lower Upper  
50 100  
52 34.0 25.9 38.9



#4  
Vinyl Chloride  
Concen: 23.638 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 62 Resp: 57241  
Ion Ratio Lower Upper  
62 100  
64 29.0 25.4 38.0

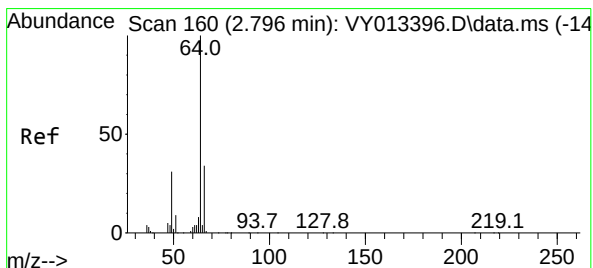
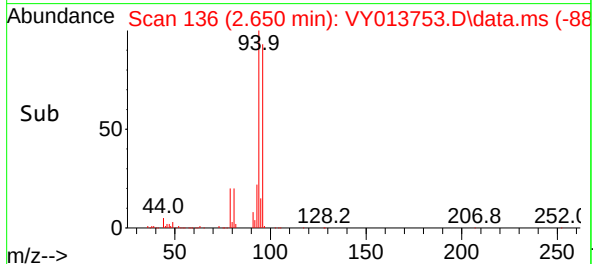
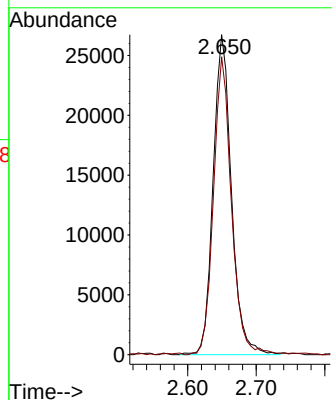
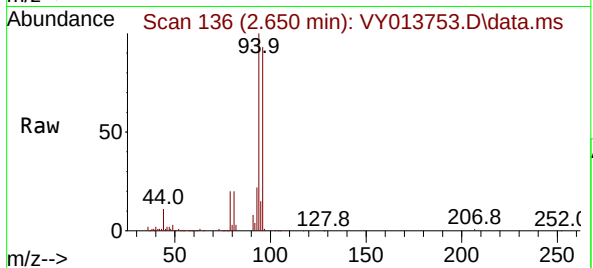




#5  
Bromomethane  
Concen: 25.693 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

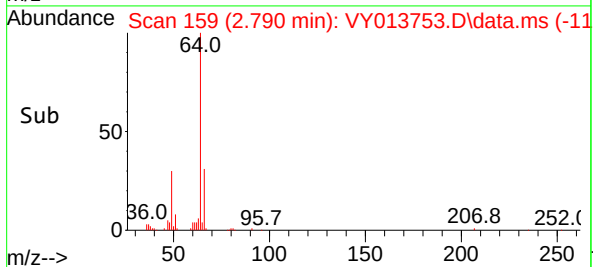
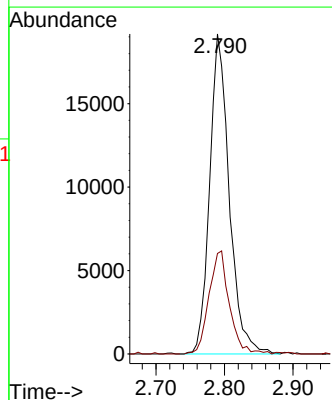
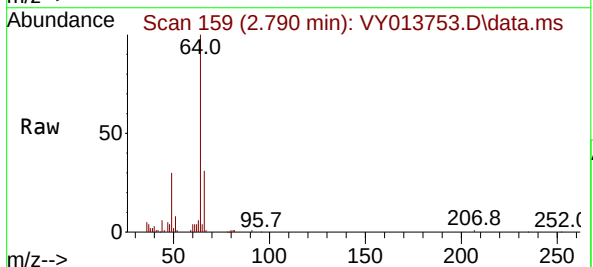
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

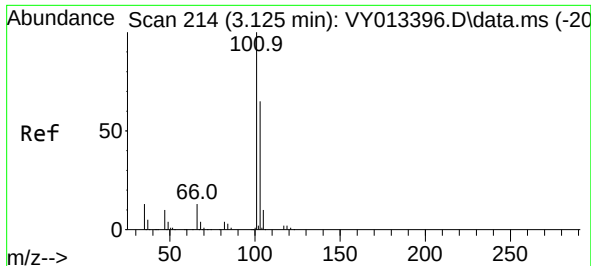
Tgt Ion: 94 Resp: 49580  
Ion Ratio Lower Upper  
94 100  
96 92.7 74.2 111.2



#6  
Chloroethane  
Concen: 22.754 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 64 Resp: 38064  
Ion Ratio Lower Upper  
64 100  
66 31.4 24.6 37.0

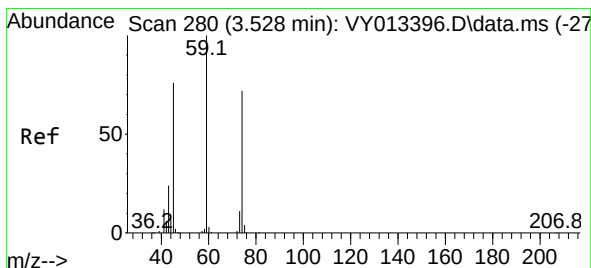
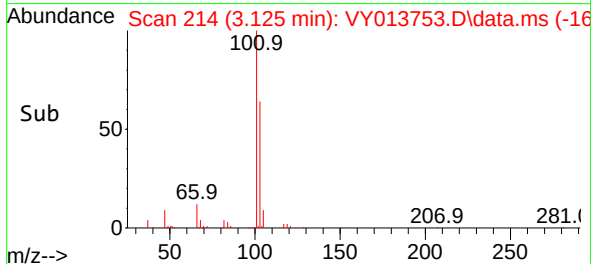
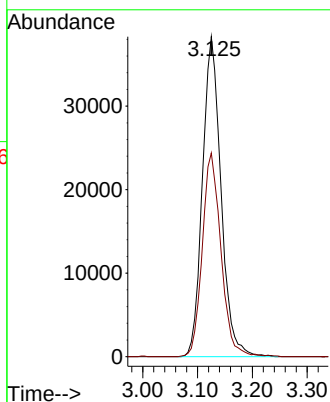
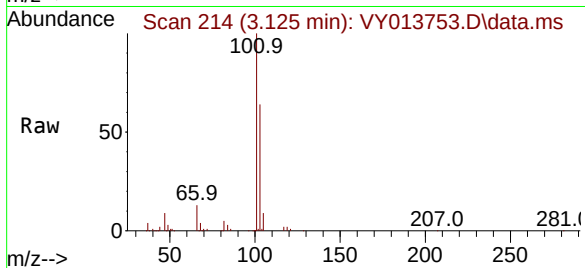




#7  
Trichlorofluoromethane  
Concen: 24.538 ug/l  
RT: 3.125 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

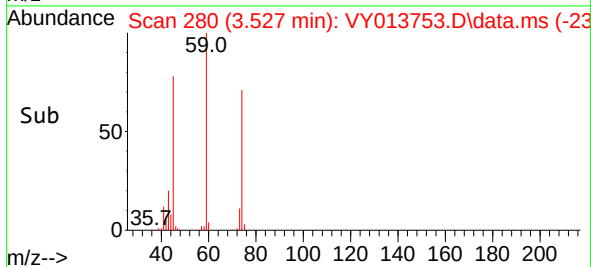
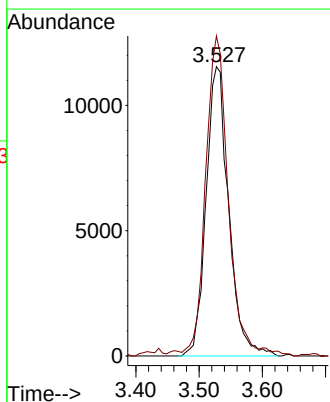
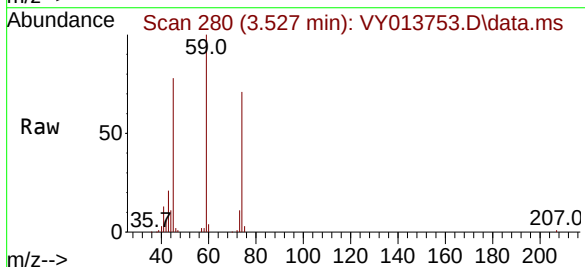
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

Tgt Ion:101 Resp: 90015  
Ion Ratio Lower Upper  
101 100  
103 63.7 51.6 77.4

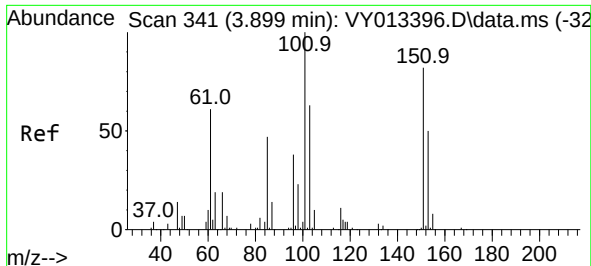


#8  
Diethyl Ether  
Concen: 22.952 ug/l  
RT: 3.527 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 74 Resp: 28671  
Ion Ratio Lower Upper  
74 100  
45 112.1 48.2 144.6



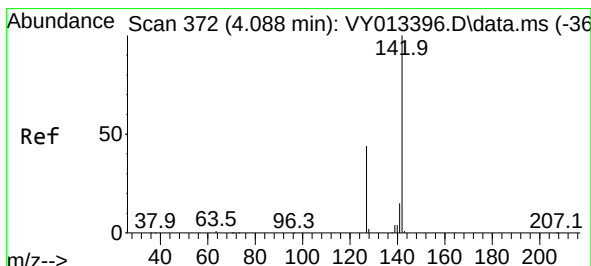
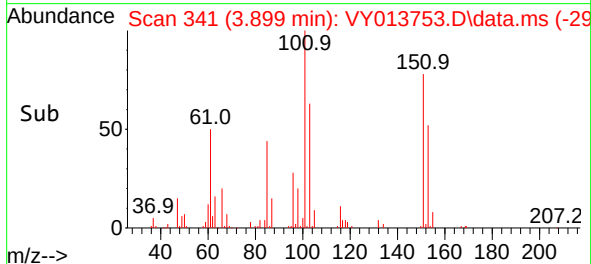
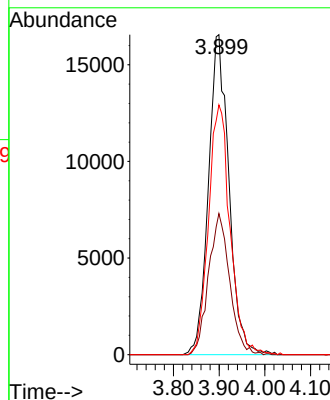
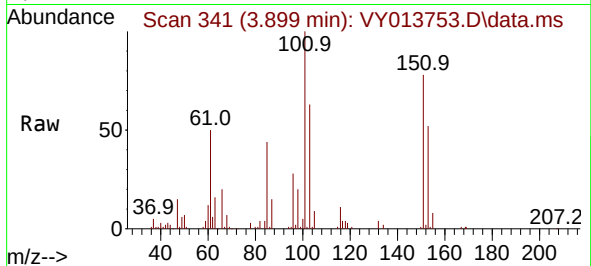




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 25.009 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

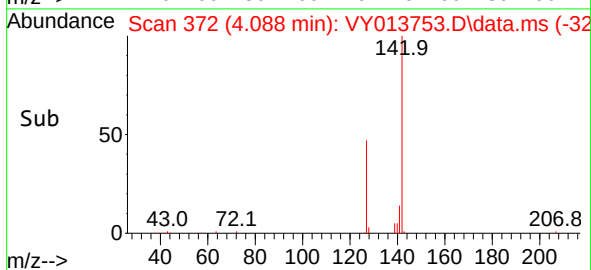
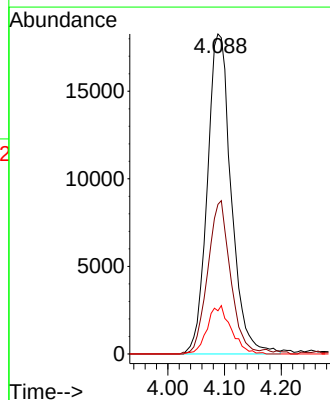
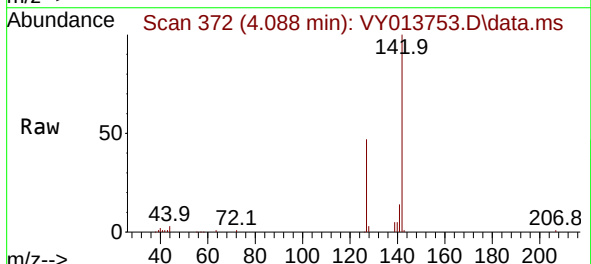
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

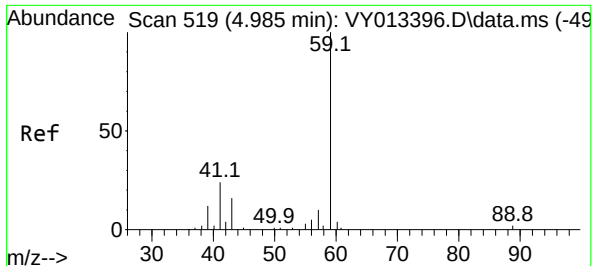
Tgt Ion:101 Resp: 51459  
Ion Ratio Lower Upper  
101 100  
85 45.5 35.6 53.4  
151 82.2 68.0 102.0



#10  
Methyl Iodide  
Concen: 20.711 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion:142 Resp: 53525  
Ion Ratio Lower Upper  
142 100  
127 45.5 36.1 54.1  
141 15.1 11.6 17.4

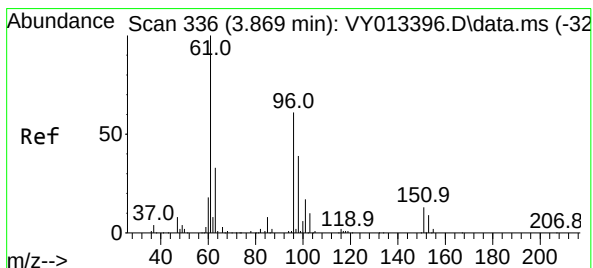
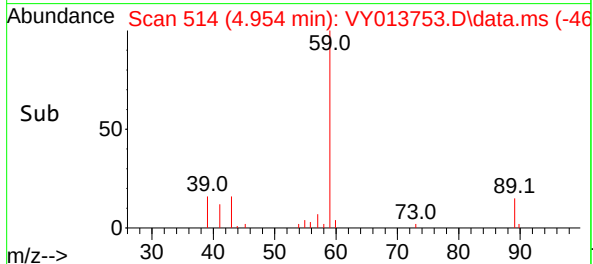
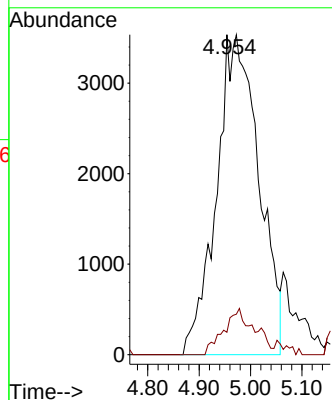
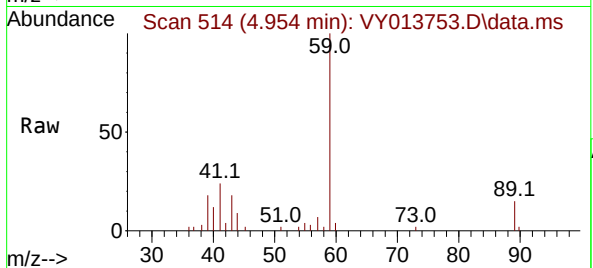




#11  
Tert butyl alcohol  
Concen: 86.608 ug/l  
RT: 4.954 min Scan# 519  
Delta R.T. -0.024 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

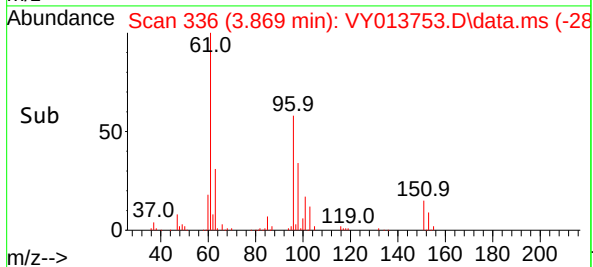
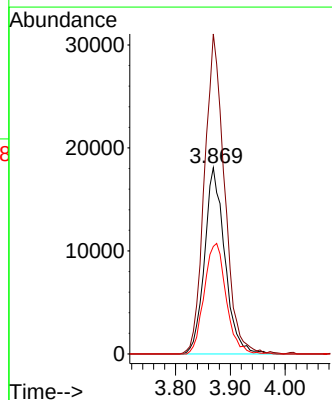
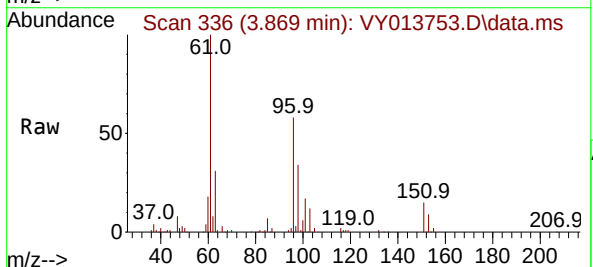
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

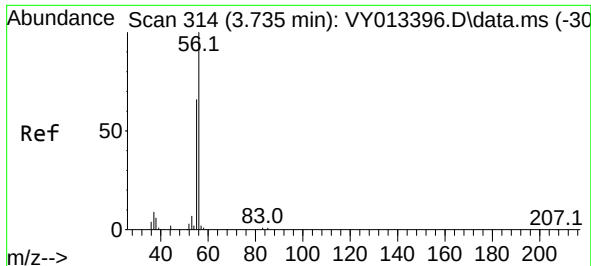
Tgt Ion: 59 Resp: 20308  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 23.392 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 96 Resp: 46397  
Ion Ratio Lower Upper  
96 100  
61 171.8 123.9 185.9  
98 57.7 48.9 73.3





#13

Acrolein

Concen: 80.838 ug/l

RT: 3.723 min Scan# 314

Delta R.T. -0.006 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

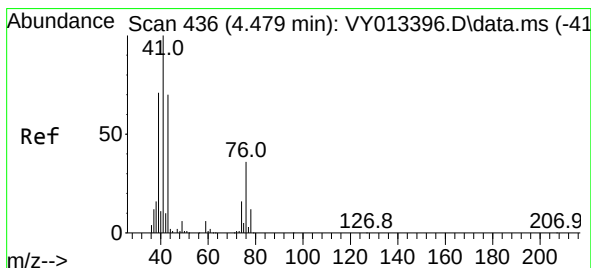
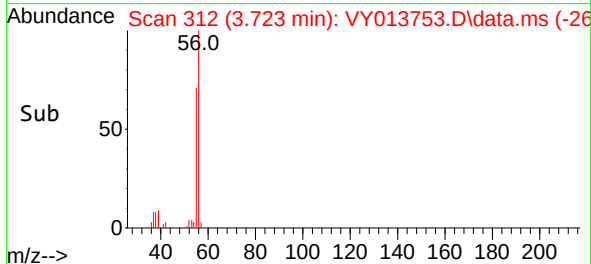
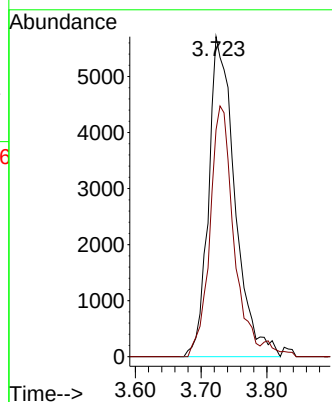
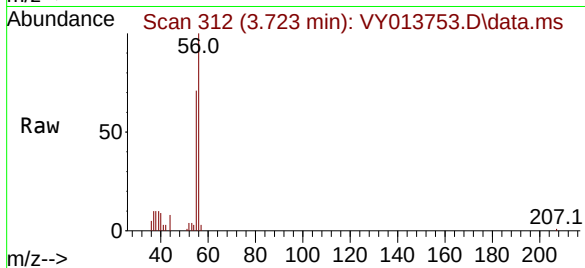
VY0516SBS02

Tgt Ion: 56 Resp: 15872

Ion Ratio Lower Upper

56 100

55 70.5 54.1 81.1



#14

Allyl chloride

Concen: 24.280 ug/l

RT: 4.478 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

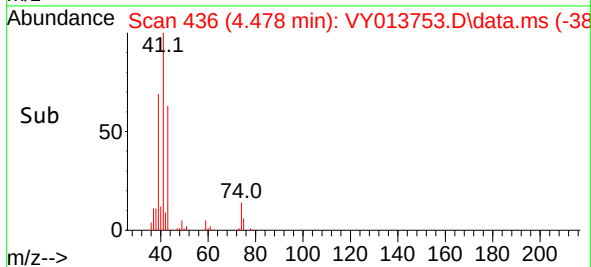
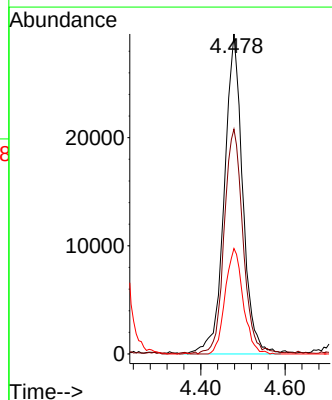
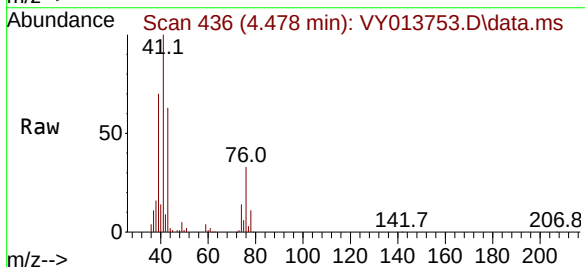
Tgt Ion: 41 Resp: 89359

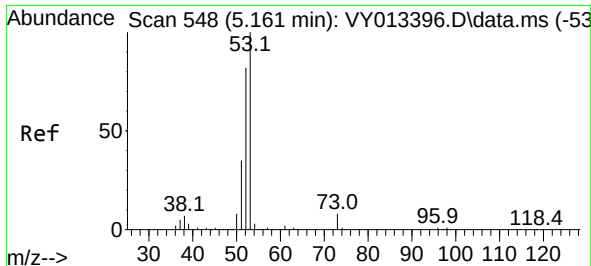
Ion Ratio Lower Upper

41 100

39 71.9 56.6 85.0

76 32.2 30.5 45.7

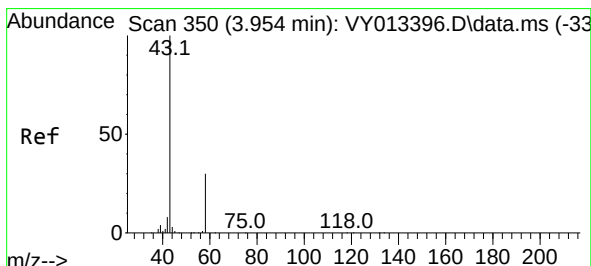
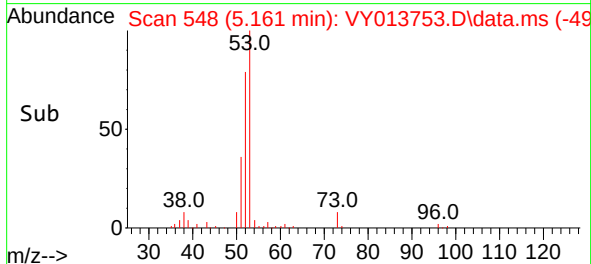
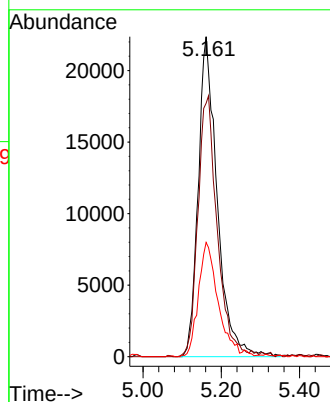
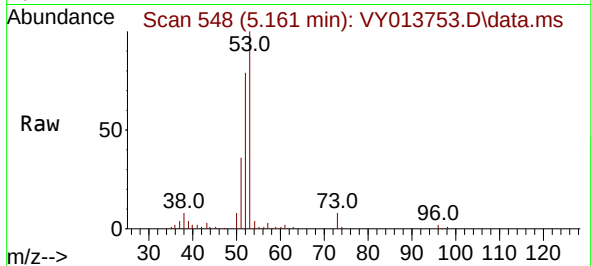




#15  
Acrylonitrile  
Concen: 107.813 ug/l  
RT: 5.161 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

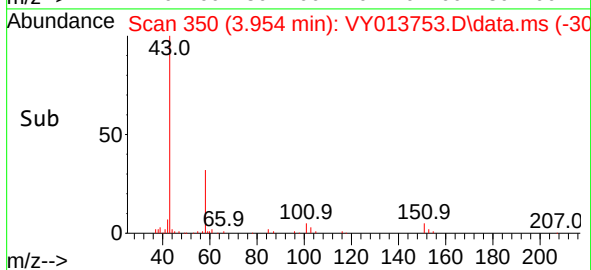
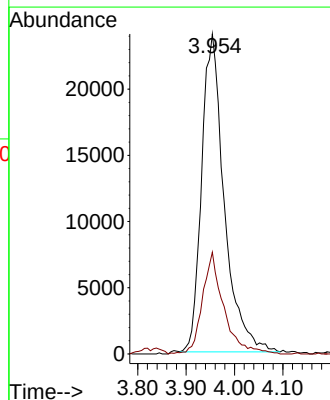
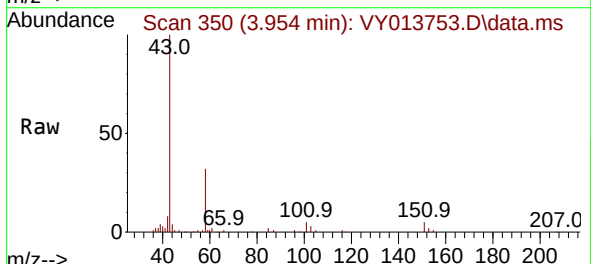
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

