

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032423\  
 Data File : VY013070.D  
 Acq On : 24 Mar 2023 11:15  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 25 03:29:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 103211   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 162261   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 148012   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 81384    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 54873    | 53.548   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 107.100% |      |
| 35) Dibromofluoromethane    | 7.716  | 113   | 52691    | 53.808   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 107.620% |      |
| 50) Toluene-d8              | 10.179 | 98    | 166948   | 46.635   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 93.260%  |      |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 71846    | 59.460   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 118.920% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 55139  | 54.201  | ug/l   | 97  |
| 3) Chloromethane             | 2.113 | 50  | 55668  | 45.773  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.253 | 62  | 56848  | 50.974  | ug/l   | 100 |
| 5) Bromomethane              | 2.650 | 94  | 35511  | 52.403  | ug/l   | 97  |
| 6) Chloroethane              | 2.796 | 64  | 34461  | 51.596  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 91434  | 49.364  | ug/l   | 100 |
| 8) Diethyl Ether             | 3.534 | 74  | 32830  | 50.578  | ug/l   | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 3.899 | 101 | 60865  | 54.617  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.095 | 142 | 78503  | 54.065  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 4.948 | 59  | 25447  | 212.941 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 3.875 | 96  | 57745  | 54.331  | ug/l   | 99  |
| 13) Acrolein                 | 3.729 | 56  | 31422  | 175.018 | ug/l   | 100 |
| 14) Allyl chloride           | 4.479 | 41  | 106504 | 54.248  | ug/l   | 100 |
| 15) Acrylonitrile            | 5.161 | 53  | 83527  | 244.225 | ug/l   | 100 |
| 16) Acetone                  | 3.948 | 43  | 103926 | 258.379 | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.198 | 76  | 181989 | 50.305  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.473 | 43  | 58904  | 49.177  | ug/l   | 100 |
| 19) Methyl tert-butyl Ether  | 5.222 | 73  | 142758 | 52.001  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.716 | 84  | 69807  | 57.702  | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 62196  | 53.850  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.119 | 45  | 198881 | 55.773  | ug/l   | 97  |
| 23) Vinyl Acetate            | 6.058 | 43  | 585337 | 264.185 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 111907 | 55.074  | ug/l   | 99  |
| 25) 2-Butanone               | 6.984 | 43  | 126329 | 253.578 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 97409  | 53.975  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 68521  | 55.335  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.332 | 49  | 39437  | 53.109  | ug/l   | 95  |
| 29) Tetrahydrofuran          | 7.344 | 42  | 76907  | 255.959 | ug/l   | 96  |
| 30) Chloroform               | 7.509 | 83  | 106264 | 52.945  | ug/l   | 98  |
| 31) Cyclohexane              | 7.789 | 56  | 95162  | 48.488  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 7.704 | 97  | 92601  | 51.018  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 84909  | 51.742  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.070 | 43  | 51964  | 50.241  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 7.899 | 117 | 89352  | 52.728  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.185 | 83  | 101476 | 52.014  | ug/l   | 94  |
| 40) Benzene                  | 8.161 | 78  | 235678 | 50.772  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 25 03:29:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 23448    | 42.078   | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 71816    | 51.460   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 89652    | 48.584   | ug/l   | 98       |
| 44) Trichloroethene           | 8.941  | 130  | 60335    | 49.299   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 62423    | 53.210   | ug/l   | 100      |
| 46) Dibromomethane            | 9.301  | 93   | 33214    | 49.696   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.496  | 83   | 78385    | 49.769   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.295  | 41   | 43816    | 51.532   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 8642     | 1000.237 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 244093   | 243.858  | ug/l   | 96       |
| 52) Toluene                   | 10.246 | 92   | 140659   | 50.245   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 79911    | 48.373   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 92488    | 49.463   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 42436    | 45.593   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 58502    | 47.138   | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 74545    | 47.022   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 153579   | 235.728  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.831 | 43   | 178886   | 245.897  | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.984 | 129  | 54498    | 48.101   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 41548    | 46.340   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 50735    | 47.080   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.520 | 112  | 156649   | 50.428   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 58469    | 50.866   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 287356   | 52.614   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 220520   | 104.958  | ug/l   | 100      |
| 69) o-Xylene                  | 12.032 | 106  | 103980   | 53.027   | ug/l   | 97       |
| 70) Styrene                   | 12.044 | 104  | 175114   | 53.515   | ug/l   | 100      |
| 71) Bromoform                 | 12.209 | 173  | 37248    | 49.700   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.331 | 105  | 279907   | 48.530   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 82226    | 45.310   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 57403    | 44.274   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 75780    | 77.975   | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 65478    | 46.731   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.672 | 91   | 352833   | 49.618   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 193655   | 49.000   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 236593   | 49.705   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 20647    | 44.020   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 198695   | 48.568   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 204093   | 49.677   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 231125   | 49.656   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 310253   | 49.501   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 257986   | 50.364   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 130874   | 48.429   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 130613   | 47.356   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 242437   | 49.439   | ug/l   | 100      |
| 90) Hexachloroethane          | 13.965 | 117  | 51931    | 48.675   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 116520   | 47.698   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 8951     | 42.717   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 70580    | 46.925   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 43439    | 47.351   | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 137708   | 45.688   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 61561    | 46.020   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