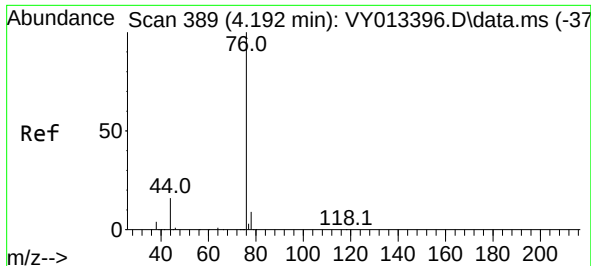
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 75426 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.3  | 65.4  | 98.0  |
| 51       | 36.8  | 29.3  | 43.9  |



#16  
Acetone  
Concen: 94.723 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 78041 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 32.0  | 25.4  | 38.0  |

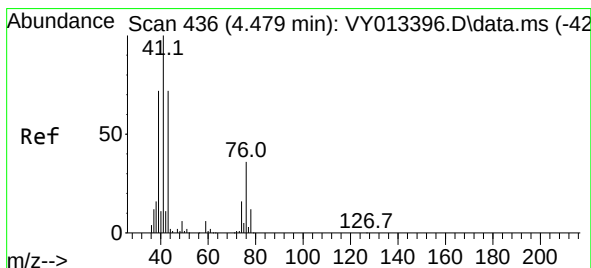
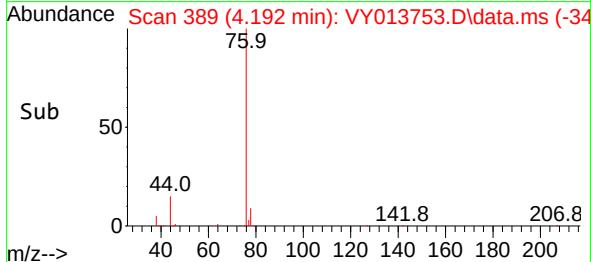
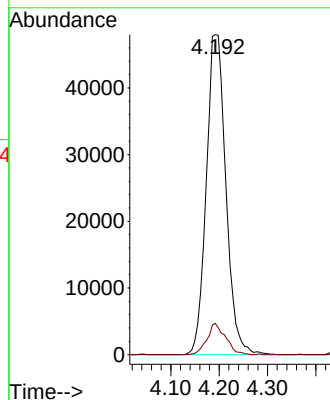
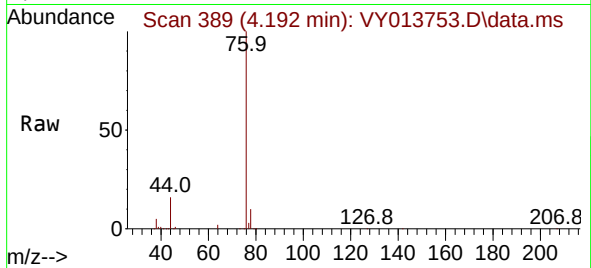




#17  
Carbon Disulfide  
Concen: 21.000 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

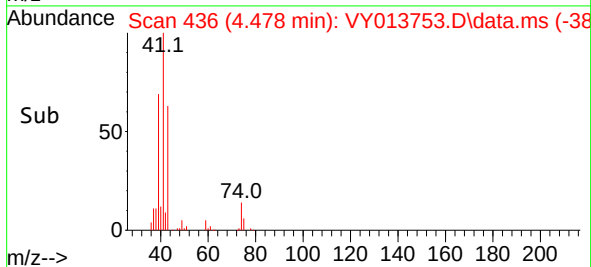
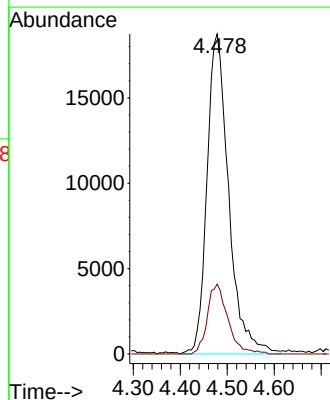
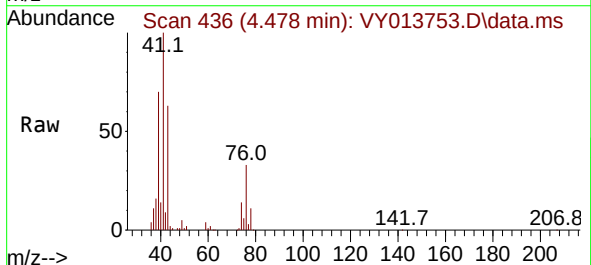
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

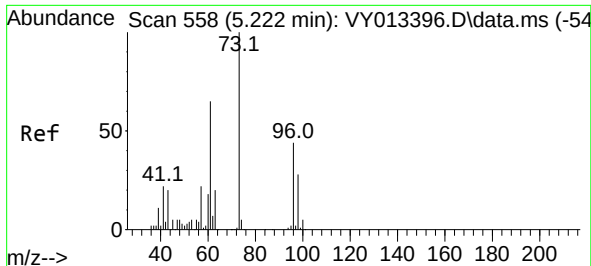
Tgt Ion: 76 Resp: 135301  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.2 10.8



#18  
Methyl Acetate  
Concen: 22.050 ug/l  
RT: 4.478 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 43 Resp: 60001  
Ion Ratio Lower Upper  
43 100  
74 20.7 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 22.700 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

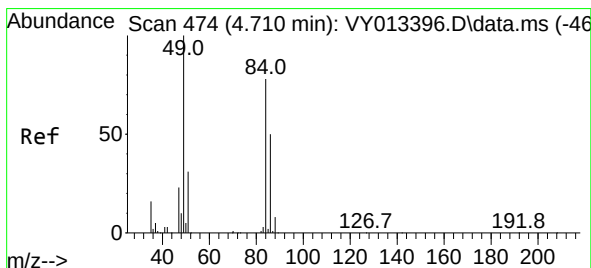
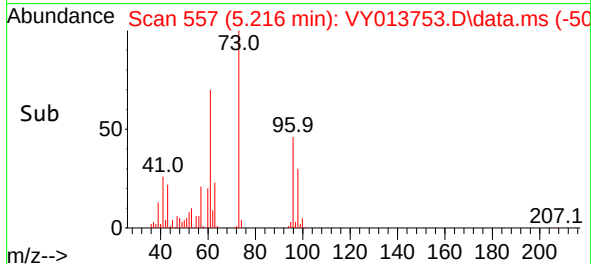
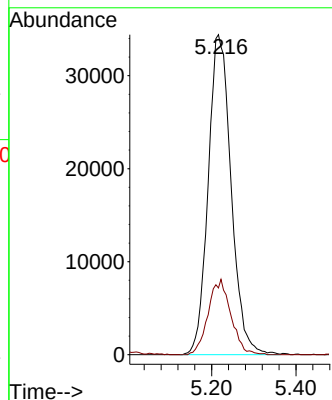
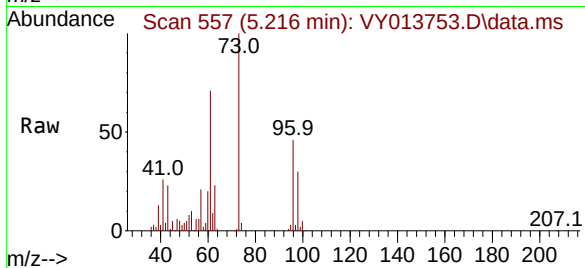
VY0516SBS02

Tgt Ion: 73 Resp: 129982

Ion Ratio Lower Upper

73 100

57 20.9 17.8 26.8



#20

Methylene Chloride

Concen: 22.502 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Tgt Ion: 84 Resp: 69560

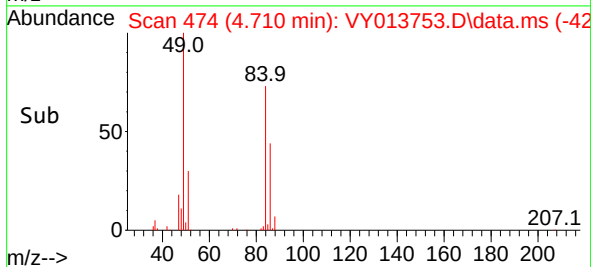
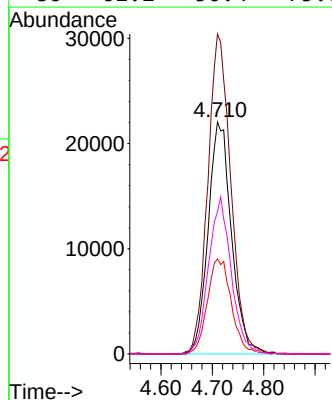
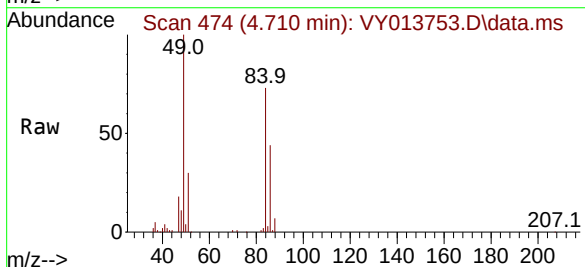
Ion Ratio Lower Upper

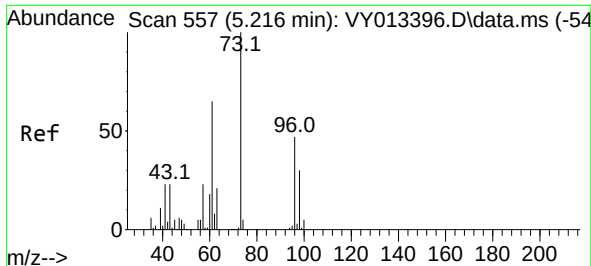
84 100

49 137.9 88.0 132.0#

51 40.9 27.4 41.0

86 61.2 50.4 75.6

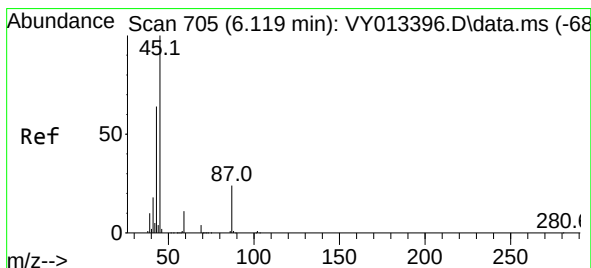
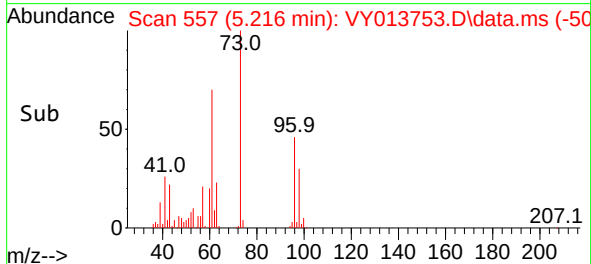
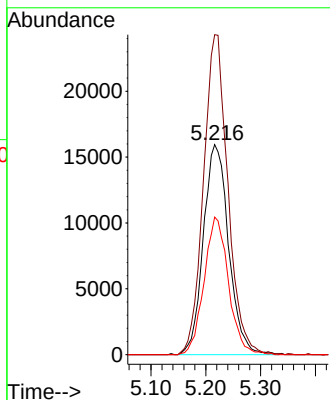
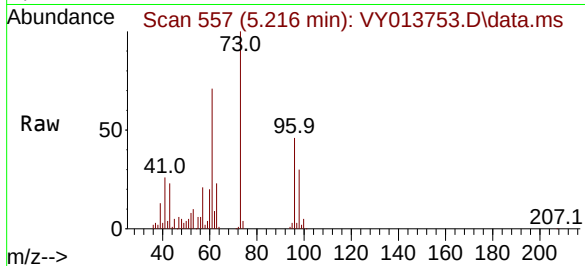




#21  
trans-1,2-Dichloroethene  
Concen: 23.546 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

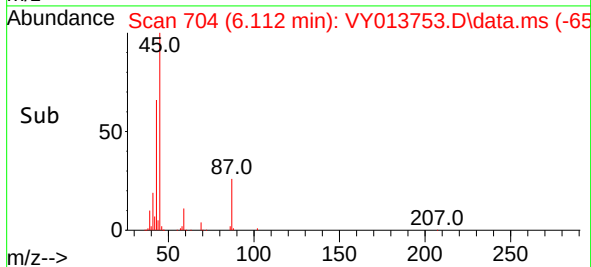
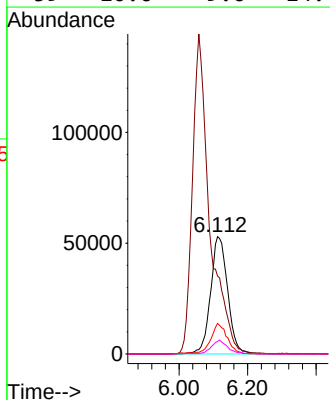
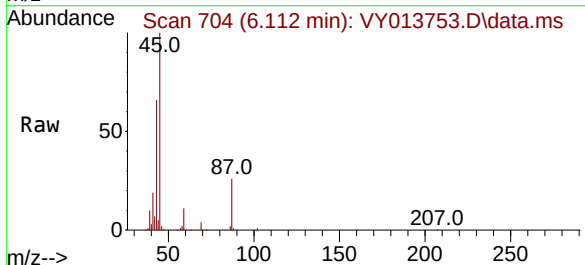
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

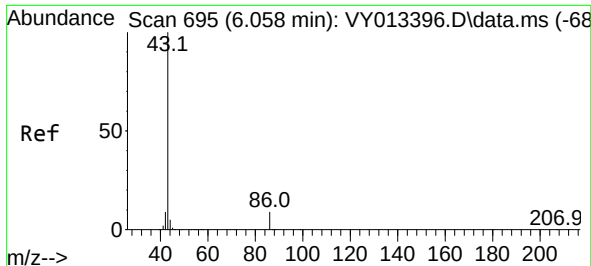
Tgt Ion: 96 Resp: 51062  
Ion Ratio Lower Upper  
96 100  
61 152.3 110.6 165.8  
98 65.5 53.1 79.7



#22  
Diisopropyl ether  
Concen: 25.414 ug/l  
RT: 6.112 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 45 Resp: 182809  
Ion Ratio Lower Upper  
45 100  
43 66.0 48.4 72.6  
87 26.1 23.8 35.6  
59 10.6 9.6 14.4

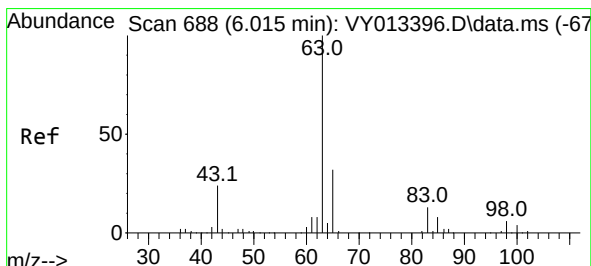
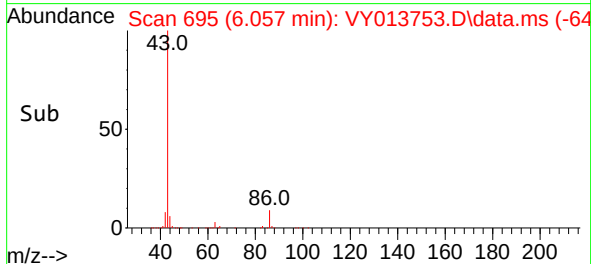
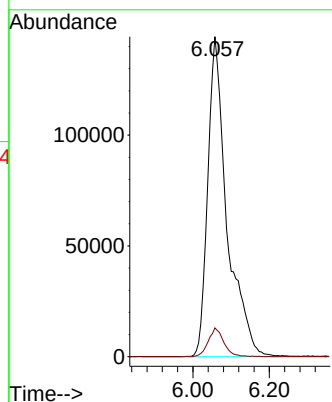
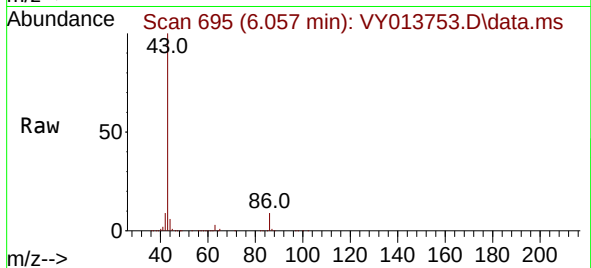




#23  
 Vinyl Acetate  
 Concen: 123.907 ug/l  
 RT: 6.057 min Scan# 695  
 Delta R.T. 0.000 min  
 Lab File: VY013753.D  
 Acq: 16 May 2023 12:43

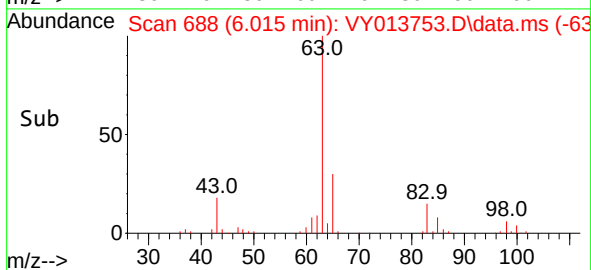
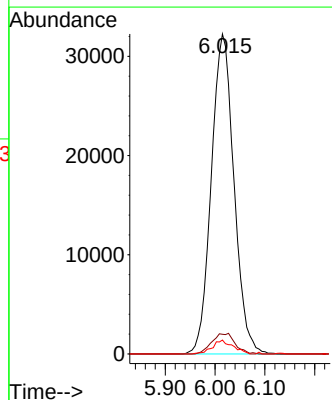
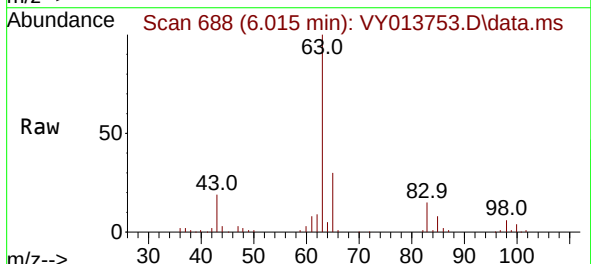
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0516SBS02

Tgt Ion: 43 Resp: 504655  
 Ion Ratio Lower Upper  
 43 100  
 86 9.0 8.5 12.7

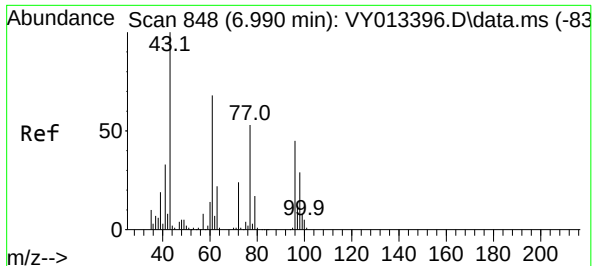


#24  
 1,1-Dichloroethane  
 Concen: 25.386 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.000 min  
 Lab File: VY013753.D  
 Acq: 16 May 2023 12:43

Tgt Ion: 63 Resp: 101773  
 Ion Ratio Lower Upper  
 63 100  
 98 6.1 3.5 10.6  
 100 4.4 2.2 6.6



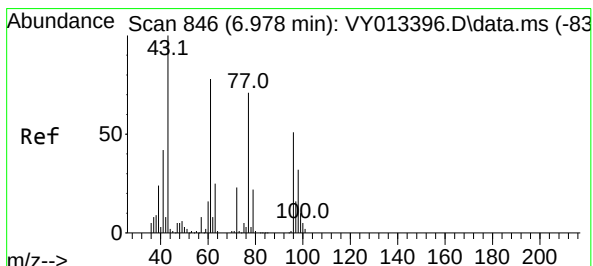
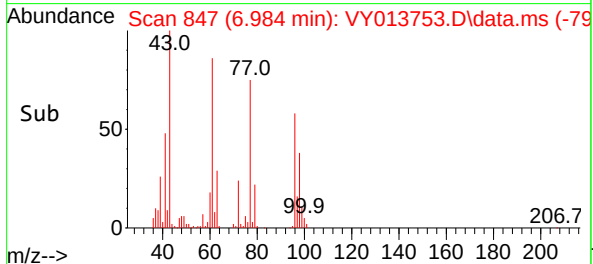
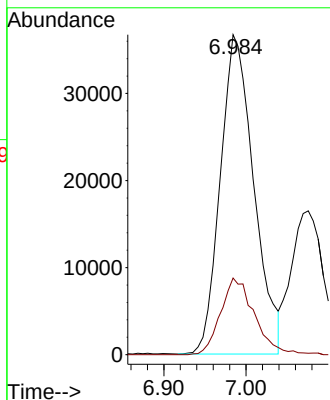
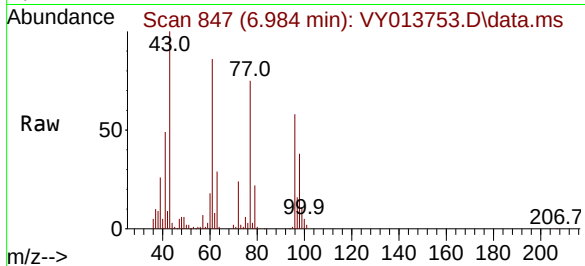




#25  
2-Butanone  
Concen: 99.542 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

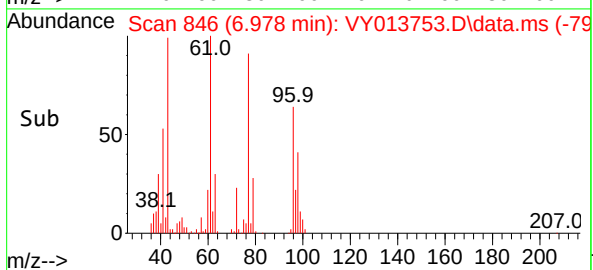
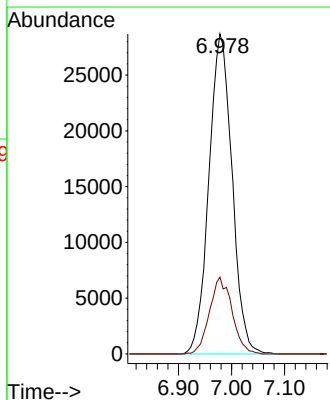
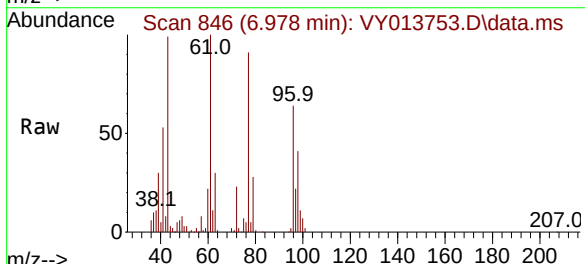
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

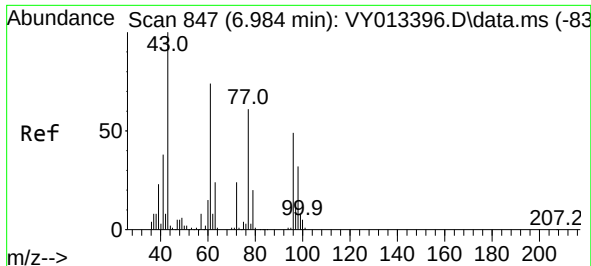
Tgt Ion: 43 Resp: 104008  
Ion Ratio Lower Upper  
43 100  
72 24.0 21.9 32.9



#26  
2,2-Dichloropropane  
Concen: 25.198 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 77 Resp: 87051  
Ion Ratio Lower Upper  
77 100  
97 23.3 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 24.624 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS02

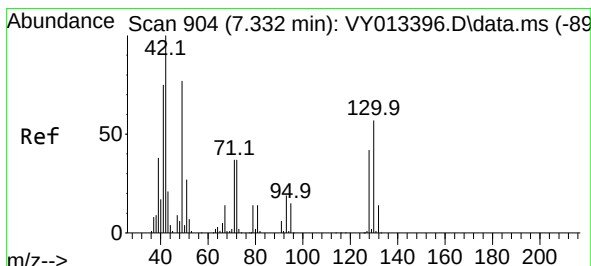
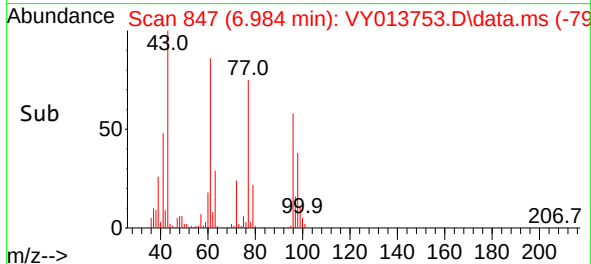
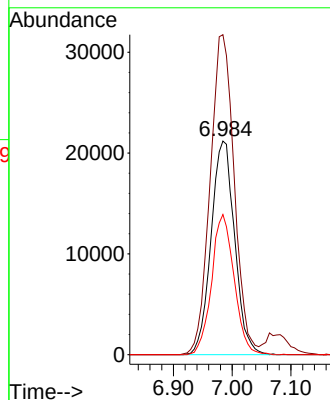
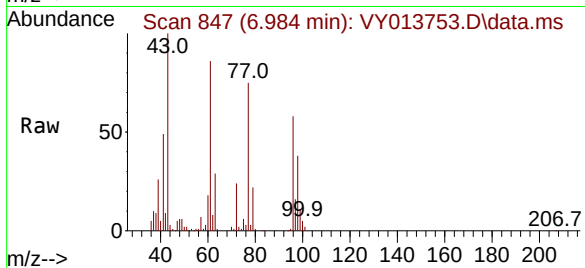
Tgt Ion: 96 Resp: 59001

Ion Ratio Lower Upper

96 100

61 153.2 0.0 285.0

98 62.7 0.0 130.6



#28

Bromochloromethane

Concen: 24.876 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

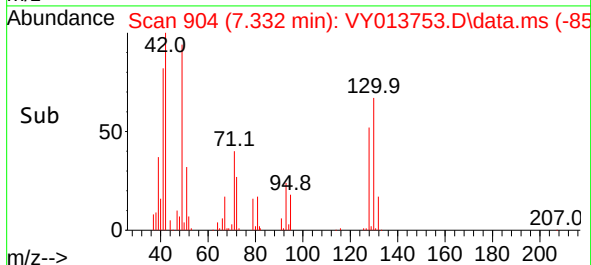
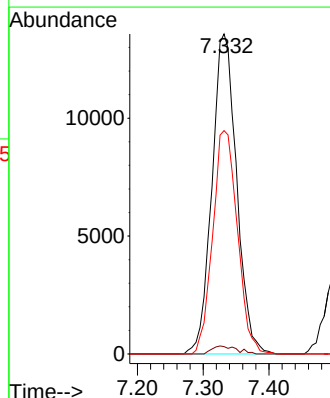
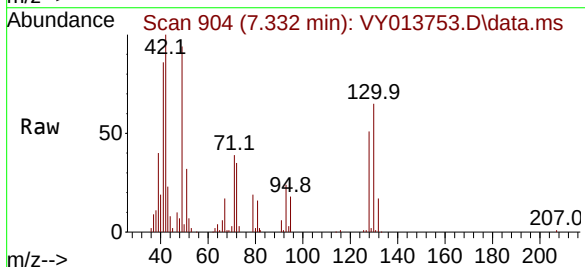
Tgt Ion: 49 Resp: 35390

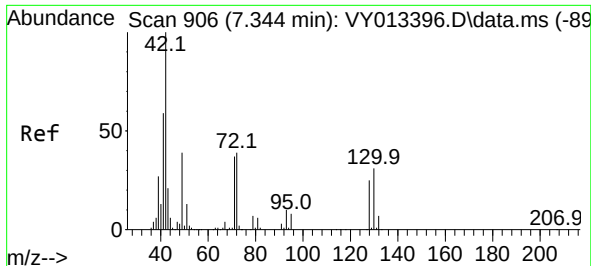
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.2

130 69.9 72.1 108.1#





#29

Tetrahydrofuran

Concen: 99.871 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS02

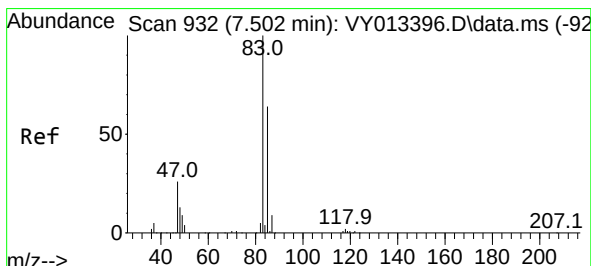
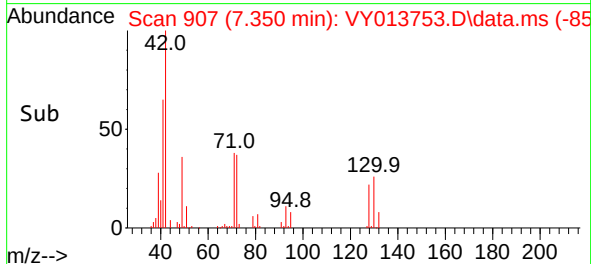
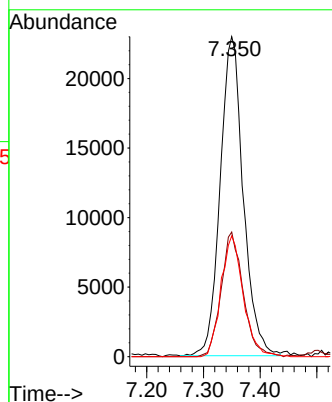
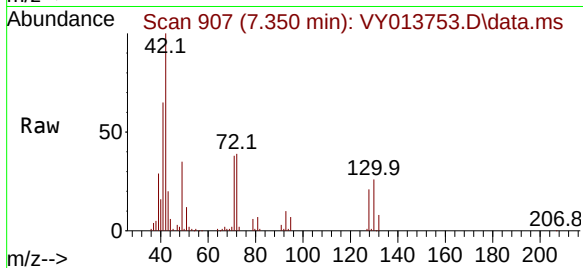
Tgt Ion: 42 Resp: 64957

Ion Ratio Lower Upper

42 100

72 37.3 35.9 53.9

71 36.5 34.3 51.5



#30

Chloroform

Concen: 26.238 ug/l

RT: 7.508 min Scan# 933

Delta R.T. 0.006 min

Lab File: VY013753.D

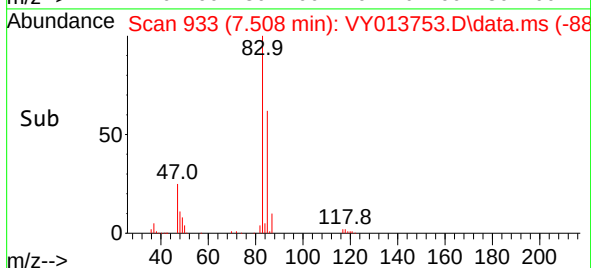
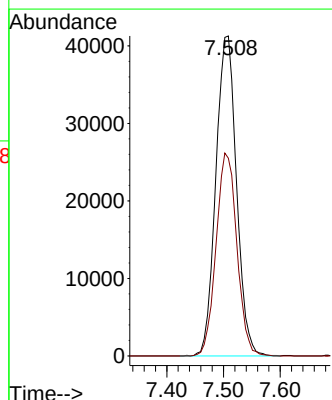
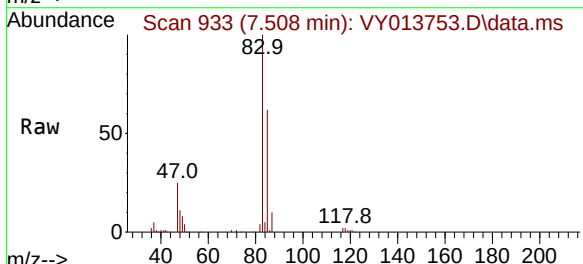
Acq: 16 May 2023 12:43

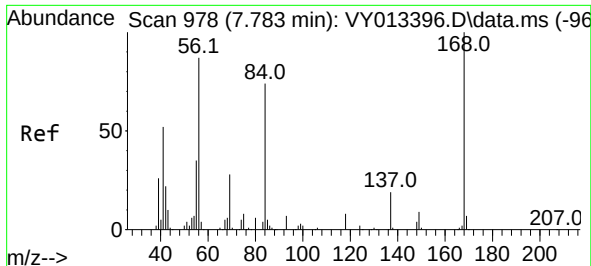
Tgt Ion: 83 Resp: 104587

Ion Ratio Lower Upper

83 100

85 61.8 52.0 78.0

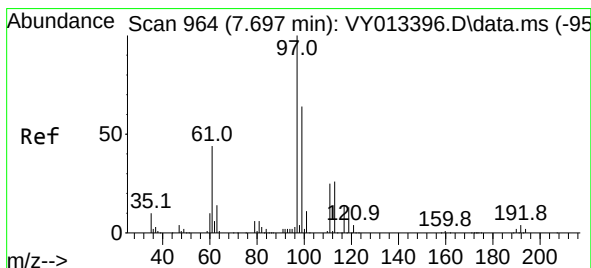
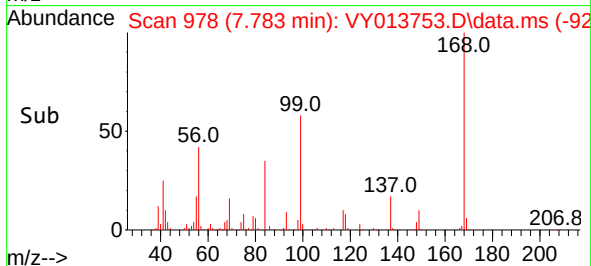
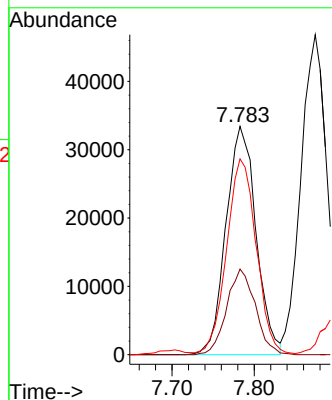
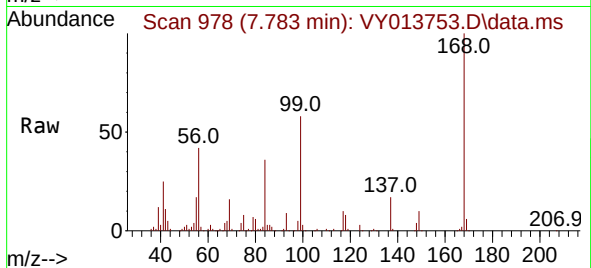




#31  
Cyclohexane  
Concen: 22.664 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

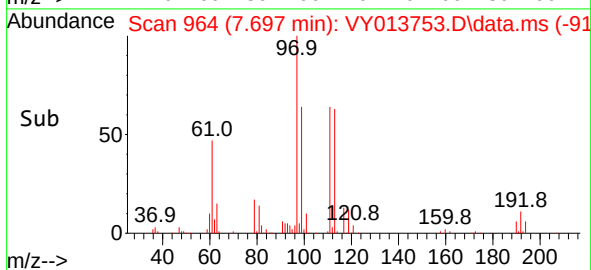
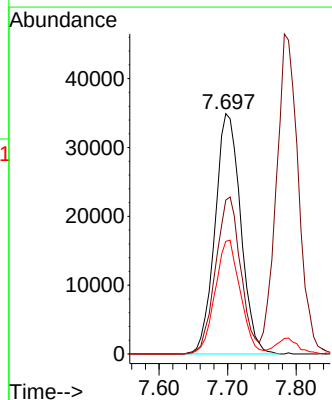
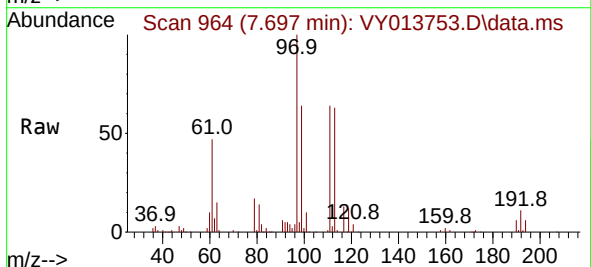
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

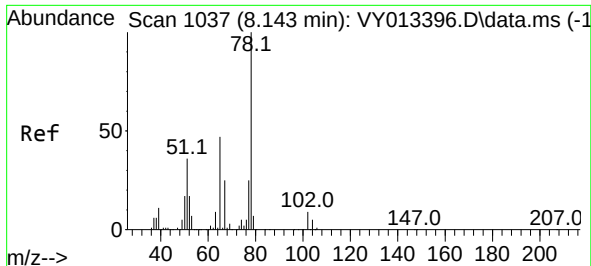
Tgt Ion: 56 Resp: 84892  
Ion Ratio Lower Upper  
56 100  
69 37.5 29.2 43.8  
84 84.1 73.0 109.6



#32  
1,1,1-Trichloroethane  
Concen: 25.518 ug/l  
RT: 7.697 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 97 Resp: 90767  
Ion Ratio Lower Upper  
97 100  
99 64.1 52.2 78.2  
61 46.4 33.8 50.8

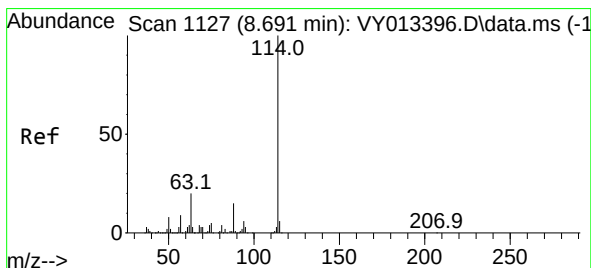
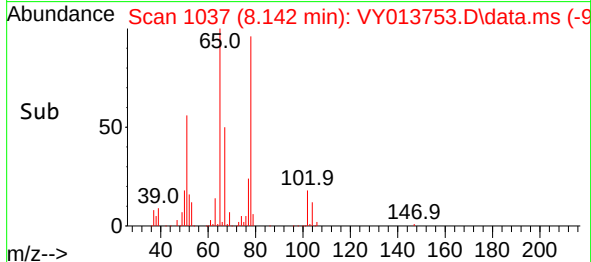
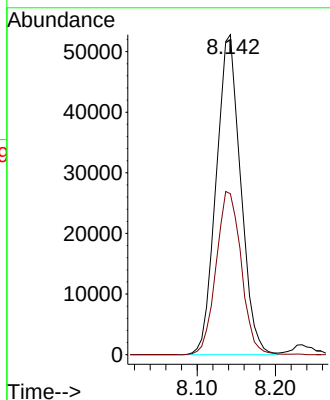
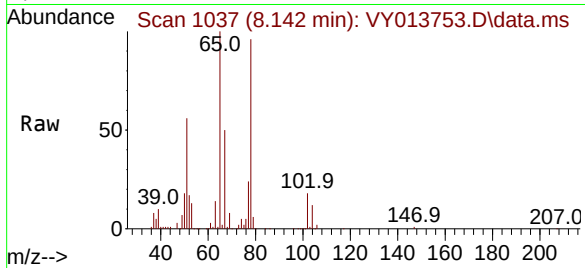




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.820 ug/l  
 RT: 8.142 min Scan# 1037  
 Delta R.T. 0.006 min  
 Lab File: VY013753.D  
 Acq: 16 May 2023 12:43

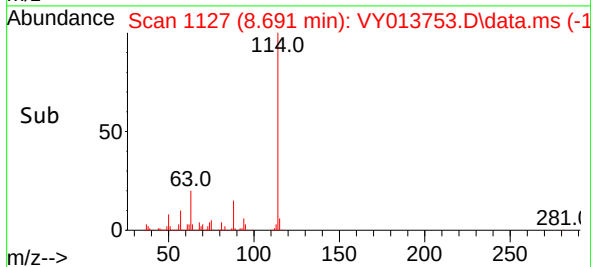
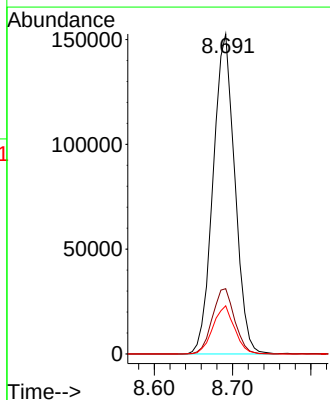
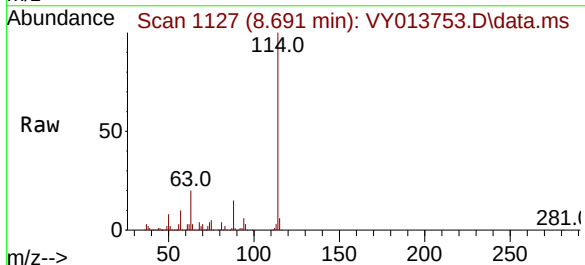
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0516SBS02

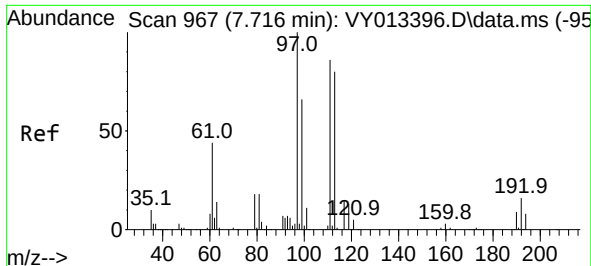
Tgt Ion: 65 Resp: 114688  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 103.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY013753.D  
 Acq: 16 May 2023 12:43

Tgt Ion:114 Resp: 294350  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 36.6  
 88 15.1 0.0 28.8

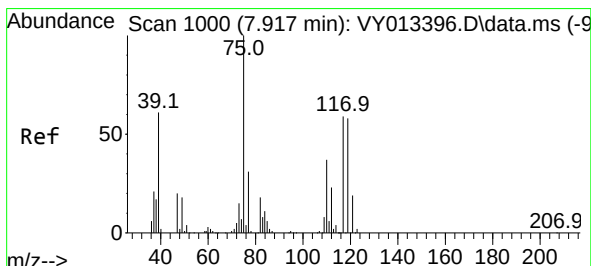
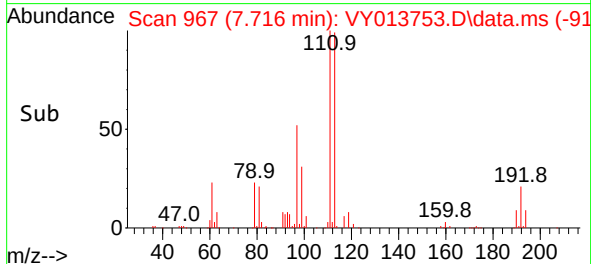
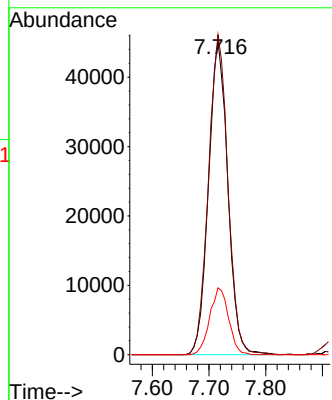
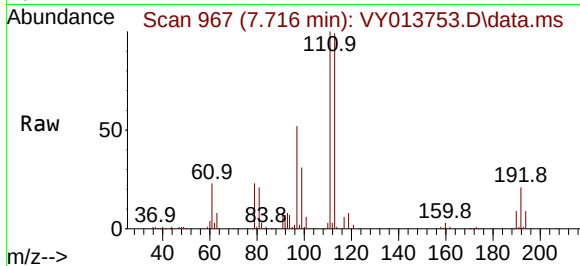




#35  
Dibromofluoromethane  
Concen: 57.603 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

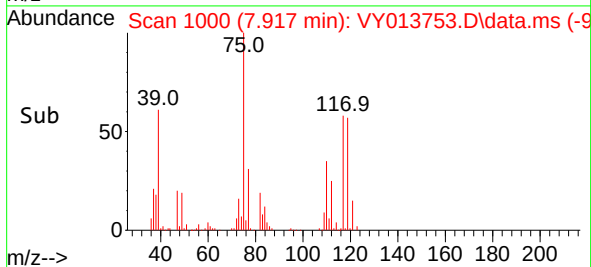
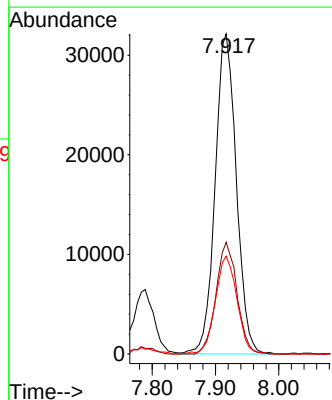
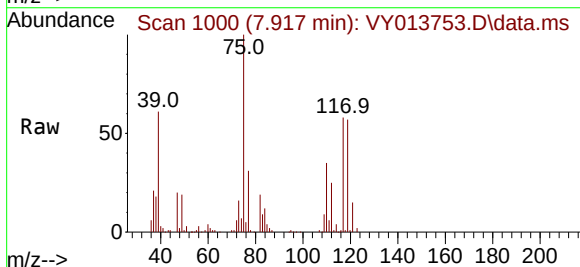
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

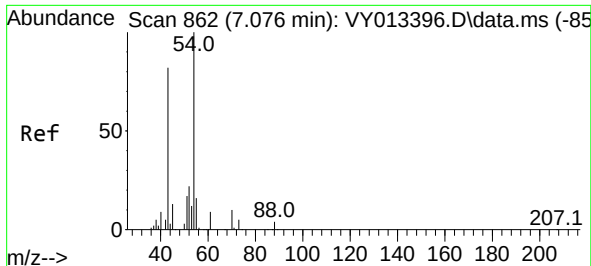
Tgt Ion:113 Resp: 106642  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.2 123.2  
192 20.8 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 24.303 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 75 Resp: 74673  
Ion Ratio Lower Upper  
75 100  
110 34.4 18.7 56.1  
77 31.2 24.6 37.0

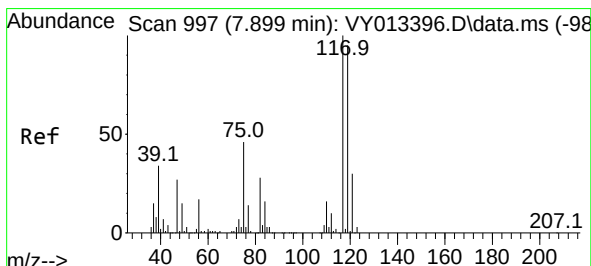
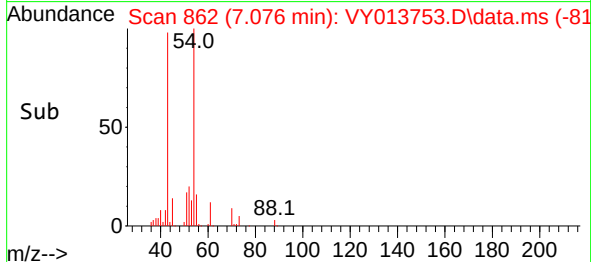
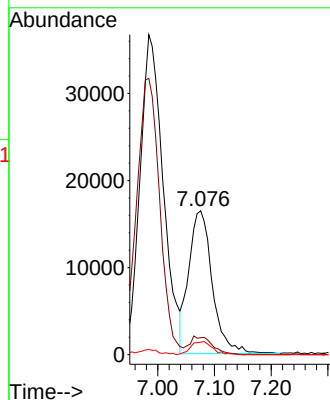
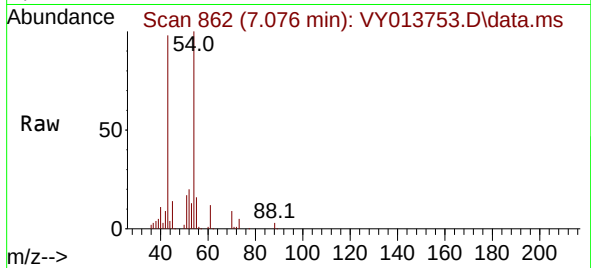




#37  
Ethyl Acetate  
Concen: 20.480 ug/l  
RT: 7.076 min Scan# 862  
Delta R.T. 0.007 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

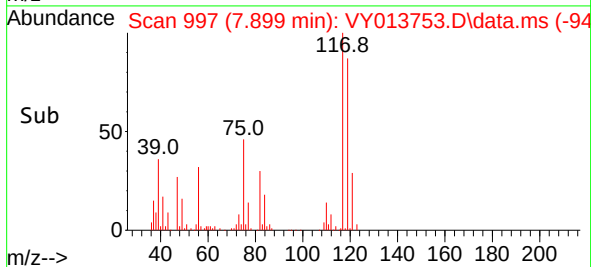
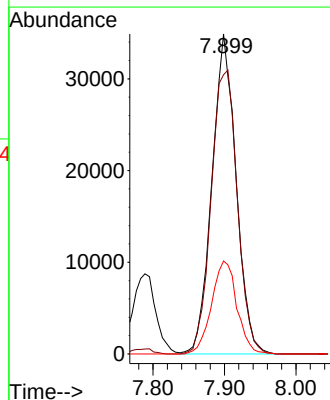
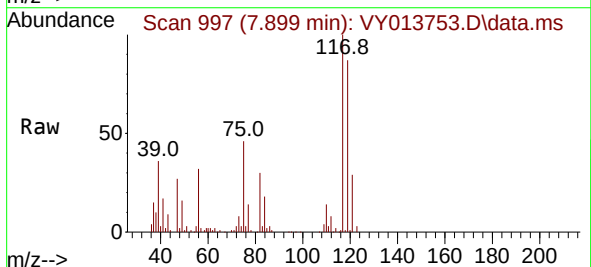
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

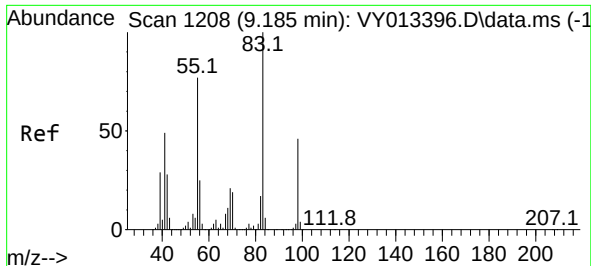
Tgt Ion: 43 Resp: 47353  
Ion Ratio Lower Upper  
43 100  
61 12.3 11.4 17.0  
70 8.4 7.9 11.9



#38  
Carbon Tetrachloride  
Concen: 25.424 ug/l  
RT: 7.899 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 117 Resp: 81874  
Ion Ratio Lower Upper  
117 100  
119 87.3 79.0 118.6  
121 29.0 26.6 40.0