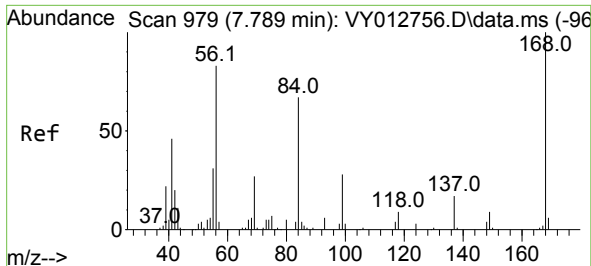
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Quant Time: Mar 25 03:29:35 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration

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

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

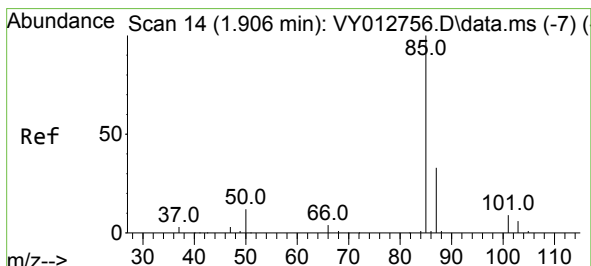
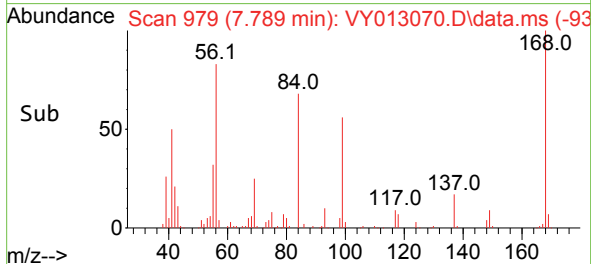
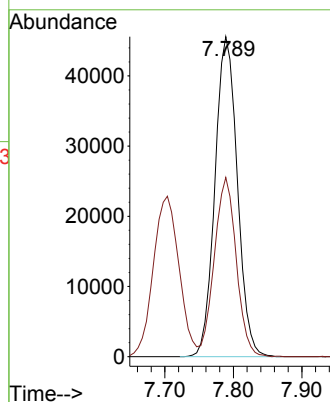
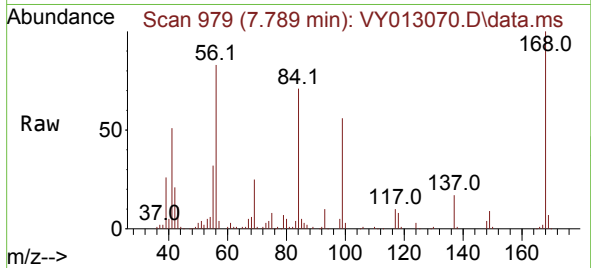