#39

Methylcyclohexane

Concen: 22.997 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS02

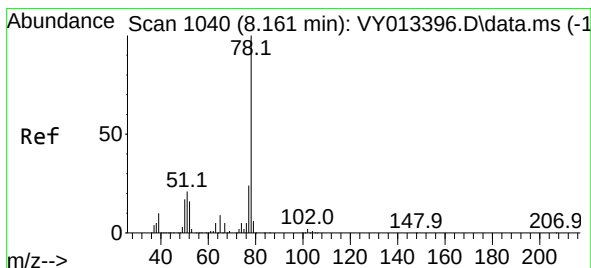
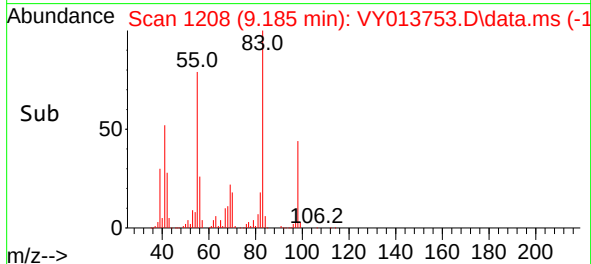
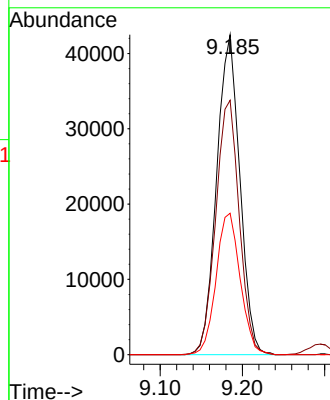
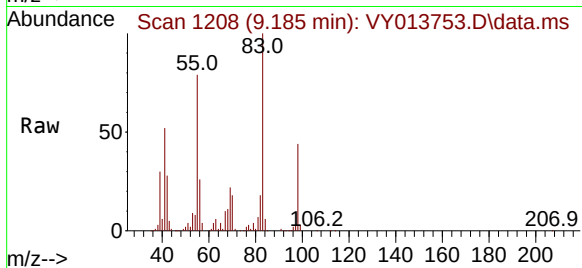
Tgt Ion: 83 Resp: 83300

Ion Ratio Lower Upper

83 100

55 79.5 59.0 88.4

98 44.2 37.0 55.4



#40

Benzene

Concen: 25.026 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY013753.D

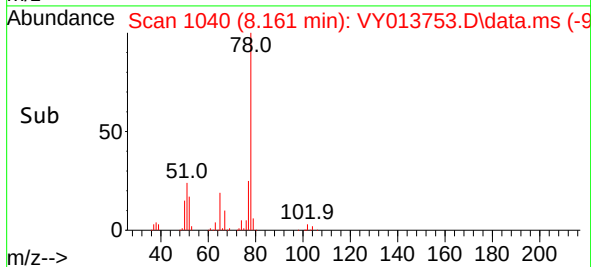
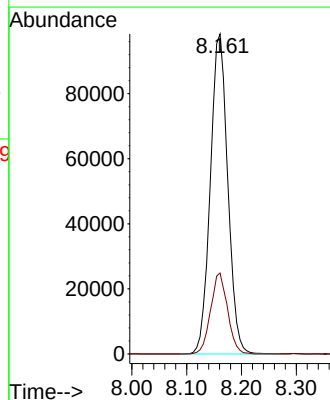
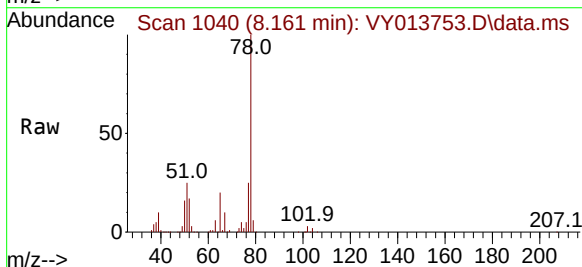
Acq: 16 May 2023 12:43

Tgt Ion: 78 Resp: 216601

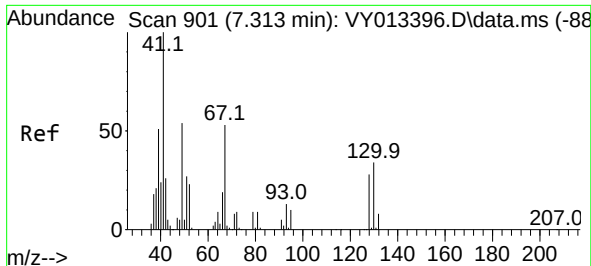
Ion Ratio Lower Upper

78 100

77 25.3 19.2 28.8



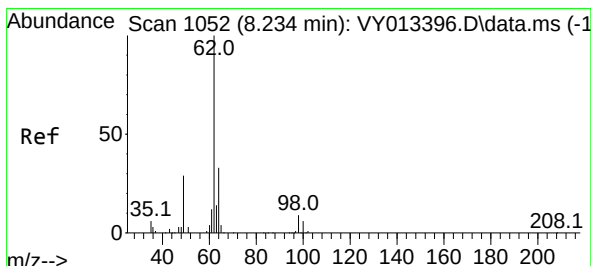
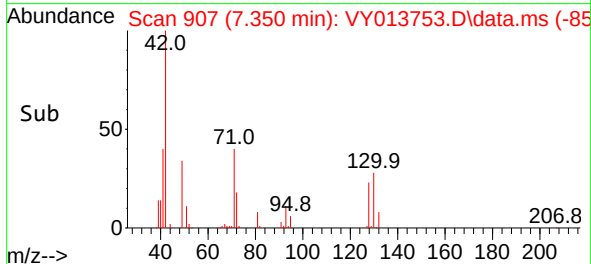
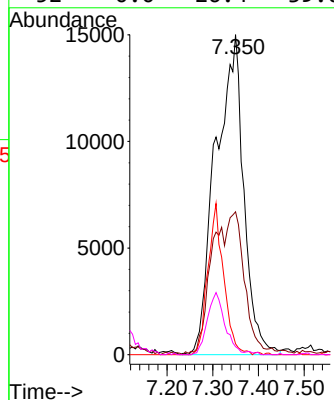
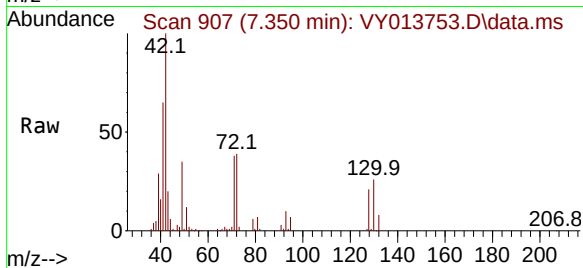




#41  
Methacrylonitrile  
Concen: 59.279 ug/l  
RT: 7.350 min Scan# 901  
Delta R.T. 0.043 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

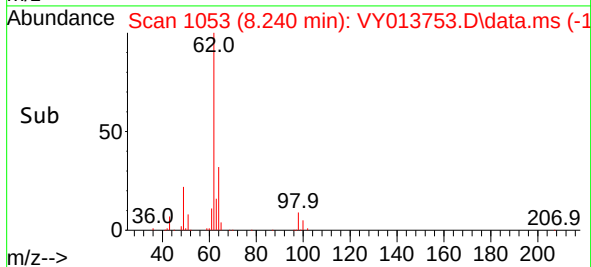
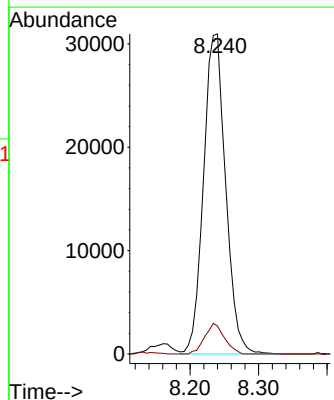
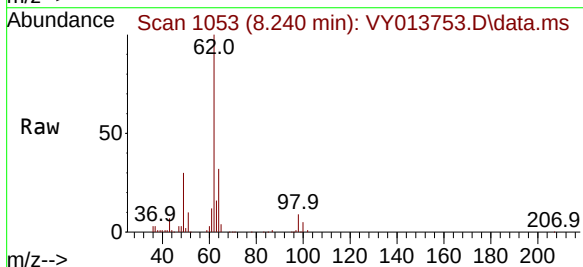
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

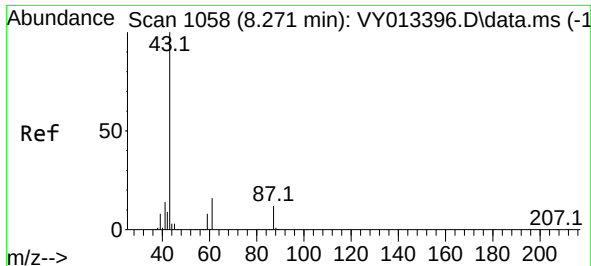
Tgt Ion: 41 Resp: 63871  
Ion Ratio Lower Upper  
41 100  
39 0.0 44.2 66.4#  
67 0.0 62.9 94.3#  
52 0.0 26.4 39.6#



#42  
1,2-Dichloroethane  
Concen: 24.574 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. 0.006 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 62 Resp: 69534  
Ion Ratio Lower Upper  
62 100  
98 8.5 0.0 17.8

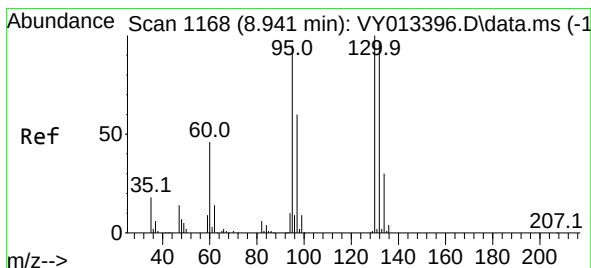
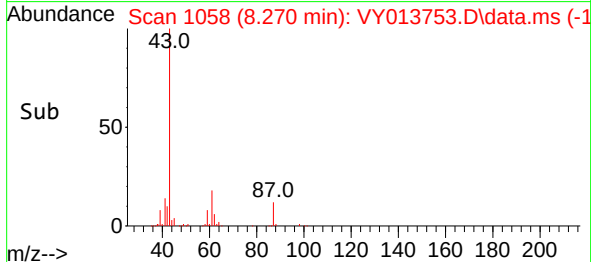
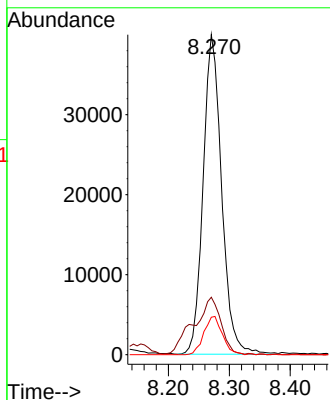
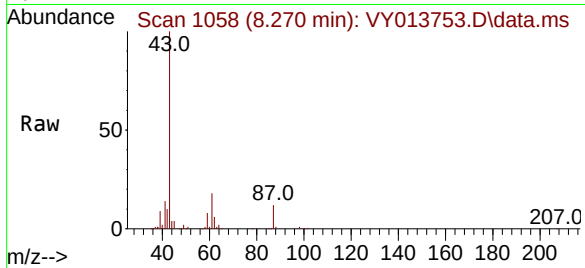




#43  
Isopropyl Acetate  
Concen: 21.642 ug/l  
RT: 8.270 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

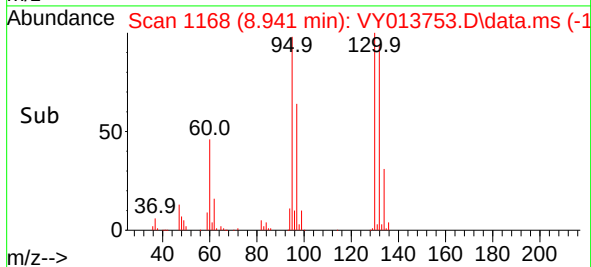
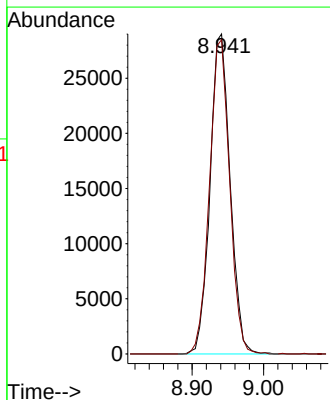
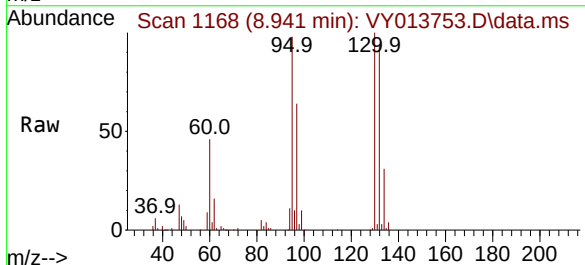
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

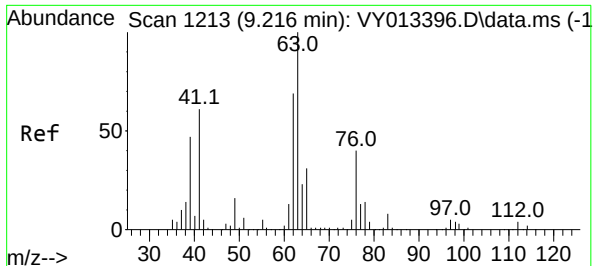
Tgt Ion: 43 Resp: 84462  
Ion Ratio Lower Upper  
43 100  
61 26.7 22.2 33.4  
87 12.0 11.0 16.6



#44  
Trichloroethene  
Concen: 24.602 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.006 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 130 Resp: 56640  
Ion Ratio Lower Upper  
130 100  
95 98.2 0.0 188.8





#45

1,2-Dichloropropane

Concen: 25.945 ug/l

RT: 9.215 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

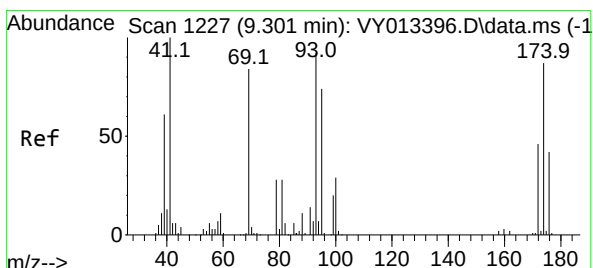
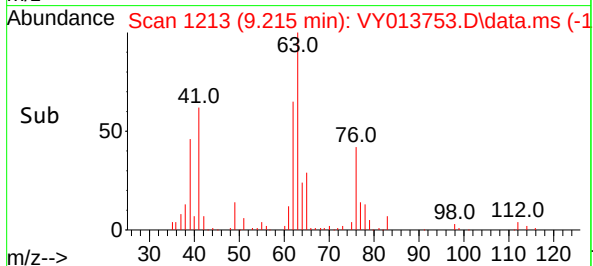
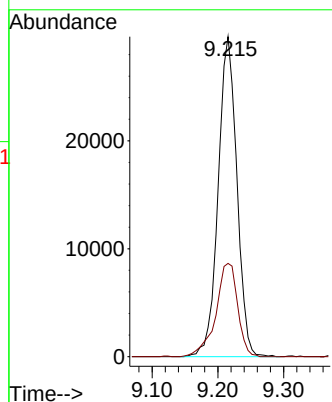
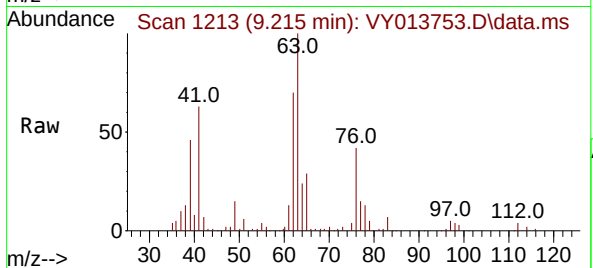
VY0516SBS02

Tgt Ion: 63 Resp: 58713

Ion Ratio Lower Upper

63 100

65 29.2 24.6 37.0



#46

Dibromomethane

Concen: 23.801 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

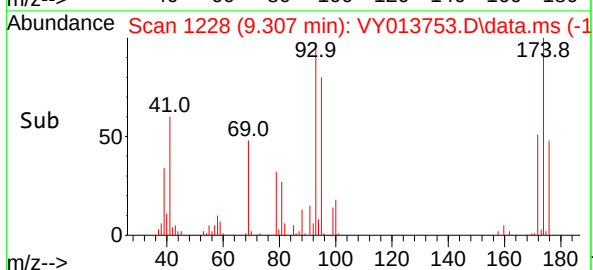
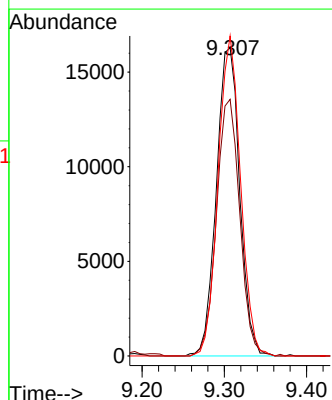
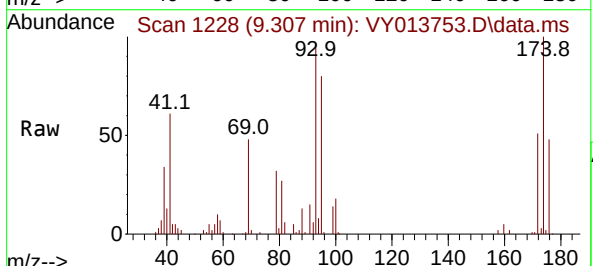
Tgt Ion: 93 Resp: 32227

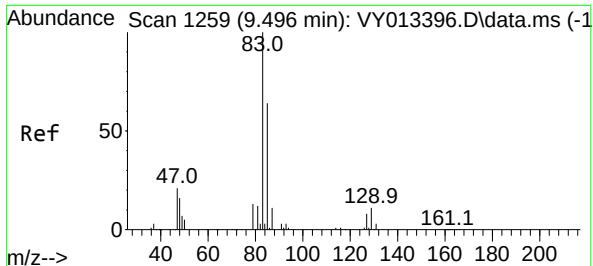
Ion Ratio Lower Upper

93 100

95 83.1 67.1 100.7

174 99.6 87.0 130.4





#47

Bromodichloromethane

Concen: 25.644 ug/l

RT: 9.496 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS02

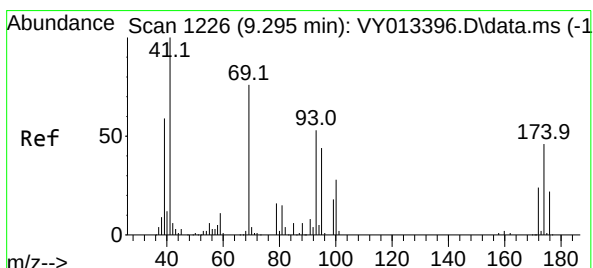
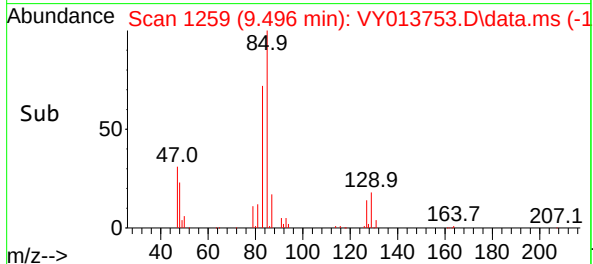
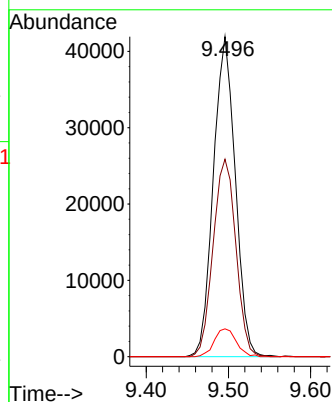
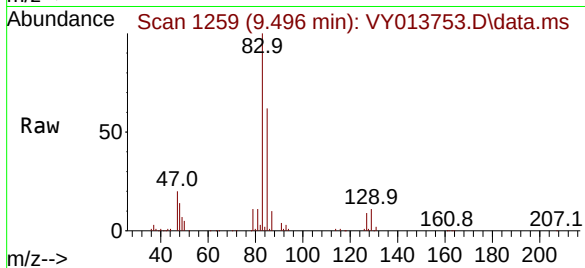
Tgt Ion: 83 Resp: 77696

Ion Ratio Lower Upper

83 100

85 61.7 51.4 77.2

127 8.7 8.1 12.1



#48

Methyl methacrylate

Concen: 21.173 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.006 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

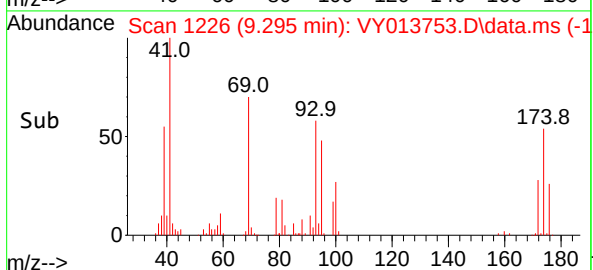
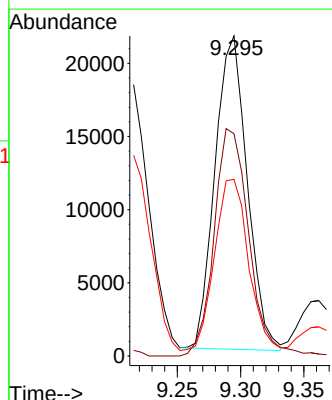
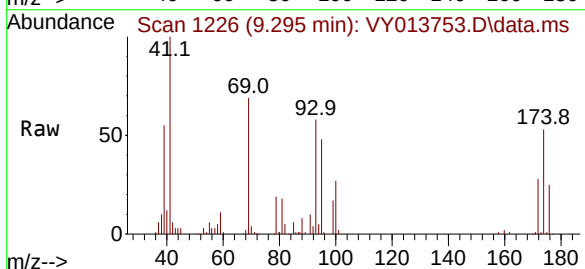
Tgt Ion: 41 Resp: 37950

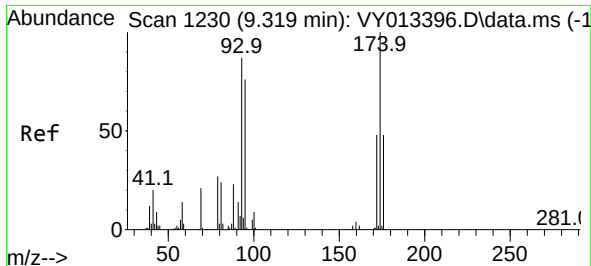
Ion Ratio Lower Upper

41 100

69 78.6 70.2 105.4

39 57.7 47.9 71.9

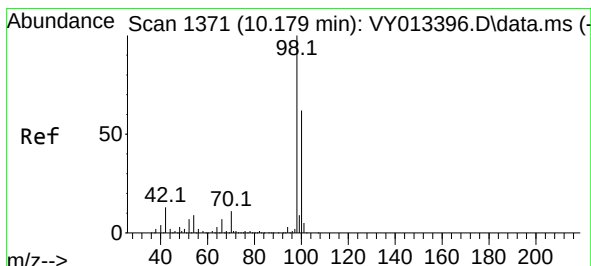
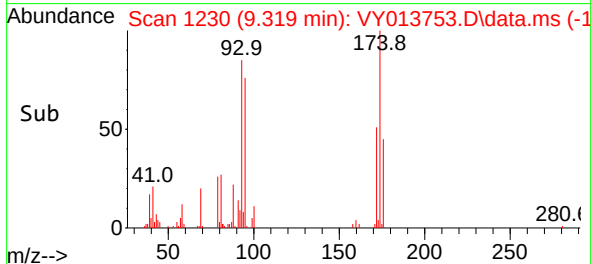
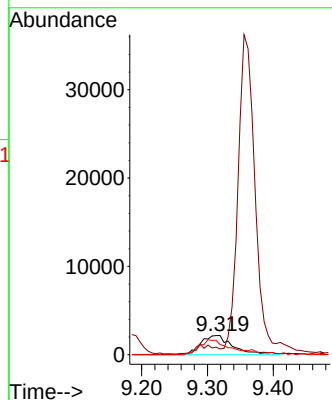
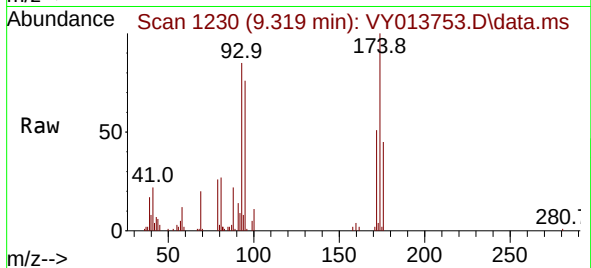




#49  
1,4-Dioxane  
Concen: 383.644 ug/l  
RT: 9.319 min Scan# 1230  
Delta R.T. 0.012 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

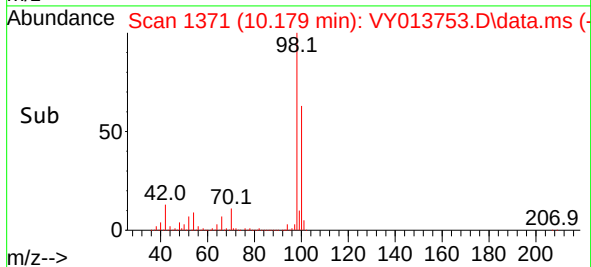
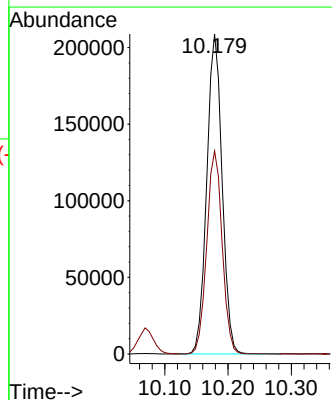
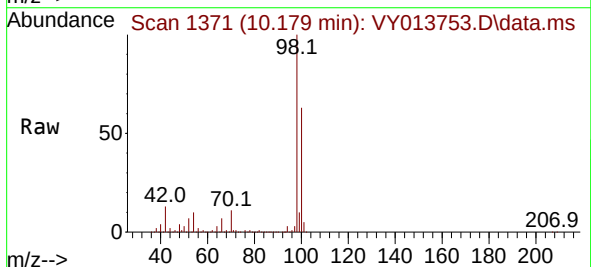
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