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

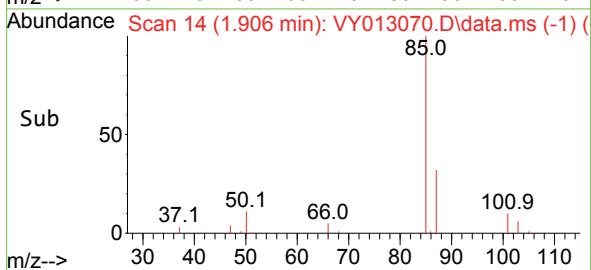
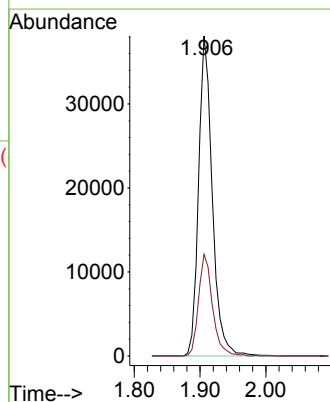
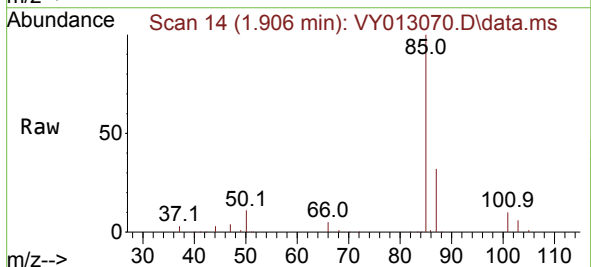
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

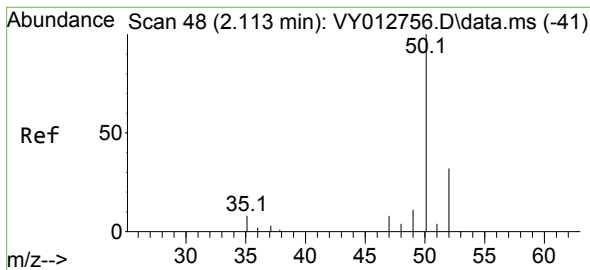
Tgt Ion:168 Resp: 103211  
Ion Ratio Lower Upper  
168 100  
99 55.9 41.7 62.5



#2  
Dichlorodifluoromethane  
Concen: 54.201 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 85 Resp: 55139  
Ion Ratio Lower Upper  
85 100  
87 31.7 16.7 50.0





#3

Chloromethane

Concen: 45.773 ug/l

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

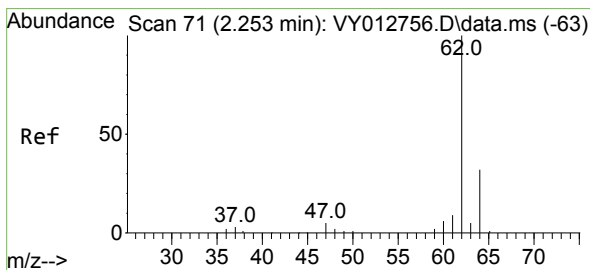
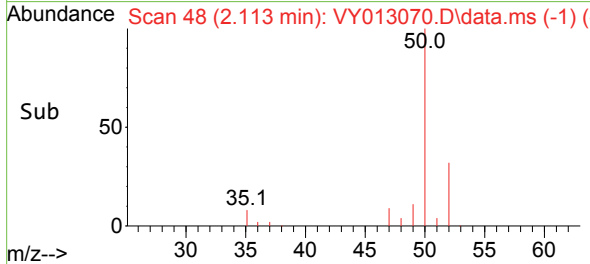
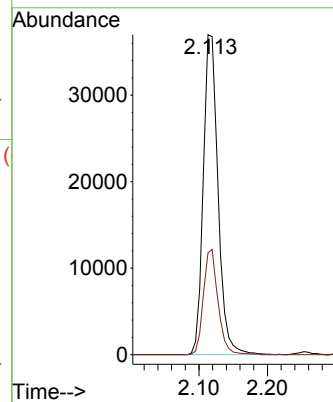
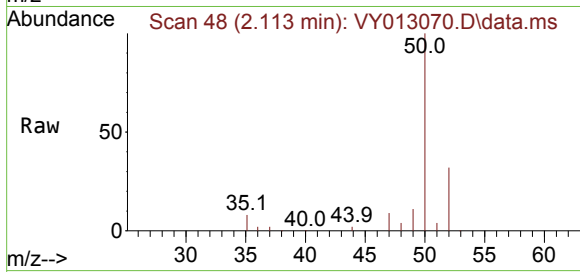
VSTDCCC050

Tgt Ion: 50 Resp: 55668

Ion Ratio Lower Upper

50 100

52 31.8 26.0 39.0



#4

Vinyl Chloride

Concen: 50.974 ug/l

RT: 2.253 min Scan# 71

Delta R.T. 0.000 min

Lab File: VY013070.D

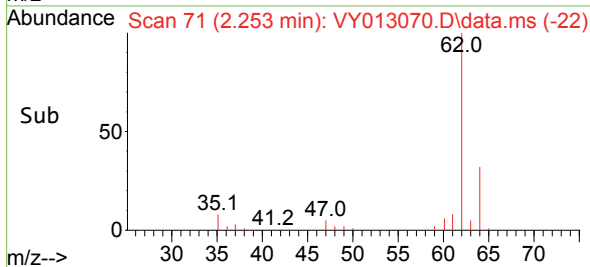
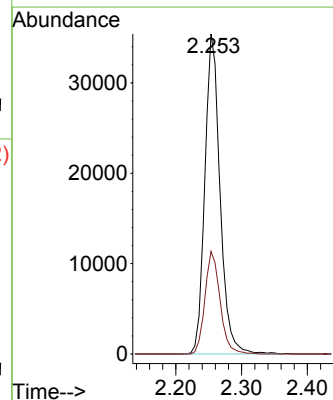
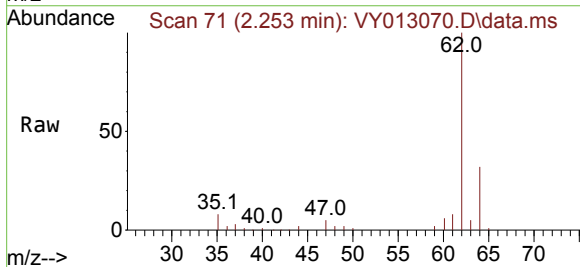
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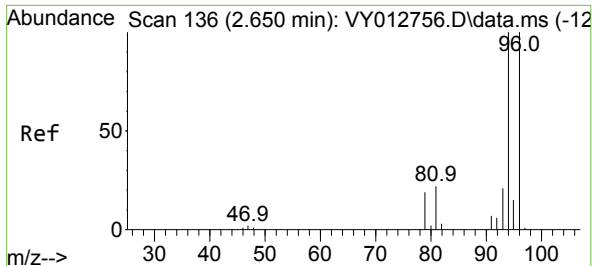
Tgt Ion: 62 Resp: 56848

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 52.403 ug/l

RT: 2.650 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

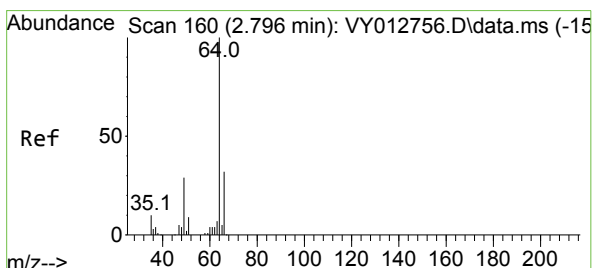
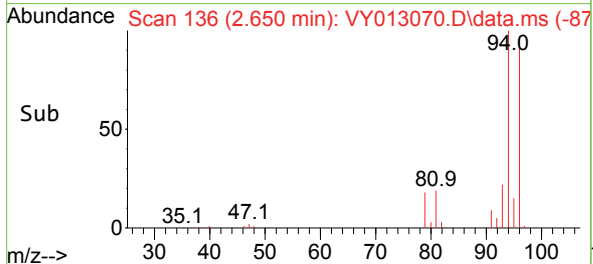
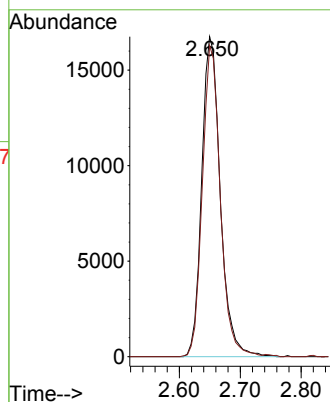
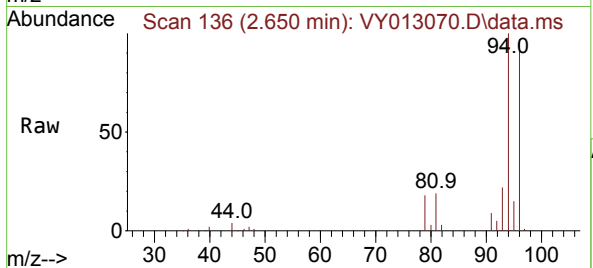
VSTDCCC050