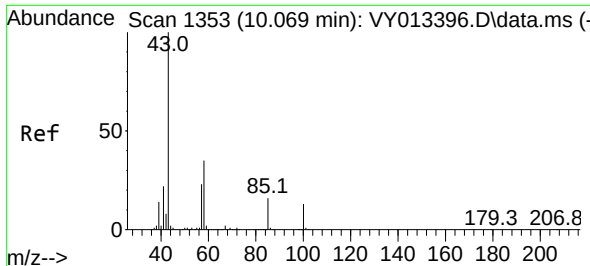
Tgt Ion: 88 Resp: 7419  
Ion Ratio Lower Upper  
88 100  
43 0.0 16.8 25.2#  
58 0.0 54.3 81.5#



#50  
Toluene-d8  
Concen: 53.401 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 98 Resp: 351696  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.5 75.7





#51

4-Methyl-2-Pentanone

Concen: 105.617 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. -0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

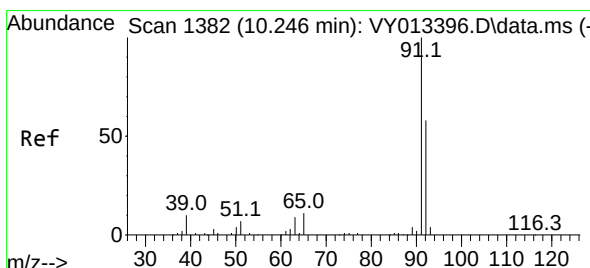
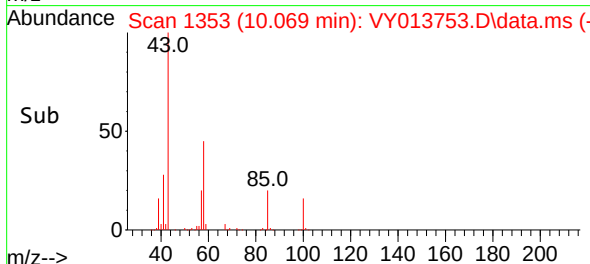
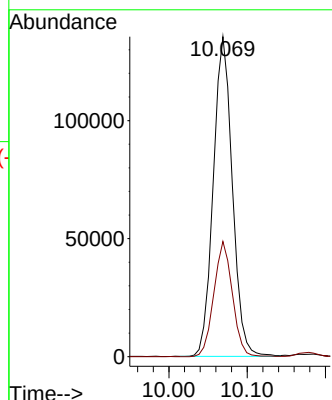
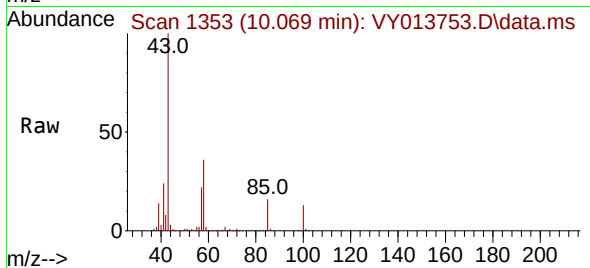
VY0516SBS02

Tgt Ion: 43 Resp: 229693

Ion Ratio Lower Upper

43 100

58 35.1 30.6 46.0



#52

Toluene

Concen: 25.764 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY013753.D

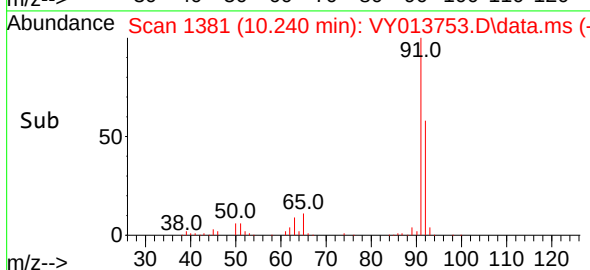
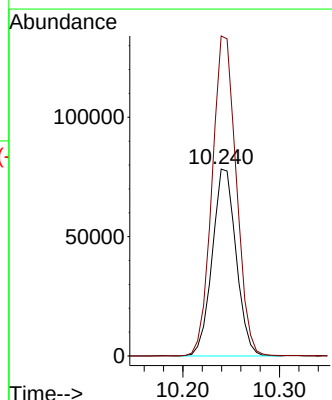
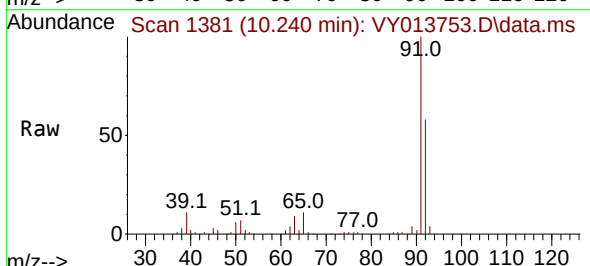
Acq: 16 May 2023 12:43

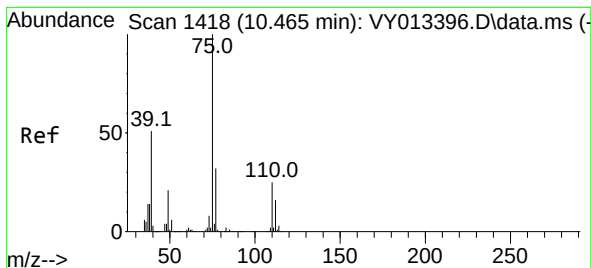
Tgt Ion: 92 Resp: 134186

Ion Ratio Lower Upper

92 100

91 174.1 140.2 210.4

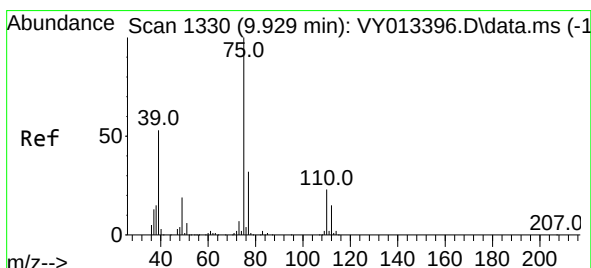
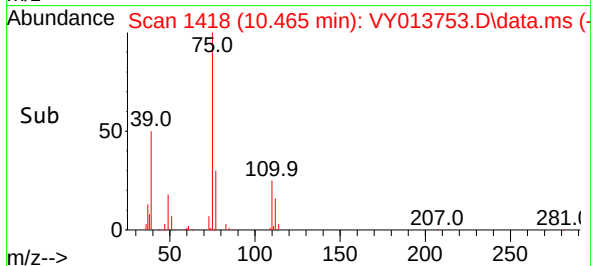
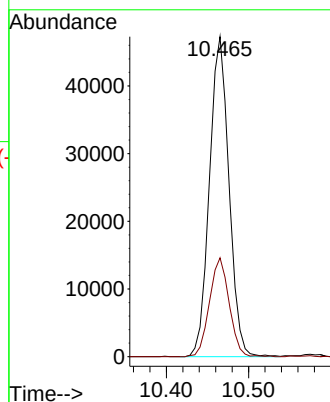
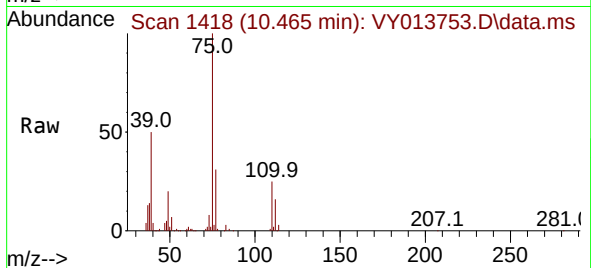




#53  
t-1,3-Dichloropropene  
Concen: 24.326 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

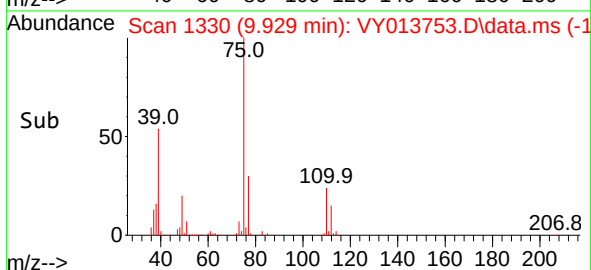
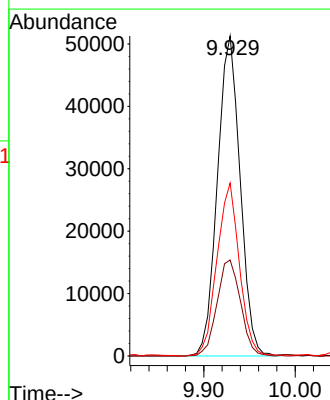
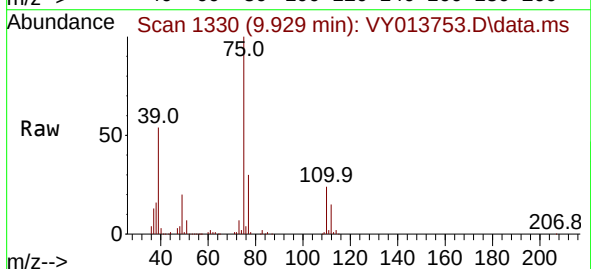
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

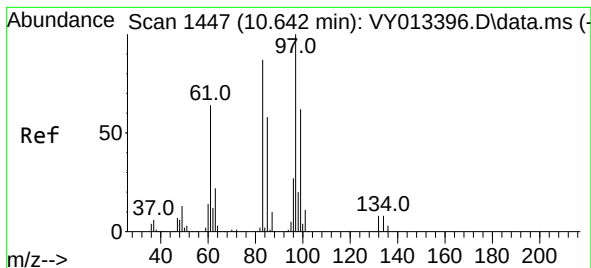
Tgt Ion: 75 Resp: 78002  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.8 38.8



#54  
cis-1,3-Dichloropropene  
Concen: 24.565 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 75 Resp: 88635  
Ion Ratio Lower Upper  
75 100  
77 30.0 24.8 37.2  
39 54.0 38.1 57.1

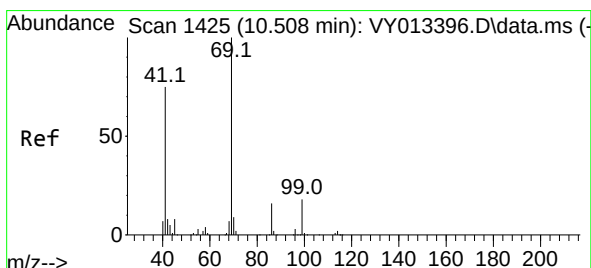
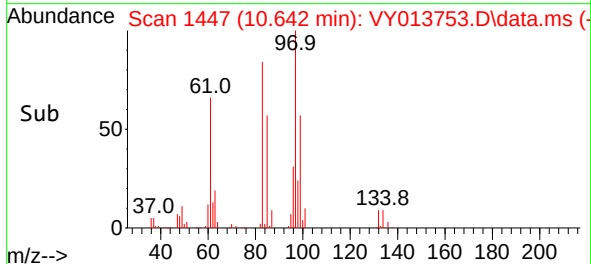
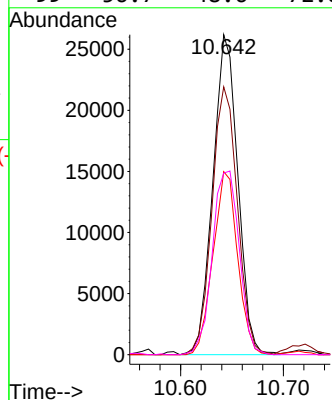
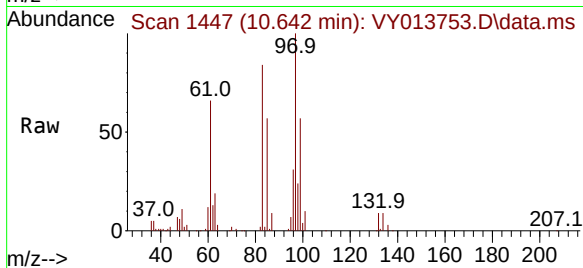




#55  
1,1,2-Trichloroethane  
Concen: 24.587 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

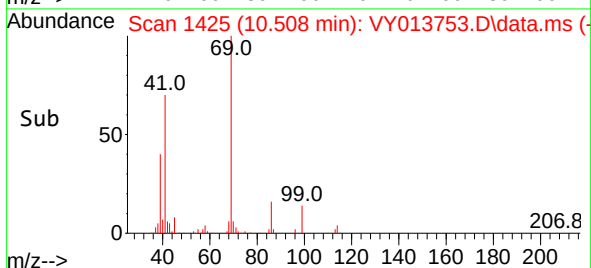
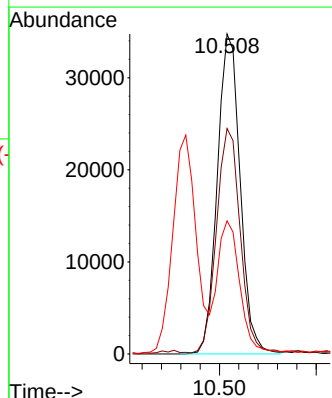
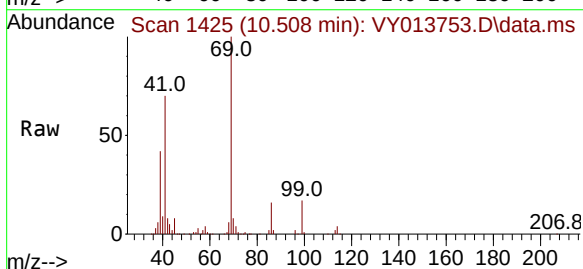
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 44088 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.7  | 66.4  | 99.6  |
| 85       | 57.2  | 45.6  | 68.4  |
| 99       | 56.7  | 48.6  | 72.8  |

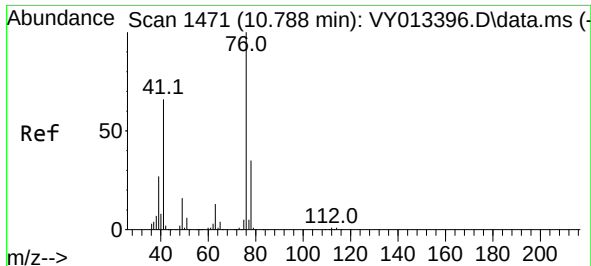


#56  
Ethyl methacrylate  
Concen: 22.897 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 56961 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 72.5  | 51.4  | 77.0  |
| 39       | 39.9  | 29.0  | 43.6  |







#57

1,3-Dichloropropane

Concen: 24.803 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

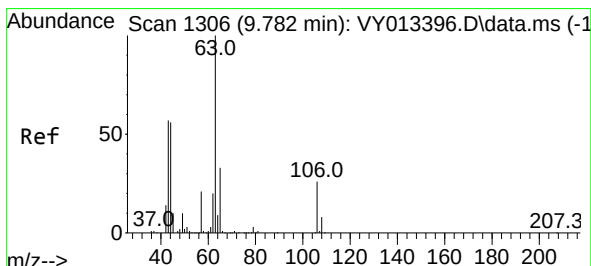
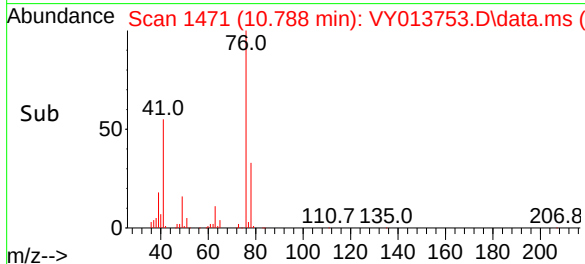
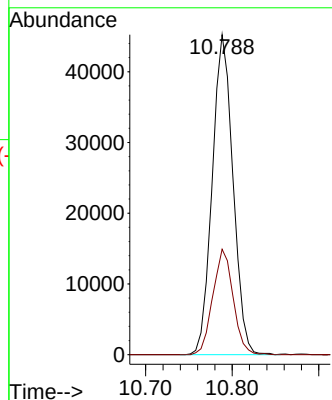
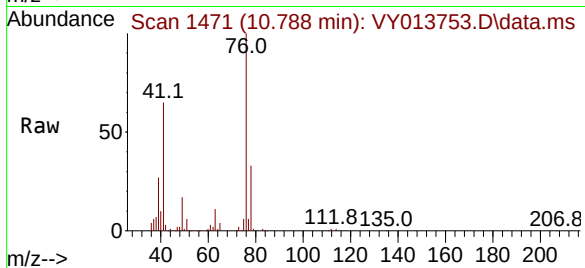
VY0516SBS02

Tgt Ion: 76 Resp: 75323

Ion Ratio Lower Upper

76 100

78 32.3 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 119.634 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY013753.D

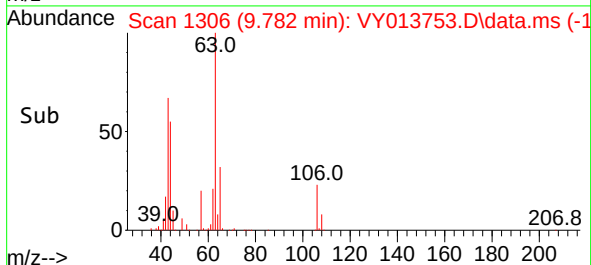
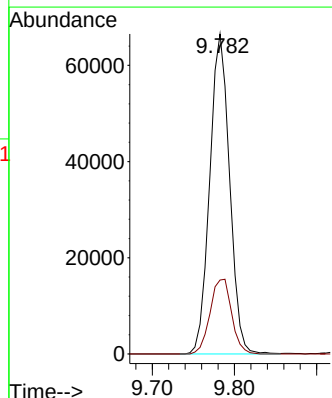
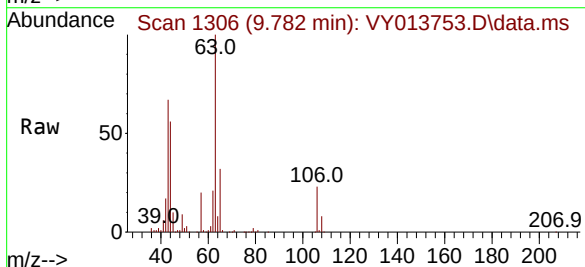
Acq: 16 May 2023 12:43

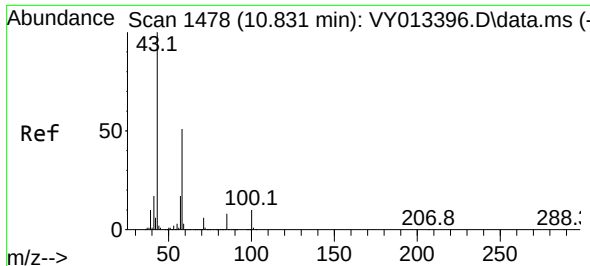
Tgt Ion: 63 Resp: 111599

Ion Ratio Lower Upper

63 100

106 25.3 23.5 35.3

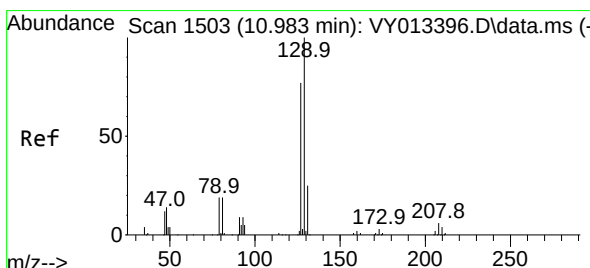
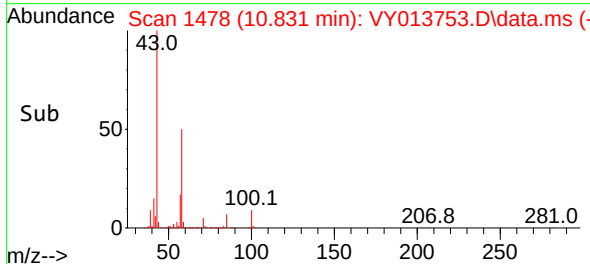
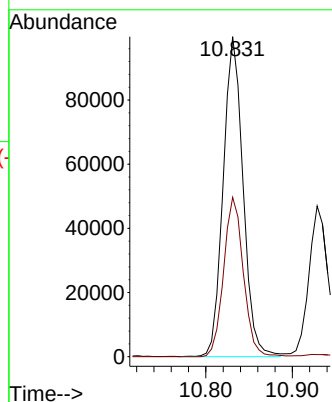
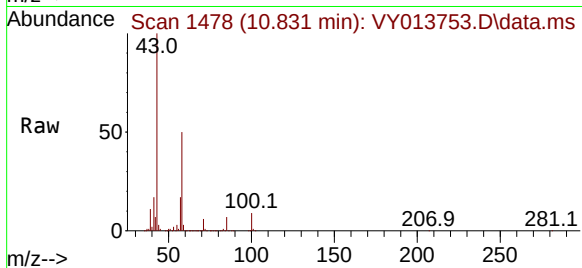




#59  
2-Hexanone  
Concen: 100.740 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

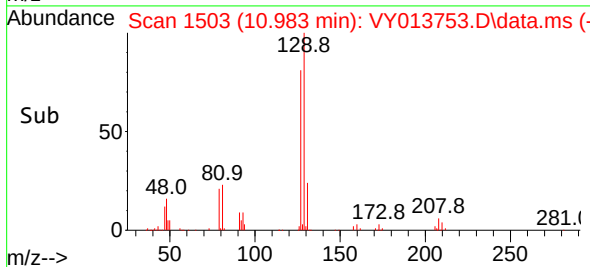
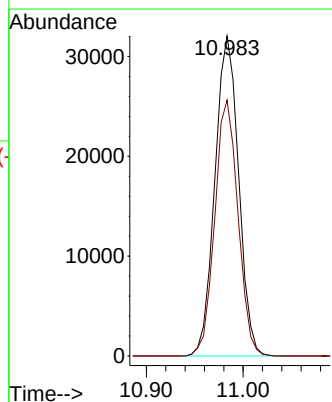
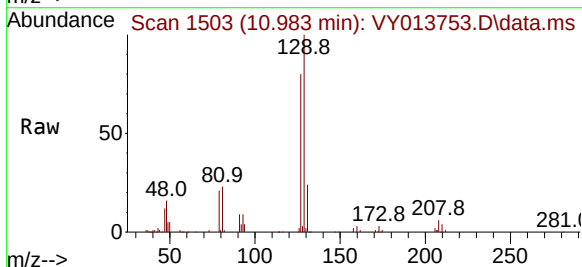
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

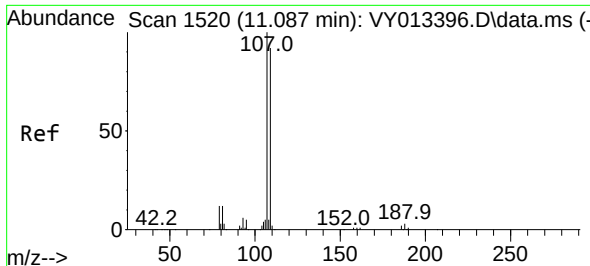
Tgt Ion: 43 Resp: 159258  
Ion Ratio Lower Upper  
43 100  
58 49.4 26.3 78.8



#60  
Dibromochloromethane  
Concen: 25.004 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion:129 Resp: 54441  
Ion Ratio Lower Upper  
129 100  
127 78.4 38.7 116.1

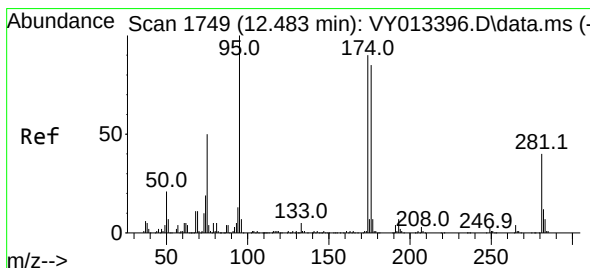
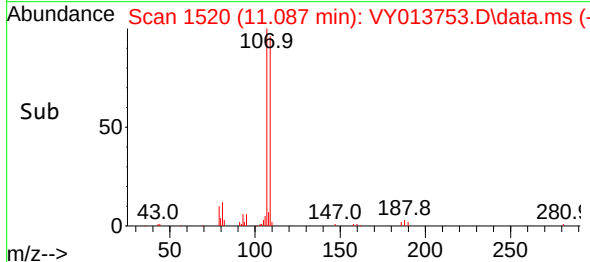
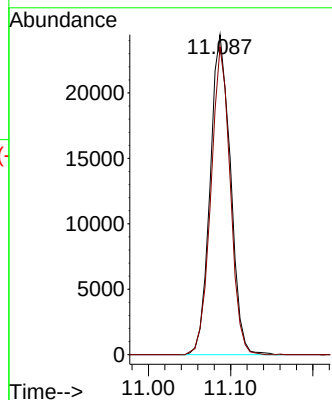
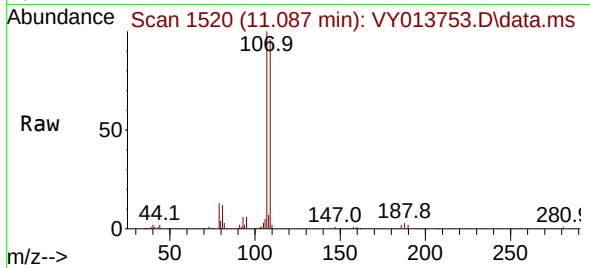