Tgt Ion: 94 Resp: 35511

Ion Ratio Lower Upper

94 100

96 97.3 80.3 120.5



#6

Chloroethane

Concen: 51.596 ug/l

RT: 2.796 min Scan# 160

Delta R.T. -0.000 min

Lab File: VY013070.D

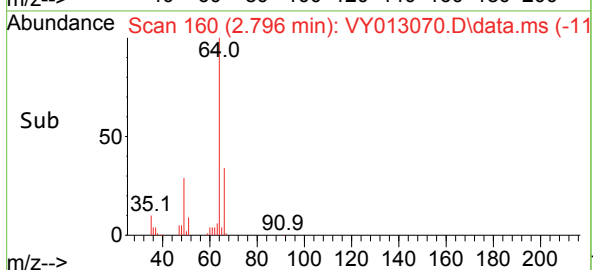
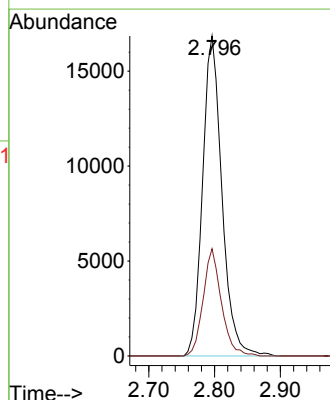
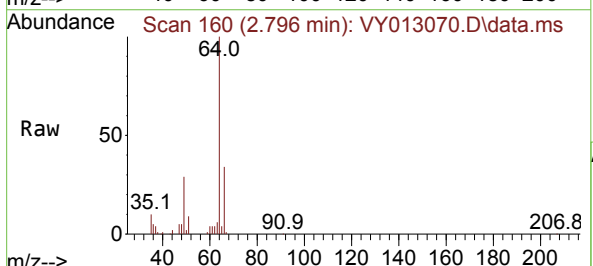
Acq: 24 Mar 2023 11:15

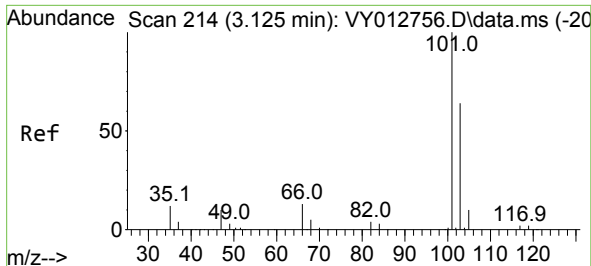
Tgt Ion: 64 Resp: 34461

Ion Ratio Lower Upper

64 100

66 33.5 25.7 38.5

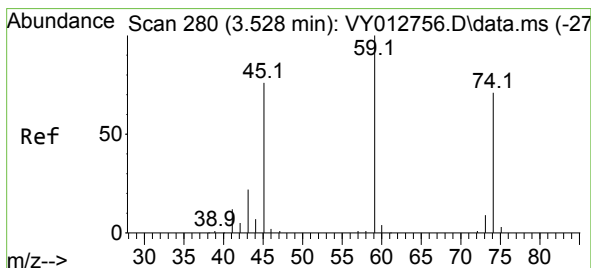
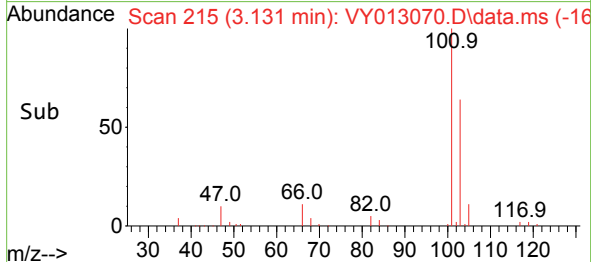
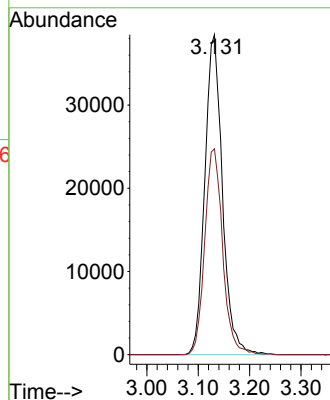
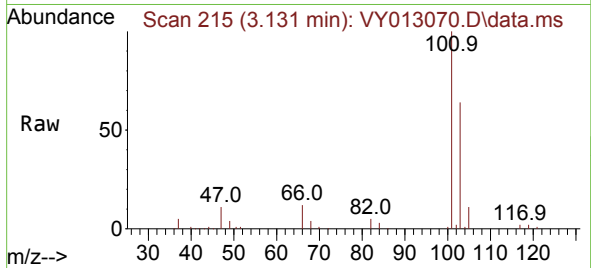