#61  
1,2-Dibromoethane  
Concen: 23.789 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

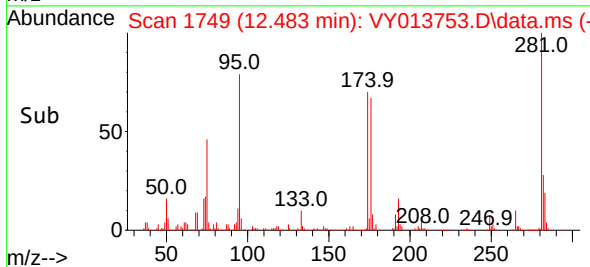
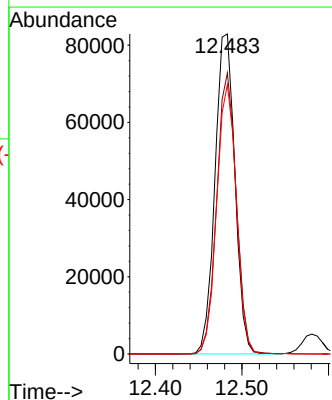
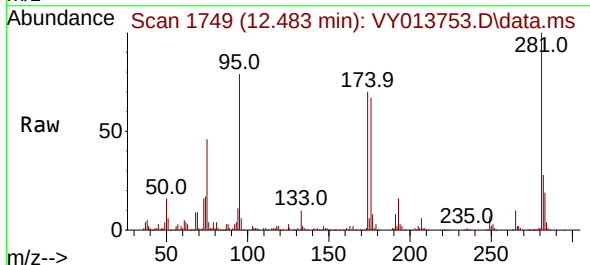
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

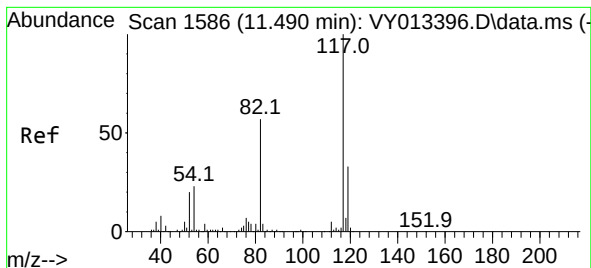
Tgt Ion:107 Resp: 41938  
Ion Ratio Lower Upper  
107 100  
109 91.3 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 59.739 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 95 Resp: 132637  
Ion Ratio Lower Upper  
95 100  
174 86.1 0.0 182.0  
176 83.1 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS02

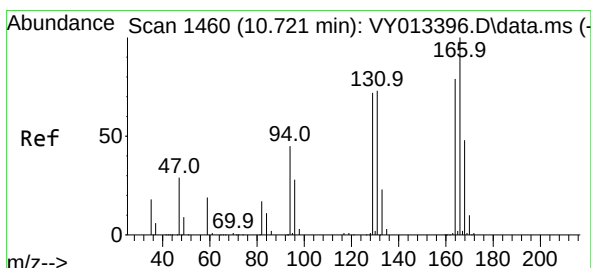
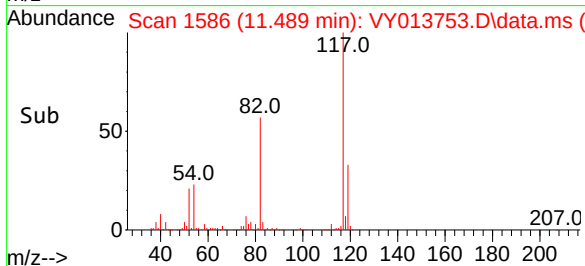
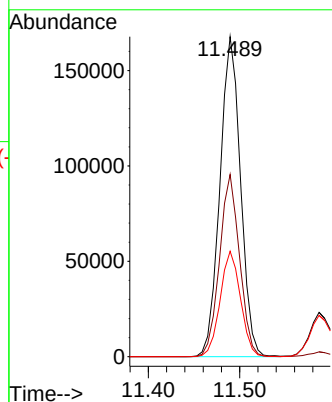
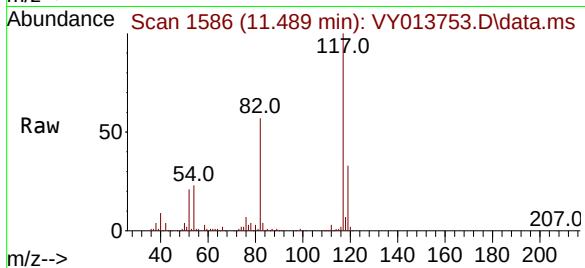
Tgt Ion:117 Resp: 263184

Ion Ratio Lower Upper

117 100

82 56.9 43.0 64.6

119 32.9 25.5 38.3



#64

Tetrachloroethene

Concen: 24.223 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Tgt Ion:164 Resp: 48477

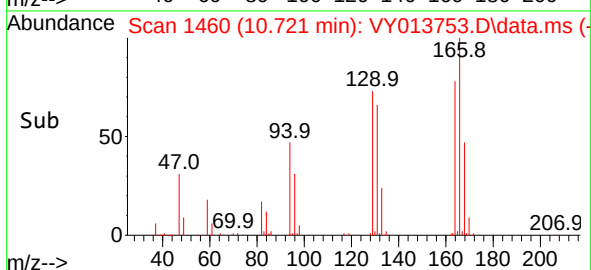
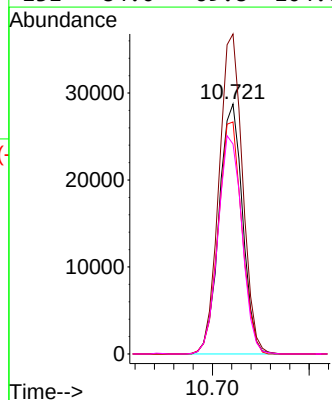
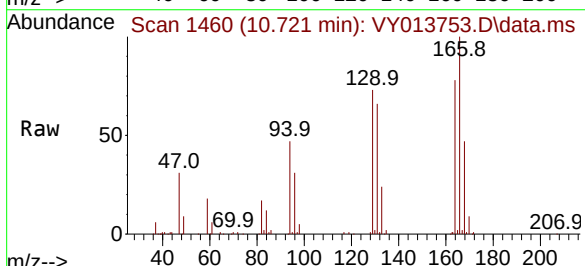
Ion Ratio Lower Upper

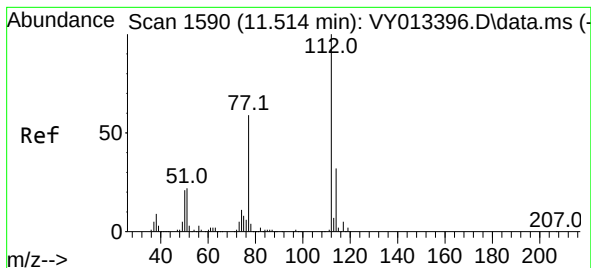
164 100

166 128.0 97.5 146.3

129 92.8 72.6 109.0

131 84.0 69.8 104.6

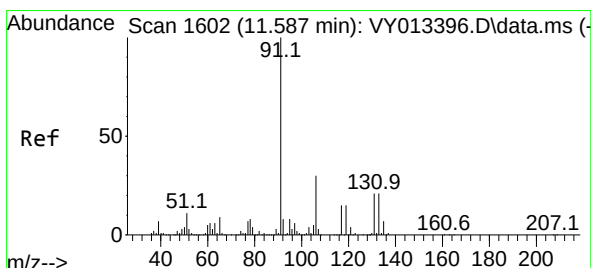
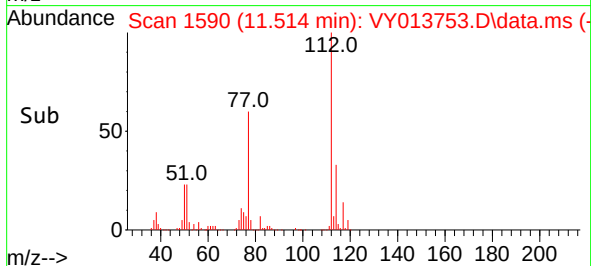
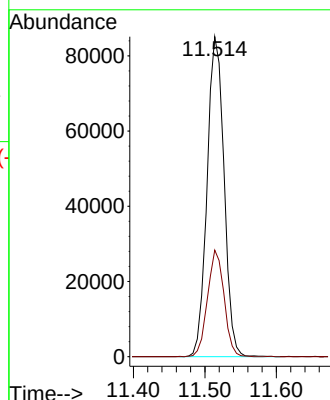
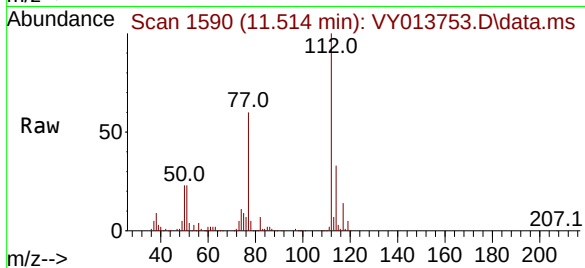




#65  
Chlorobenzene  
Concen: 24.436 ug/l  
RT: 11.514 min Scan# 111  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

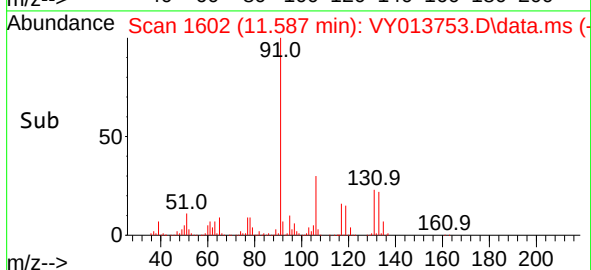
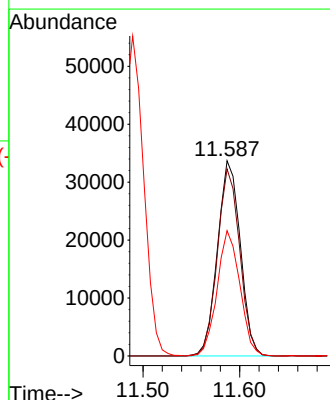
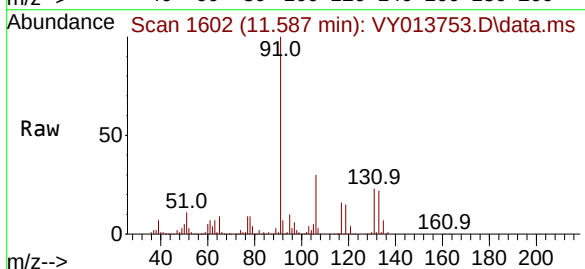
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

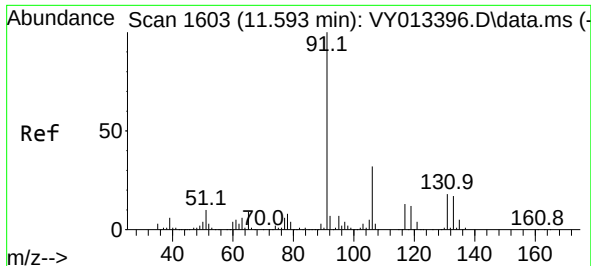
Tgt Ion:112 Resp: 140093  
Ion Ratio Lower Upper  
112 100  
114 33.3 24.9 37.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 25.692 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion:131 Resp: 55088  
Ion Ratio Lower Upper  
131 100  
133 94.5 47.7 143.1  
119 64.2 32.6 98.0

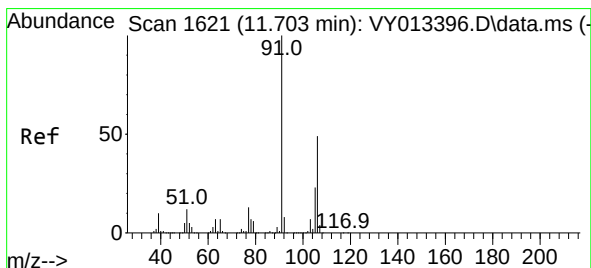
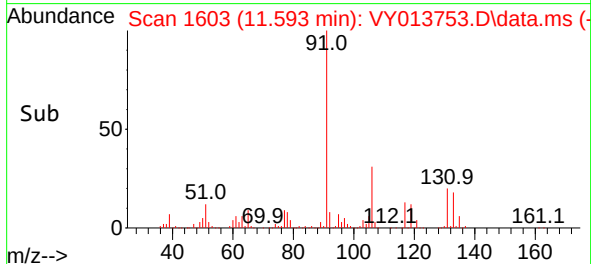
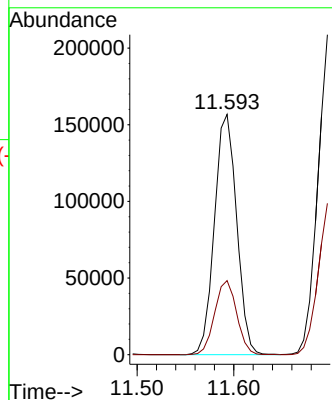
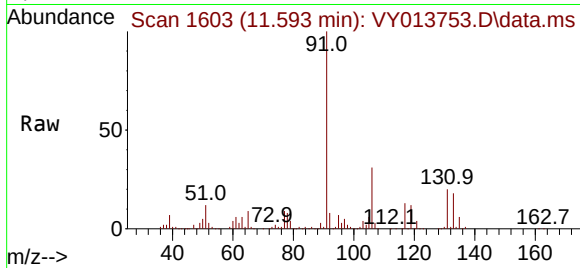




#67  
Ethyl Benzene  
Concen: 24.825 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

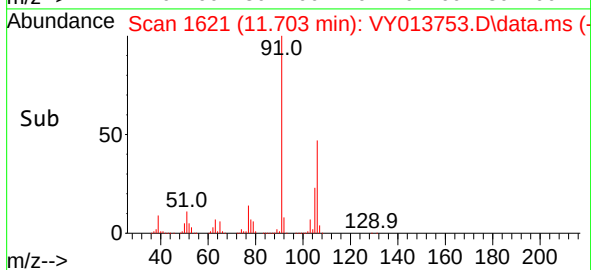
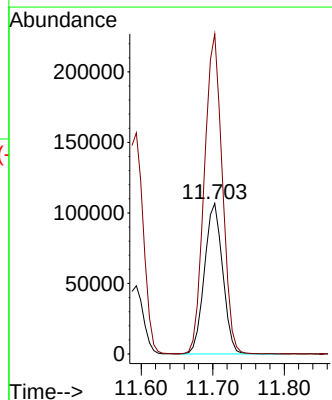
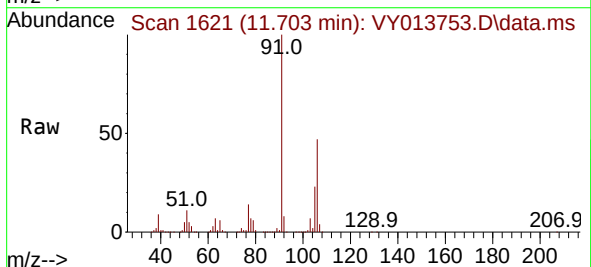
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

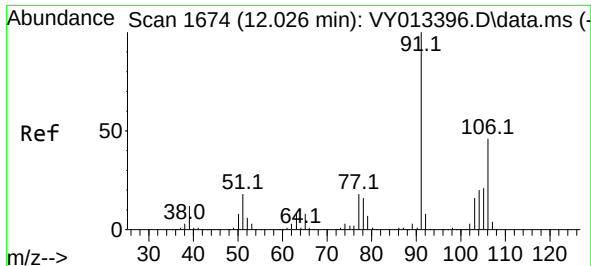
Tgt Ion: 91 Resp: 249928  
Ion Ratio Lower Upper  
91 100  
106 30.8 25.1 37.7



#68  
m/p-Xylenes  
Concen: 49.302 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 106 Resp: 188687  
Ion Ratio Lower Upper  
106 100  
91 209.6 160.9 241.3

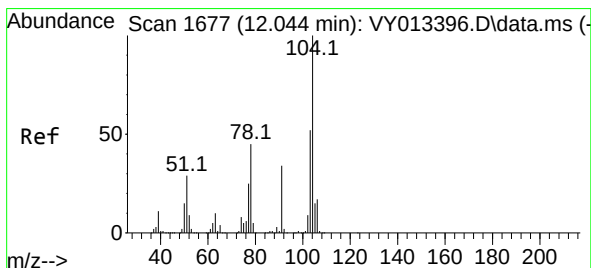
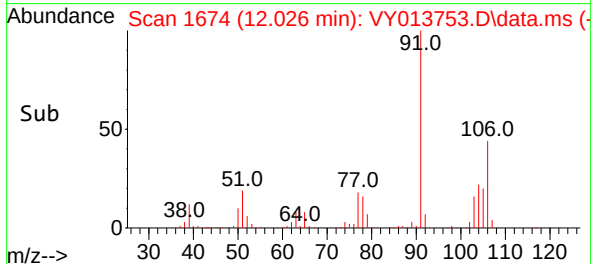
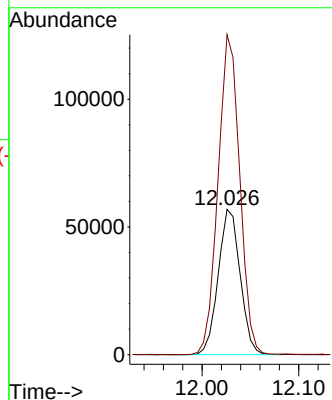
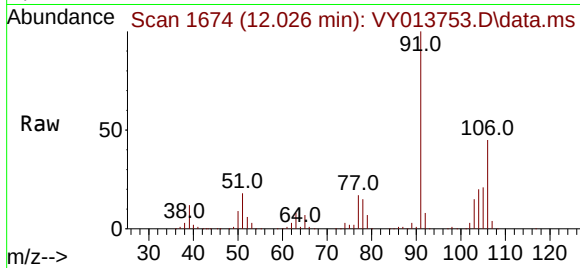




#69  
o-Xylene  
Concen: 24.750 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

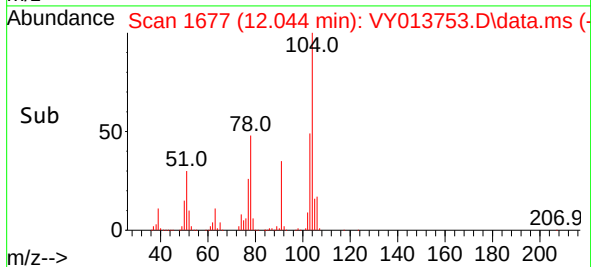
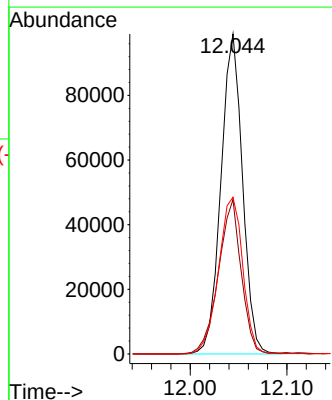
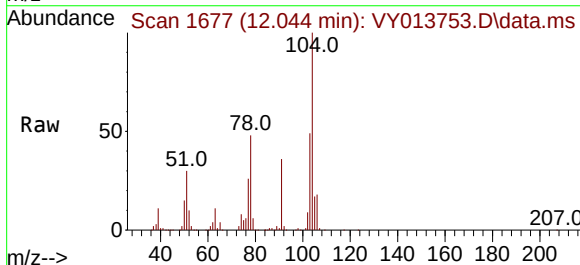
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

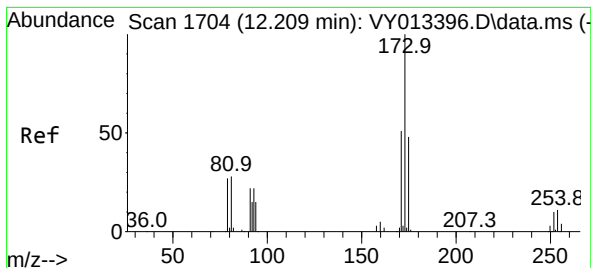
Tgt Ion:106 Resp: 89585  
Ion Ratio Lower Upper  
106 100  
91 218.4 105.5 316.4



#70  
Styrene  
Concen: 25.307 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion:104 Resp: 153156  
Ion Ratio Lower Upper  
104 100  
78 51.0 40.3 60.5  
103 55.5 45.0 67.4





#71

Bromoform

Concen: 23.479 ug/l

RT: 12.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS02

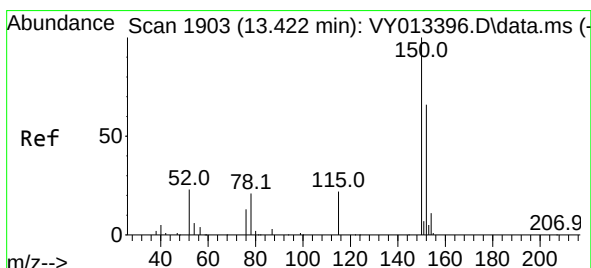
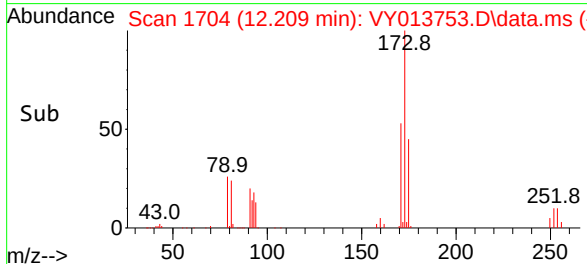
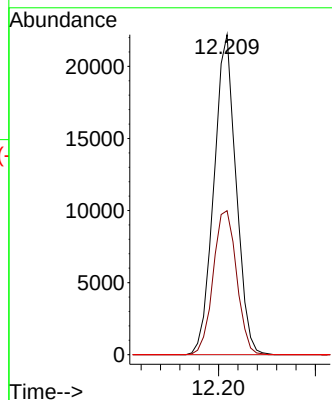
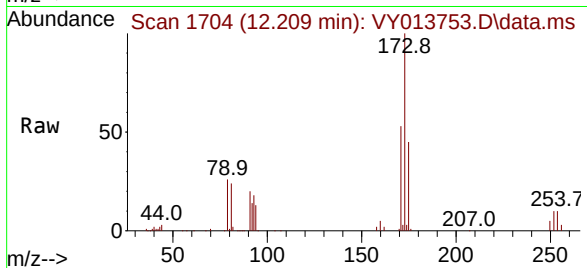
Tgt Ion:173 Resp: 35263

Ion Ratio Lower Upper

173 100

175 47.6 24.3 72.8

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

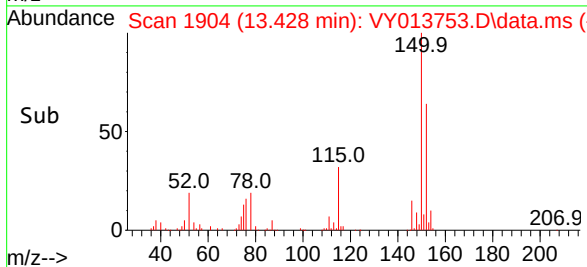
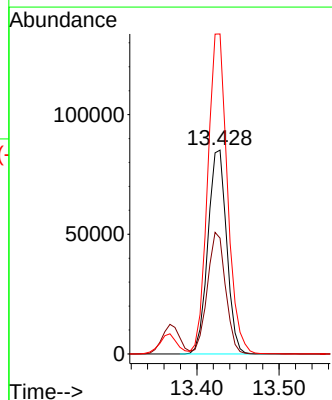
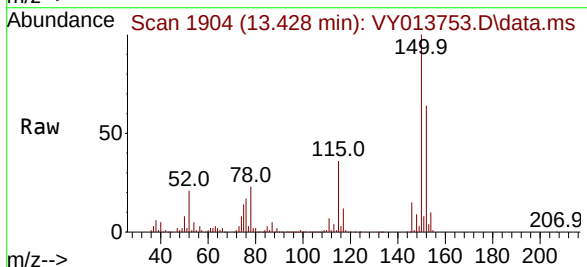
Tgt Ion:152 Resp: 134562

Ion Ratio Lower Upper

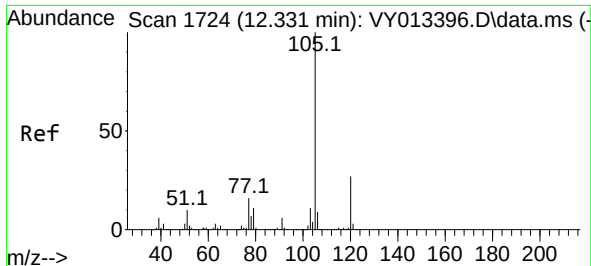
152 100

115 58.2 28.1 84.2

150 165.5 0.0 352.0



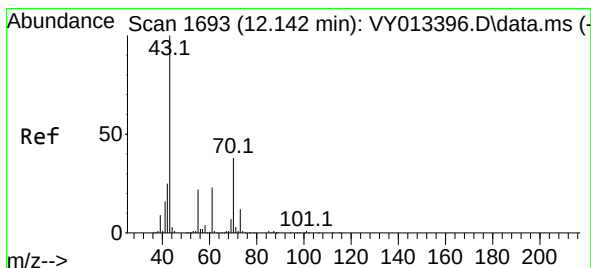
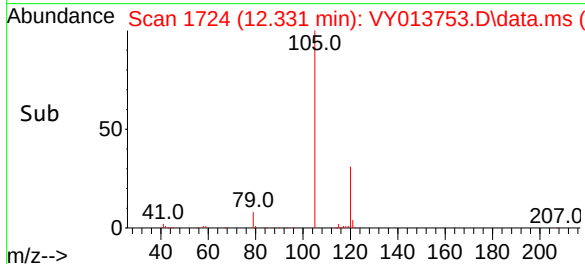
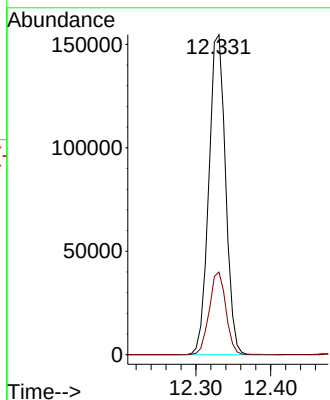
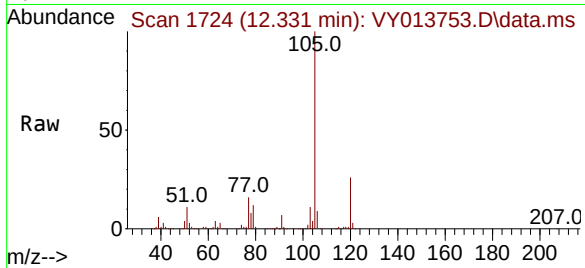




#73  
Isopropylbenzene  
Concen: 23.654 ug/l  
RT: 12.331 min Scan# 1724  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

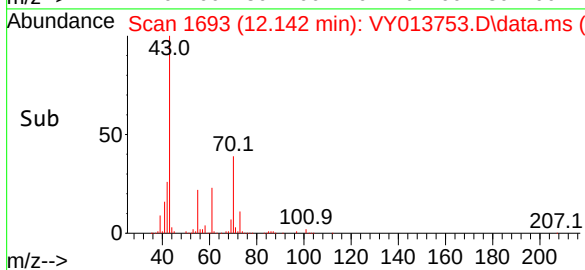
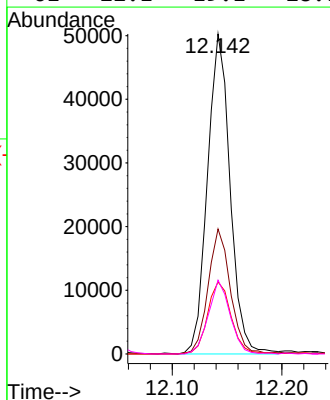
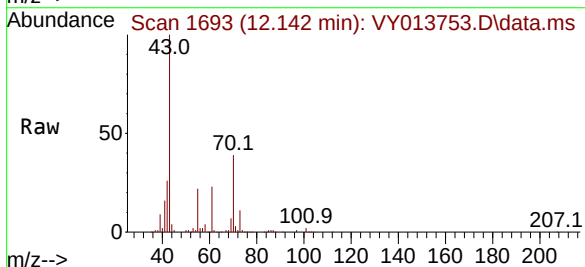
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

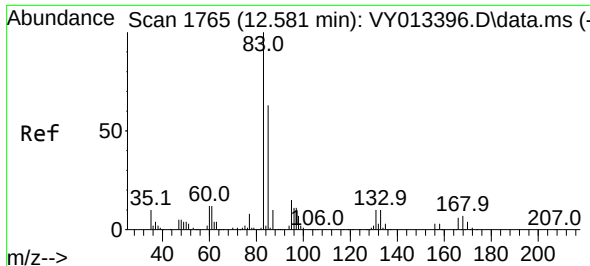
Tgt Ion:105 Resp: 240741  
Ion Ratio Lower Upper  
105 100  
120 25.7 13.7 41.0



#74  
N-ethyl acetate  
Concen: 19.934 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 43 Resp: 72198  
Ion Ratio Lower Upper  
43 100  
70 38.4 33.0 49.4  
55 23.5 19.8 29.6  
61 22.1 19.1 28.7

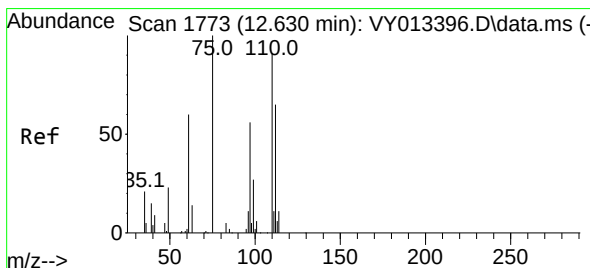
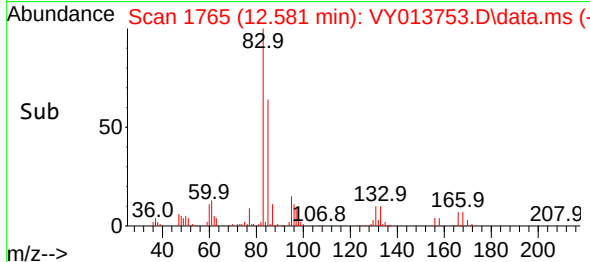
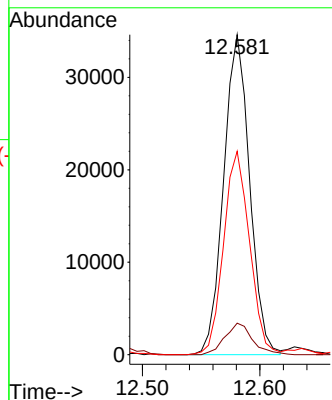
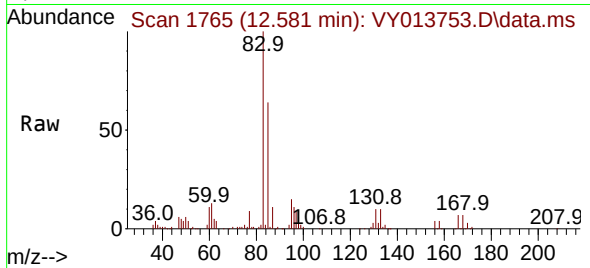




#75  
1,1,2-Tetrachloroethane  
Concen: 21.392 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

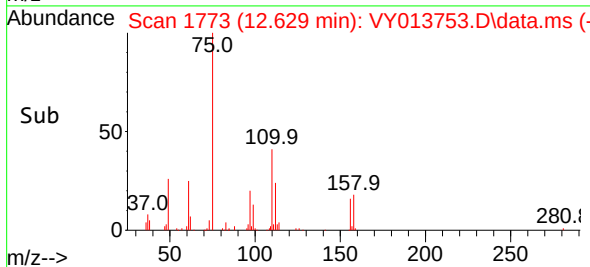
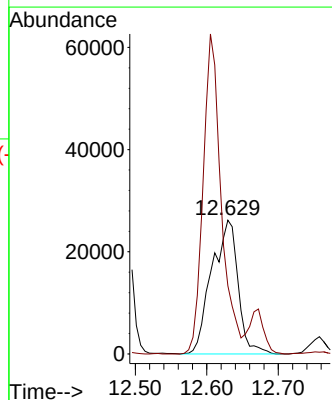
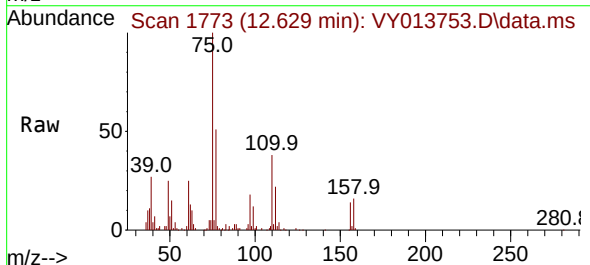
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

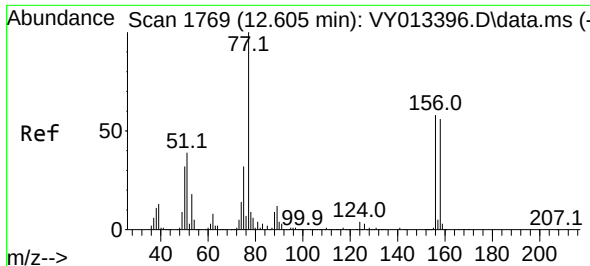
Tgt Ion: 83 Resp: 53218  
Ion Ratio Lower Upper  
83 100  
131 10.5 5.7 17.0  
85 63.6 31.8 95.4



#76  
1,2,3-Trichloropropane  
Concen: 37.019 ug/l  
RT: 12.629 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 75 Resp: 67180  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

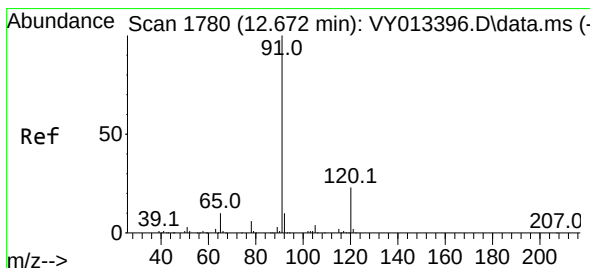
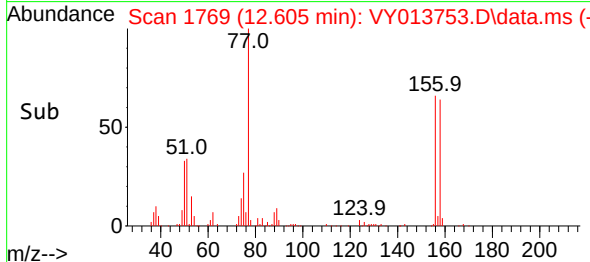
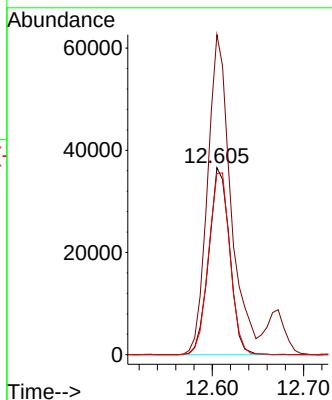
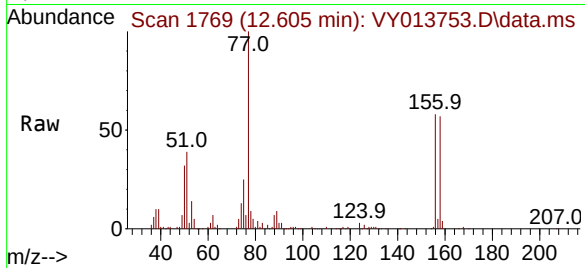




#77  
Bromobenzene  
Concen: 23.552 ug/l  
RT: 12.605 min Scan# 1769  
Delta R.T. -0.006 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

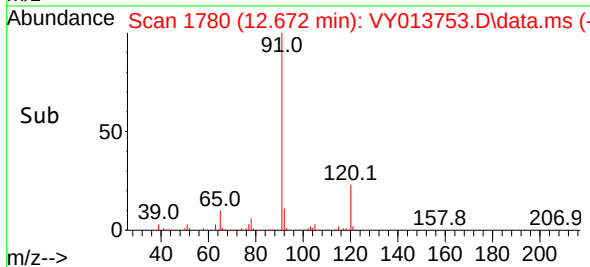
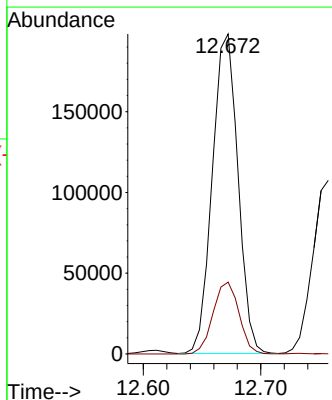
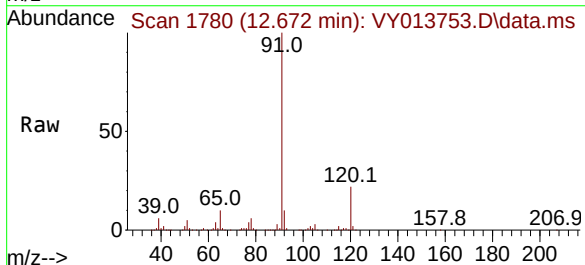
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

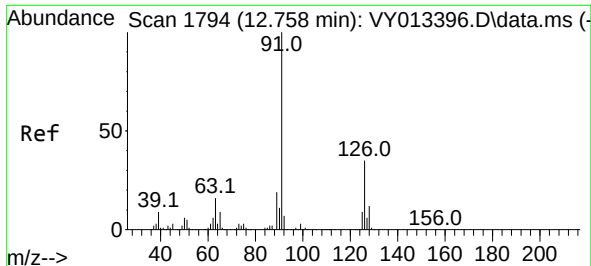
Tgt Ion:156 Resp: 58083  
Ion Ratio Lower Upper  
156 100  
77 189.3 87.6 262.9  
158 99.9 48.5 145.5



#78  
n-propylbenzene  
Concen: 23.969 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 91 Resp: 300487  
Ion Ratio Lower Upper  
91 100  
120 22.7 11.9 35.9

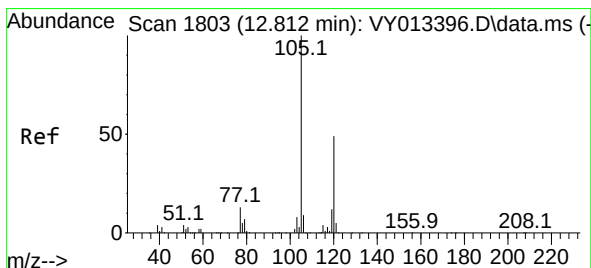
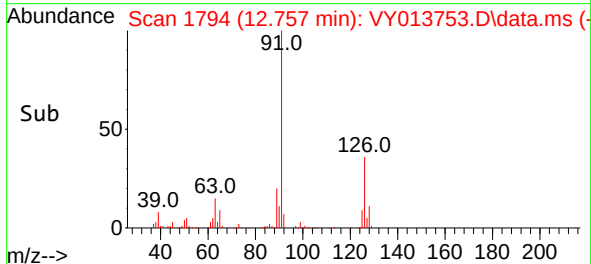
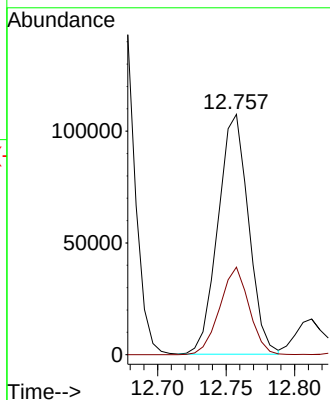
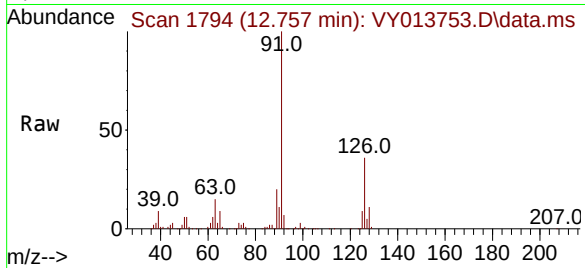




#79  
2-Chlorotoluene  
Concen: 23.828 ug/l  
RT: 12.757 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

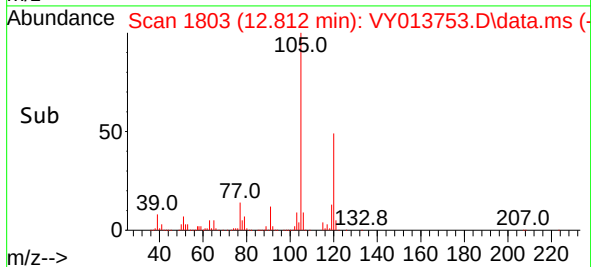
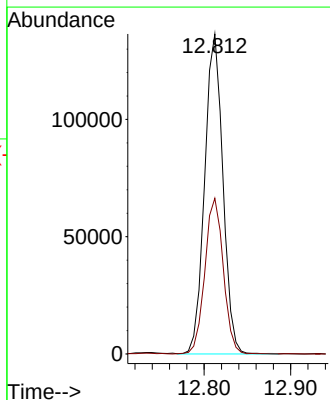
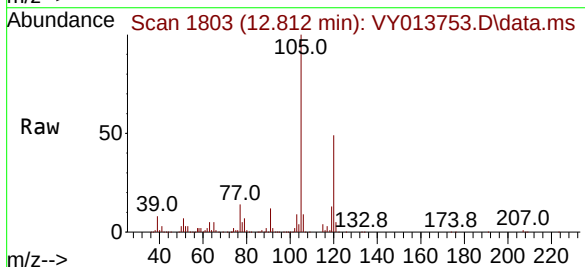
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

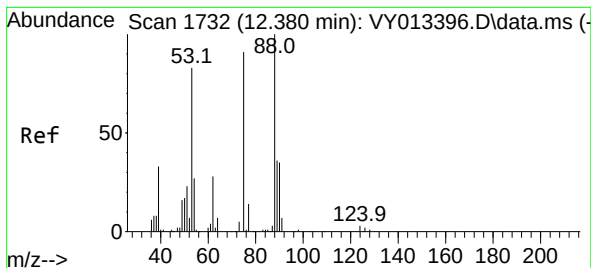
Tgt Ion: 91 Resp: 166810  
Ion Ratio Lower Upper  
91 100  
126 35.0 17.8 53.4



#80  
1,3,5-Trimethylbenzene  
Concen: 24.022 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion:105 Resp: 199556  
Ion Ratio Lower Upper  
105 100  
120 49.2 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.739 ug/l

RT: 12.379 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS02

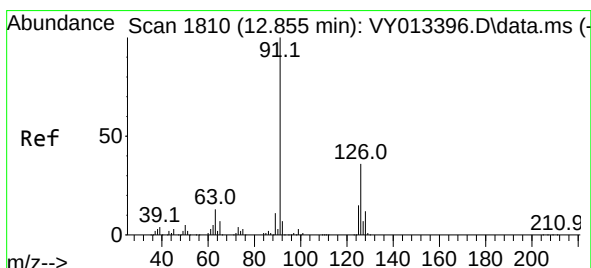
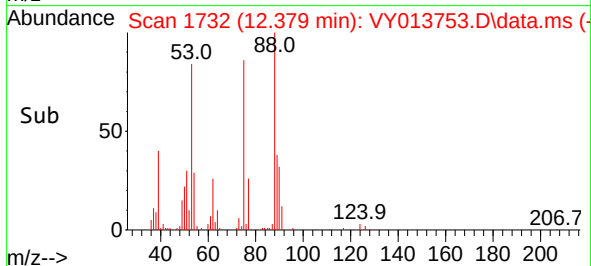
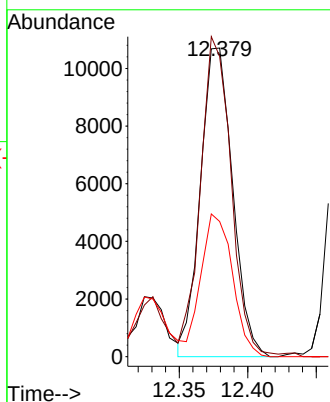
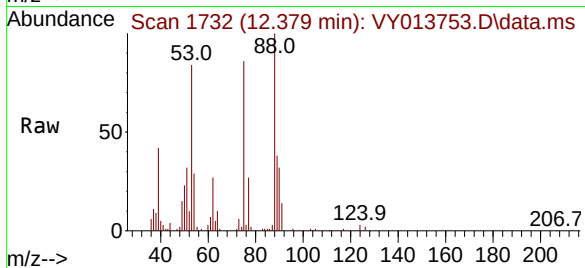
Tgt Ion: 75 Resp: 17512

Ion Ratio Lower Upper

75 100

53 98.9 73.2 109.8

89 44.9 38.0 57.0



#82

4-Chlorotoluene

Concen: 23.798 ug/l

RT: 12.855 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VY013753.D

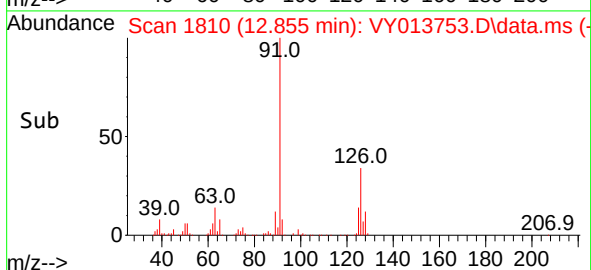
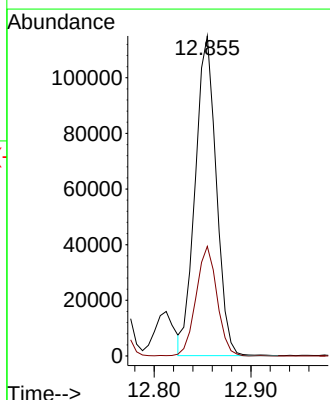
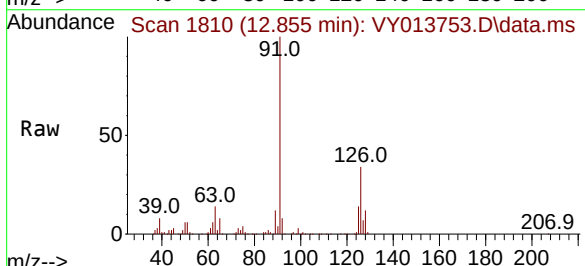
Acq: 16 May 2023 12:43

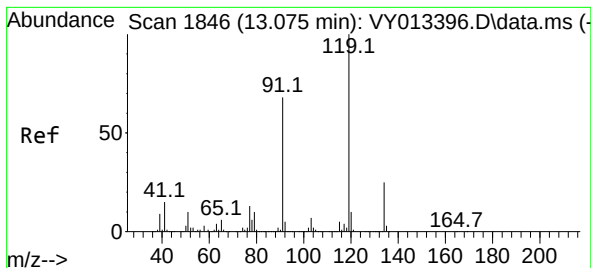
Tgt Ion: 91 Resp: 173645

Ion Ratio Lower Upper

91 100

126 34.3 17.9 53.8





#83

tert-Butylbenzene

Concen: 24.422 ug/l

RT: 13.074 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS02

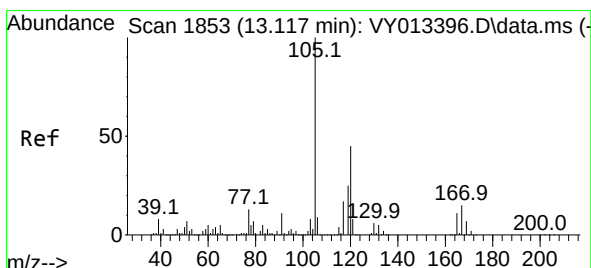
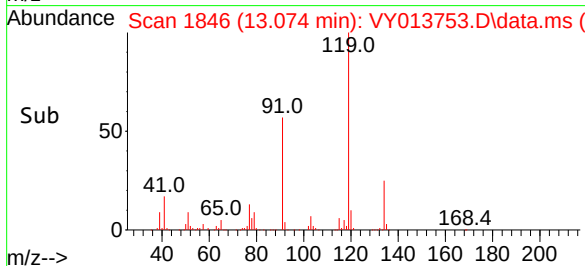
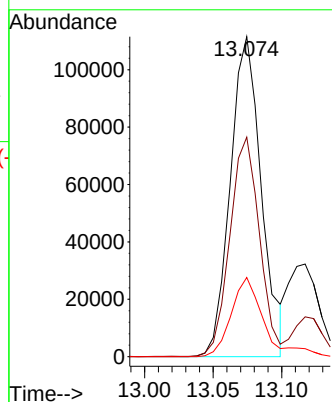
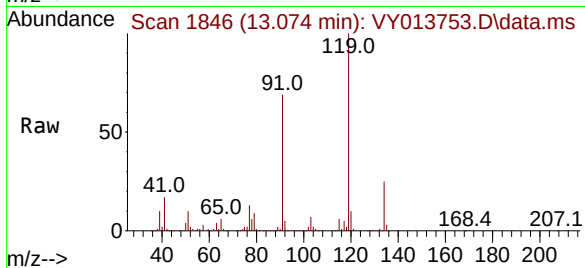
Tgt Ion:119 Resp: 175761

Ion Ratio Lower Upper

119 100

91 65.7 32.2 96.6

134 26.0 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 24.376 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY013753.D

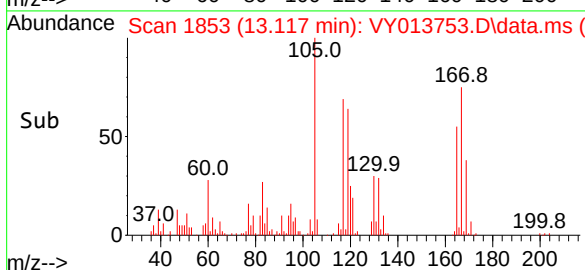
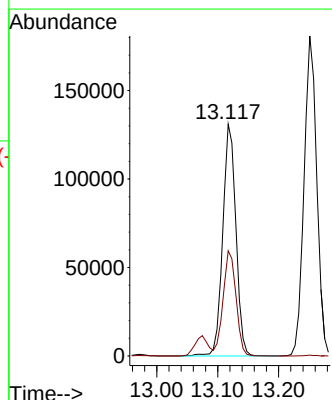
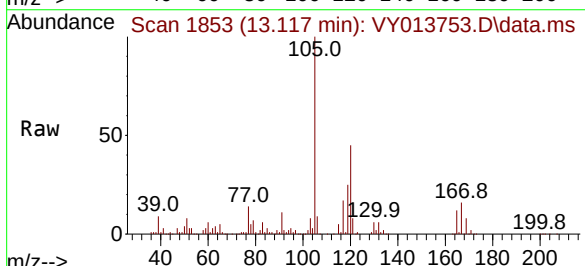
Acq: 16 May 2023 12:43