#7  
 Trichlorofluoromethane  
 Concen: 49.364 ug/l  
 RT: 3.131 min Scan# 214  
 Delta R.T. 0.006 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

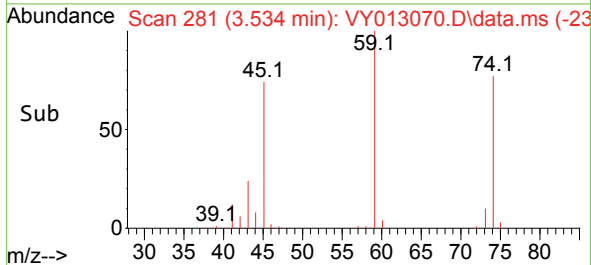
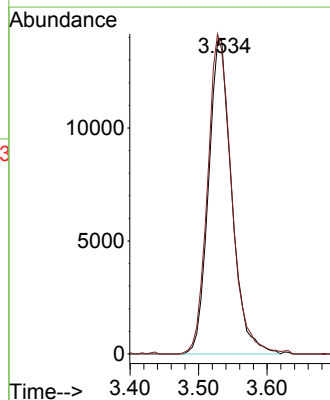
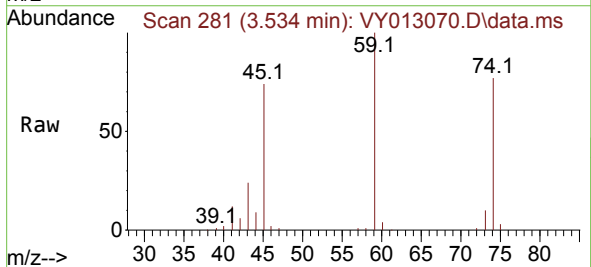
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

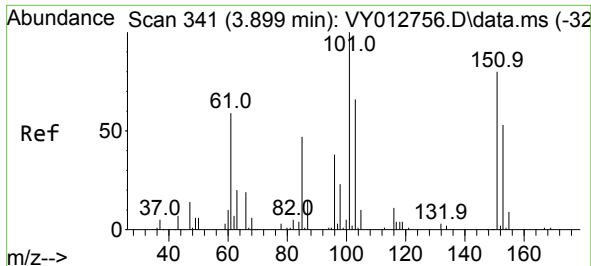
Tgt Ion:101 Resp: 91434  
 Ion Ratio Lower Upper  
 101 100  
 103 64.4 51.5 77.3



#8  
 Diethyl Ether  
 Concen: 50.578 ug/l  
 RT: 3.534 min Scan# 281  
 Delta R.T. 0.006 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

Tgt Ion: 74 Resp: 32830  
 Ion Ratio Lower Upper  
 74 100  
 45 105.3 52.1 156.4

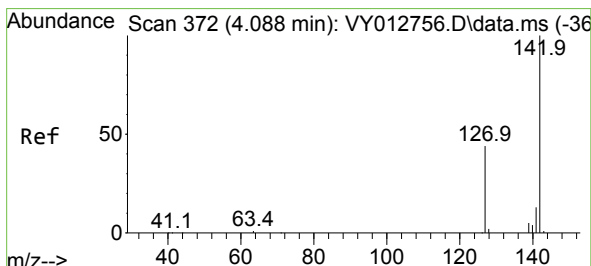
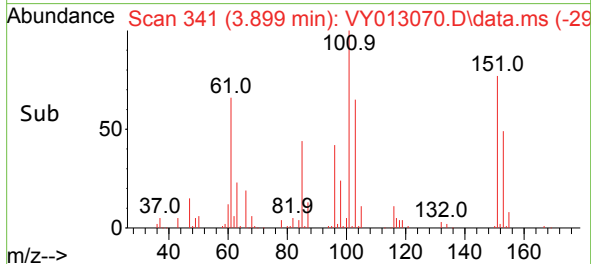
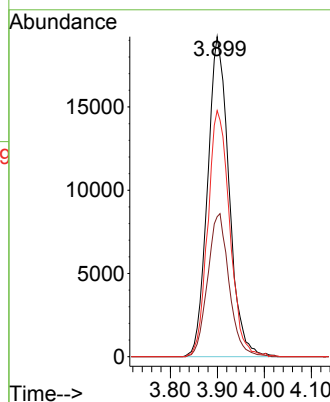
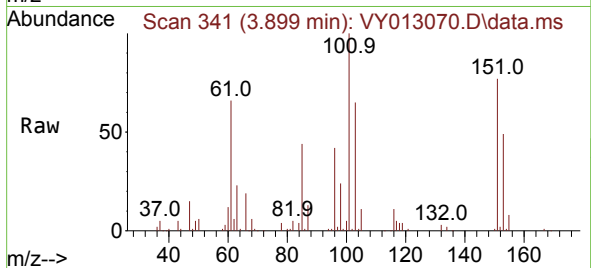




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 54.617 ug/l  
 RT: 3.899 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

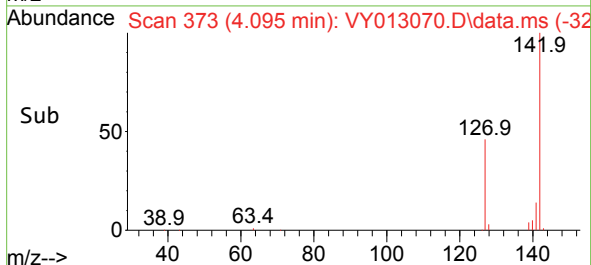
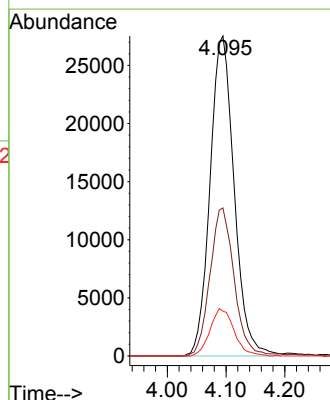
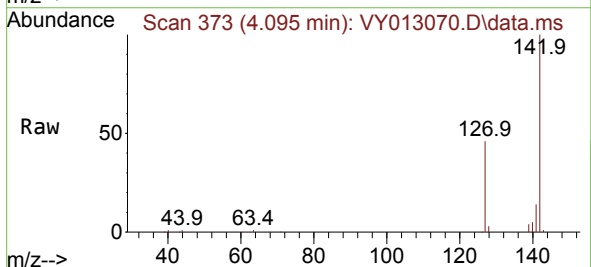
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

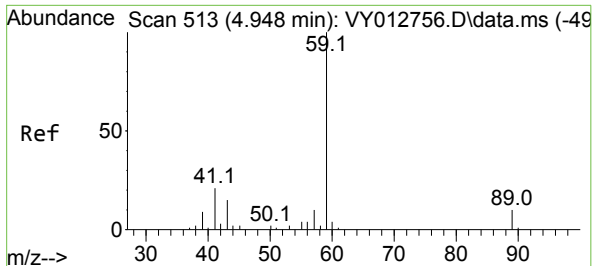
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 60865 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 44.8  | 35.3  | 52.9  |
| 151      | 78.5  | 63.1  | 94.7  |



#10  
 Methyl Iodide  
 Concen: 54.065 ug/l  
 RT: 4.095 min Scan# 373  
 Delta R.T. 0.007 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 78503 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 46.4  | 35.4  | 53.2  |
| 141      | 14.8  | 11.3  | 16.9  |