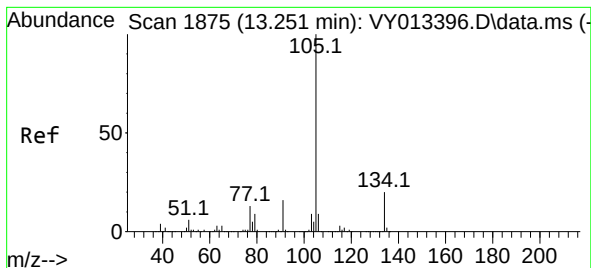
Tgt Ion:105 Resp: 196869

Ion Ratio Lower Upper

105 100

120 44.4 22.3 66.9





#85

sec-Butylbenzene

Concen: 24.272 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

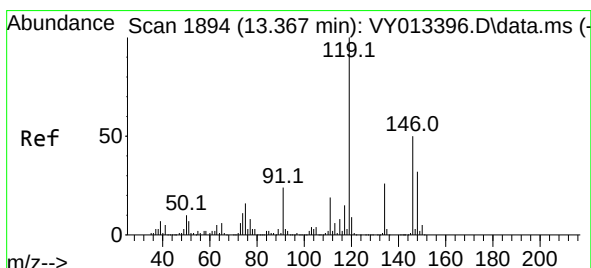
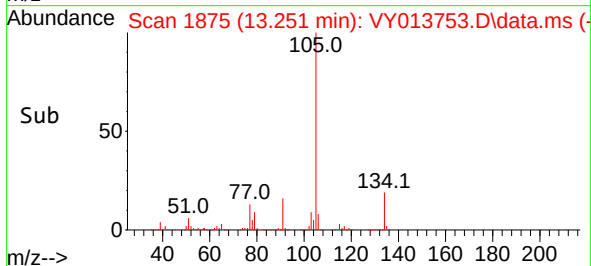
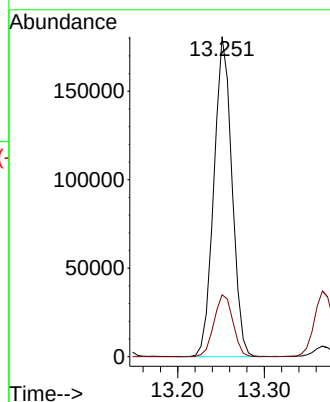
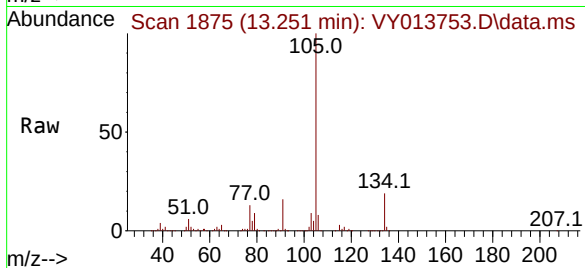
VY0516SBS02

Tgt Ion:105 Resp: 262165

Ion Ratio Lower Upper

105 100

134 20.2 10.3 30.9



#86

p-Isopropyltoluene

Concen: 24.706 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

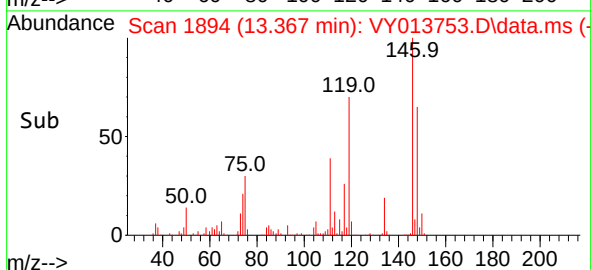
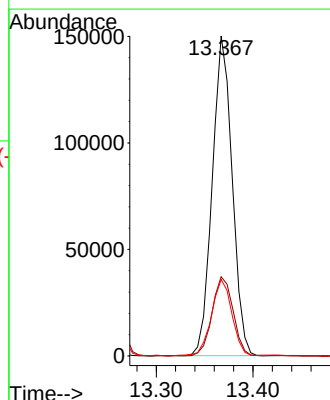
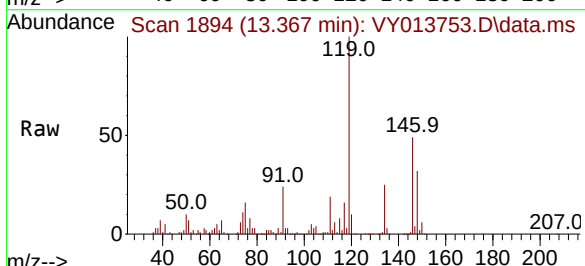
Tgt Ion:119 Resp: 214597

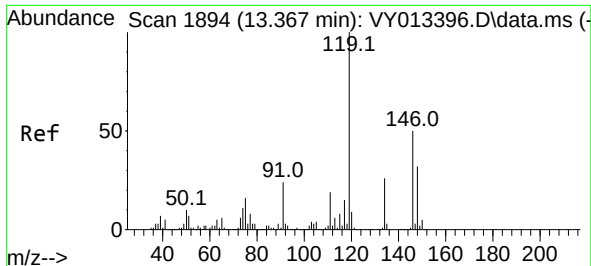
Ion Ratio Lower Upper

119 100

134 26.1 13.4 40.2

91 24.7 12.1 36.3

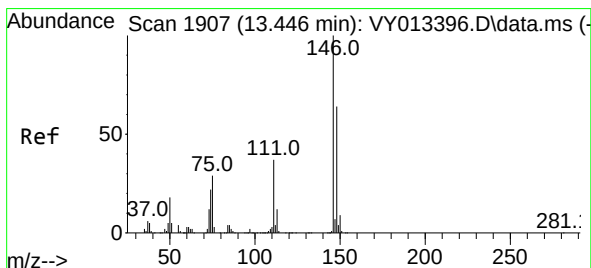
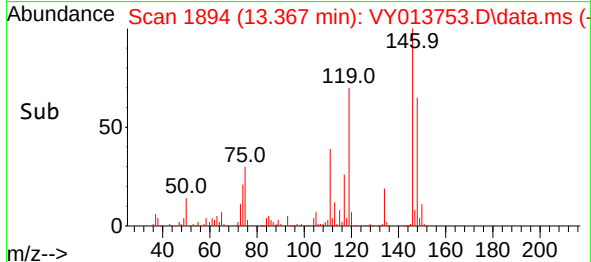
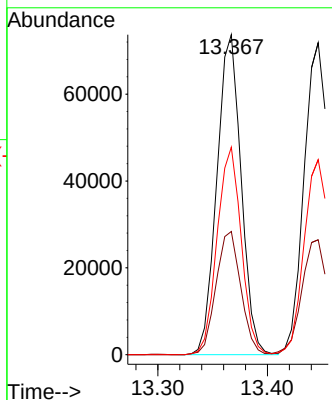
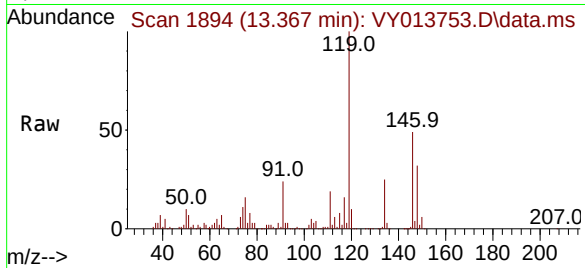




#87  
1,3-Dichlorobenzene  
Concen: 24.155 ug/l  
RT: 13.367 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

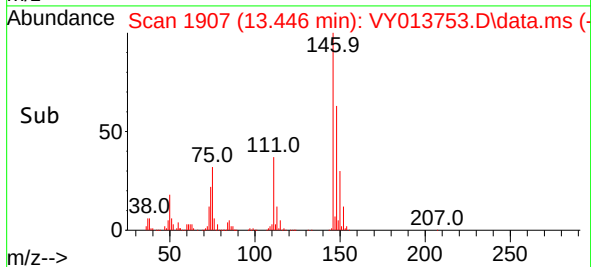
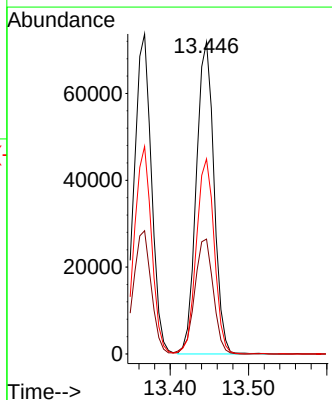
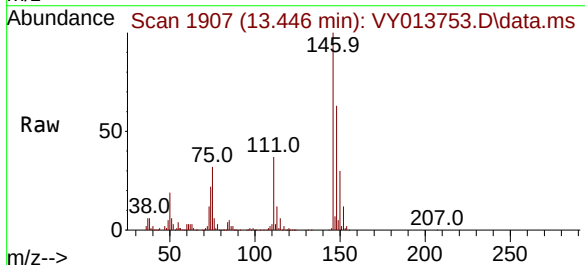
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

Tgt Ion:146 Resp: 113487  
Ion Ratio Lower Upper  
146 100  
111 39.3 19.3 57.9  
148 64.5 31.9 95.7

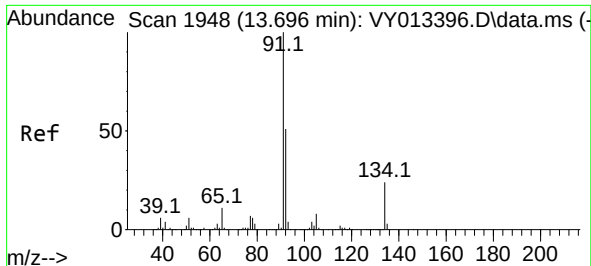


#88  
1,4-Dichlorobenzene  
Concen: 23.768 ug/l  
RT: 13.446 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion:146 Resp: 112807  
Ion Ratio Lower Upper  
146 100  
111 38.7 18.9 56.5  
148 63.4 31.9 95.5







#89

n-Butylbenzene

Concen: 24.101 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS02

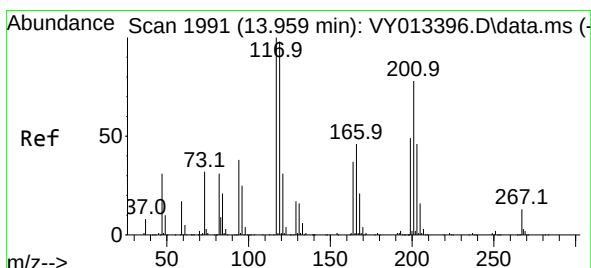
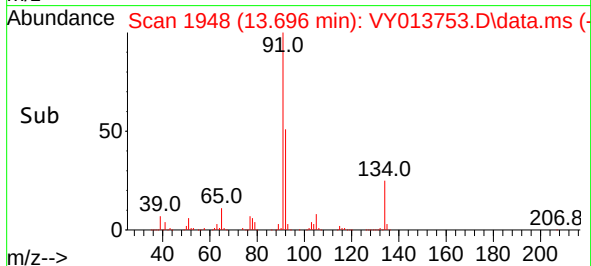
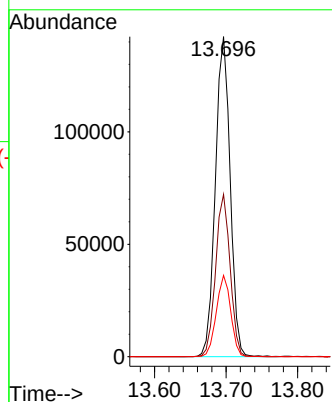
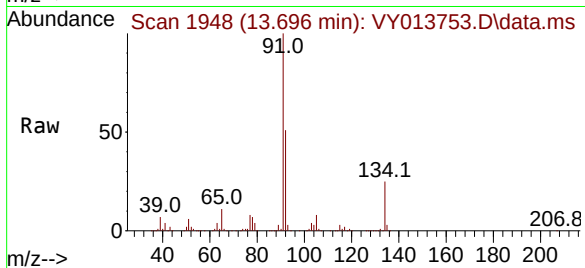
Tgt Ion: 91 Resp: 204320

Ion Ratio Lower Upper

91 100

92 49.9 25.8 77.3

134 24.8 13.5 40.4



#90

Hexachloroethane

Concen: 23.922 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. 0.000 min

Lab File: VY013753.D

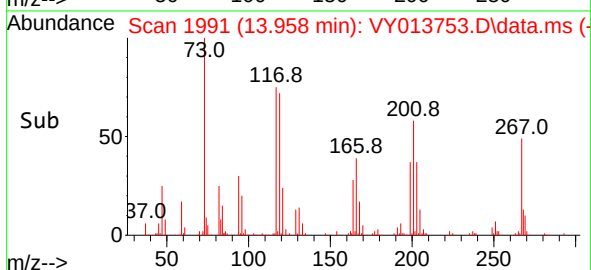
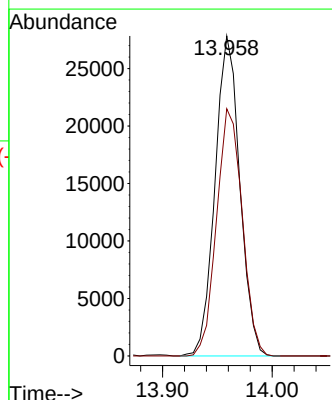
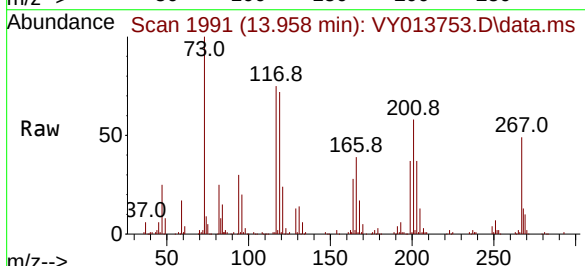
Acq: 16 May 2023 12:43

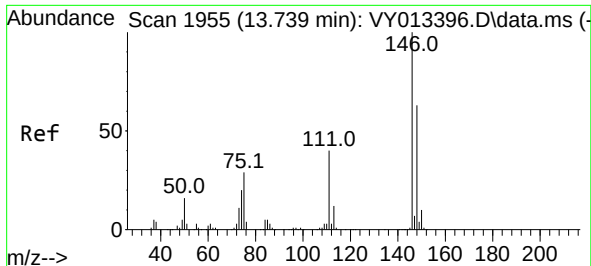
Tgt Ion: 117 Resp: 43732

Ion Ratio Lower Upper

117 100

201 79.9 41.6 124.8

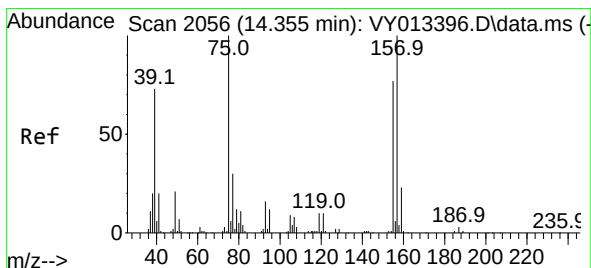
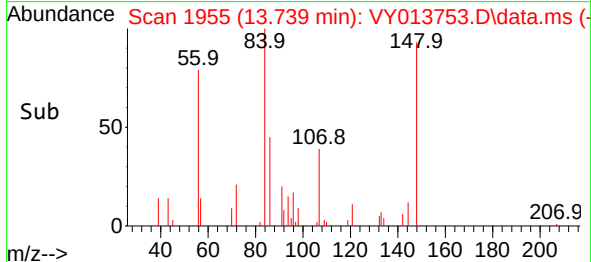
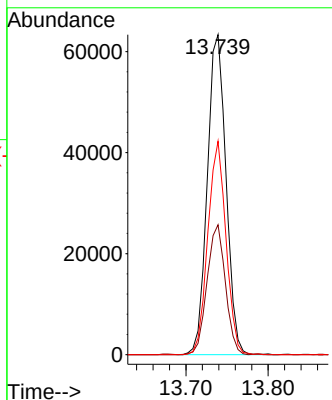
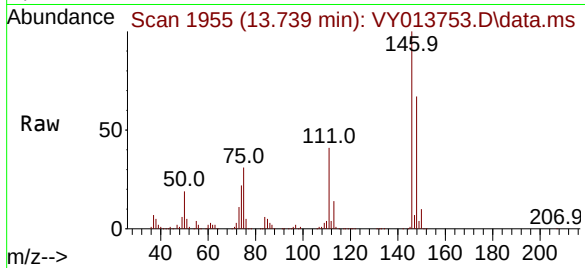




#91  
1,2-Dichlorobenzene  
Concen: 23.619 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

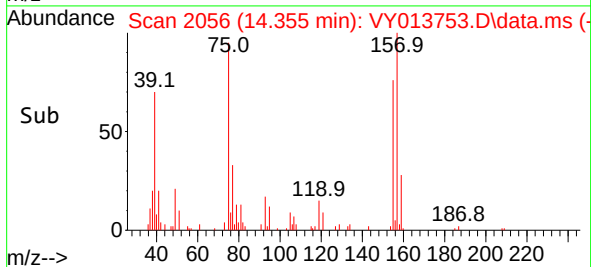
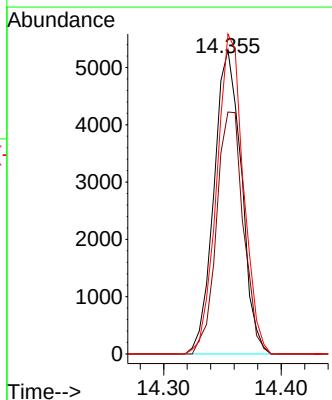
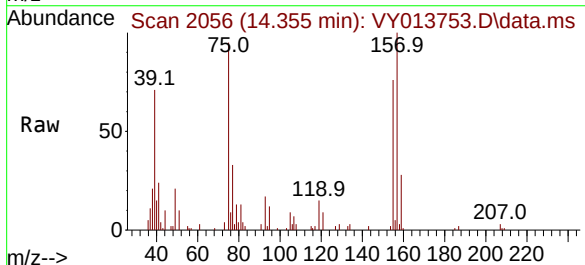
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

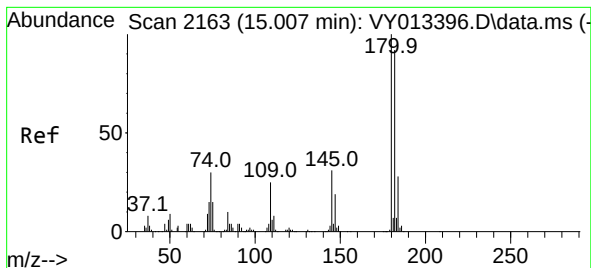
Tgt Ion:146 Resp: 100210  
Ion Ratio Lower Upper  
146 100  
111 39.9 19.8 59.4  
148 64.7 31.8 95.4



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 19.606 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion: 75 Resp: 8614  
Ion Ratio Lower Upper  
75 100  
155 78.2 44.6 134.0  
157 102.5 57.6 172.7





#93

1,2,4-Trichlorobenzene

Concen: 23.294 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

Instrument :

MSVOA\_Y

ClientSampleId :

VY0516SBS02

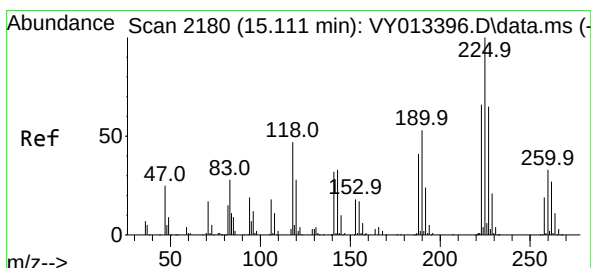
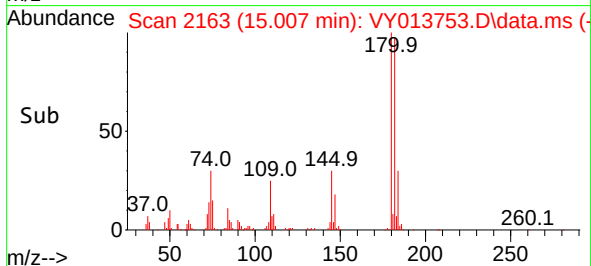
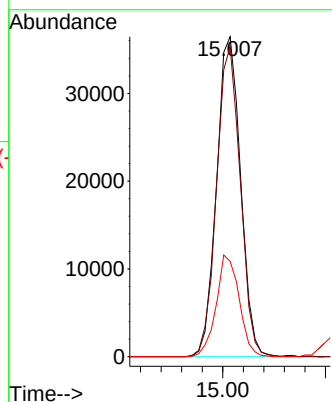
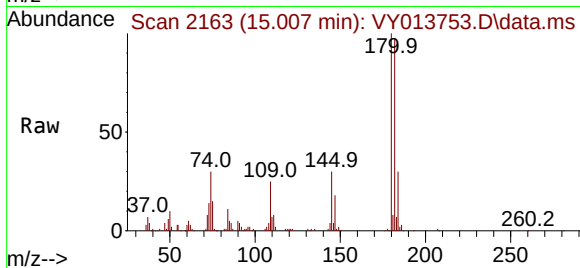
Tgt Ion:180 Resp: 58923

Ion Ratio Lower Upper

180 100

182 96.0 48.5 145.5

145 30.4 15.0 45.0



#94

Hexachlorobutadiene

Concen: 26.215 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY013753.D

Acq: 16 May 2023 12:43

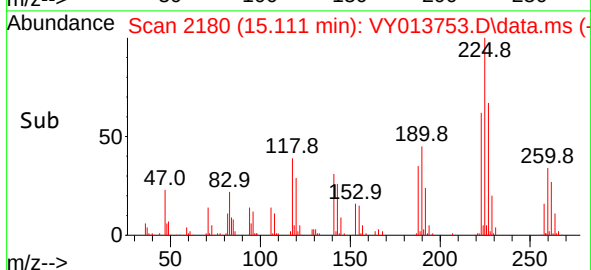
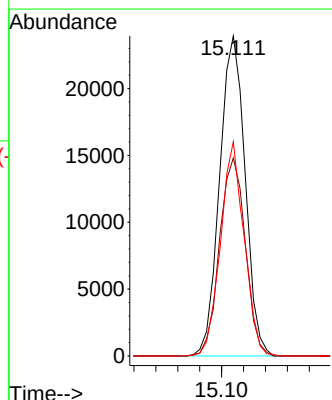
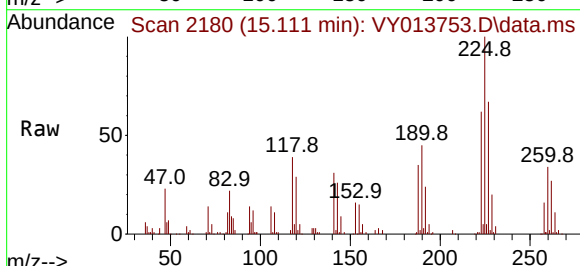
Tgt Ion:225 Resp: 38593

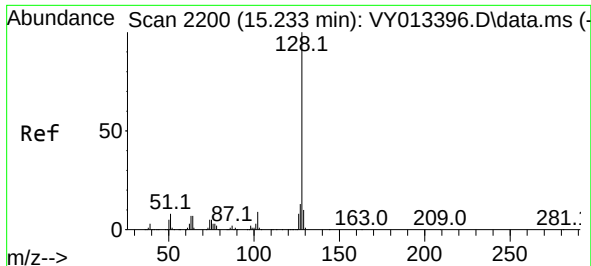
Ion Ratio Lower Upper

225 100

223 62.4 31.4 94.2

227 62.2 32.0 96.0

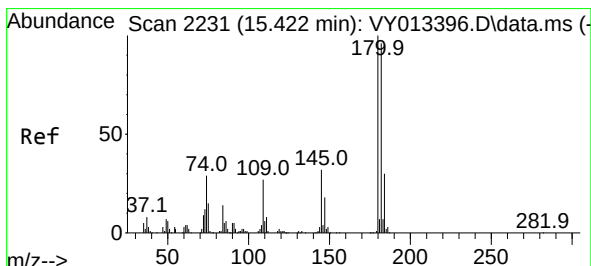
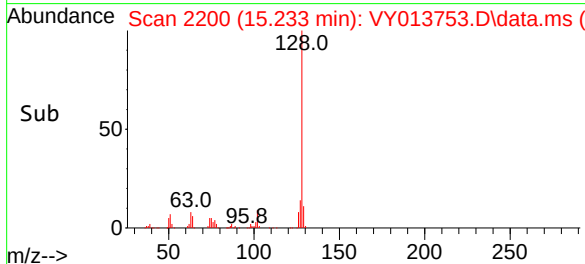
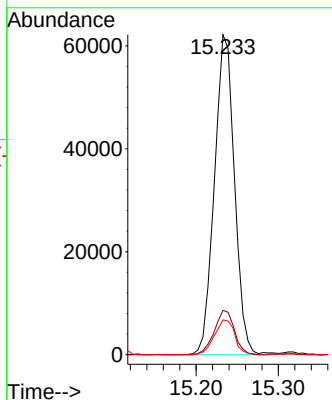
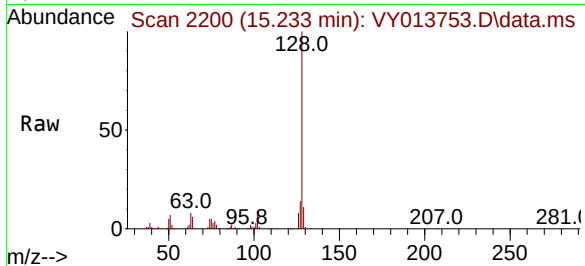




#95  
Naphthalene  
Concen: 19.202 ug/l  
RT: 15.233 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBS02

Tgt Ion:128 Resp: 105389  
Ion Ratio Lower Upper  
128 100  
127 13.9 10.7 16.1  
129 10.9 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 22.734 ug/l  
RT: 15.422 min Scan# 2231  
Delta R.T. -0.000 min  
Lab File: VY013753.D  
Acq: 16 May 2023 12:43

Tgt Ion:180 Resp: 51256  
Ion Ratio Lower Upper  
180 100  
182 96.9 47.1 141.3  
145 31.9 15.9 47.7