#11

Tert butyl alcohol

Concen: 212.941 ug/l

RT: 4.948 min Scan# 513

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

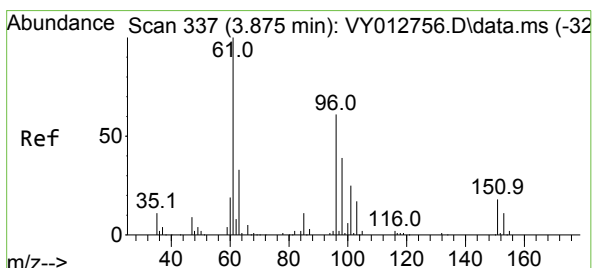
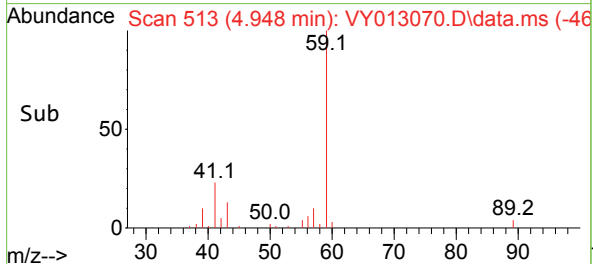
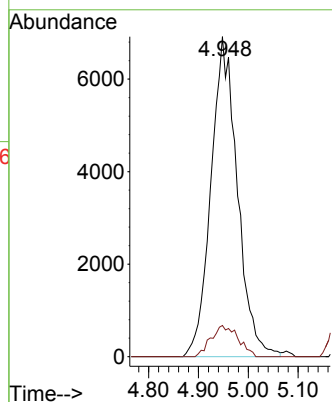
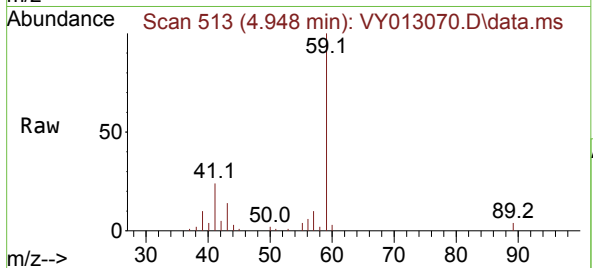
VSTDCCC050

Tgt Ion: 59 Resp: 25447

Ion Ratio Lower Upper

59 100

57 10.0 7.7 11.5



#12

1,1-Dichloroethene

Concen: 54.331 ug/l

RT: 3.875 min Scan# 337

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

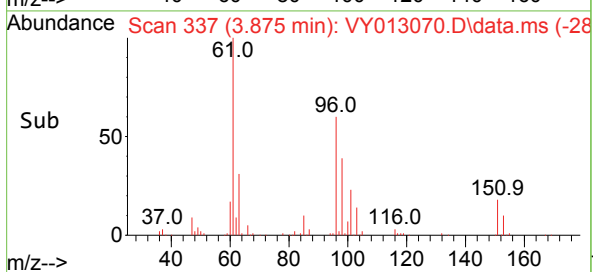
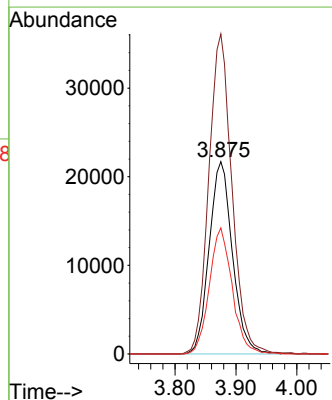
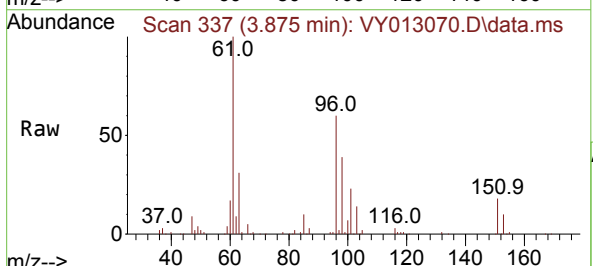
Tgt Ion: 96 Resp: 57745

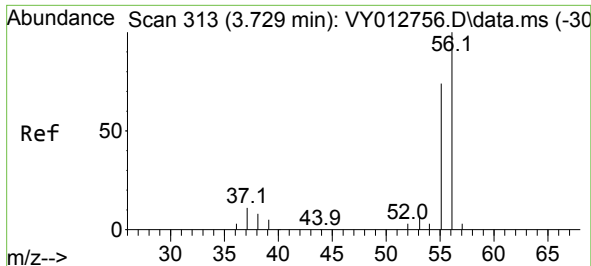
Ion Ratio Lower Upper

96 100

61 166.4 131.7 197.5

98 65.6 52.0 78.0





#13

Acrolein

Concen: 175.018 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

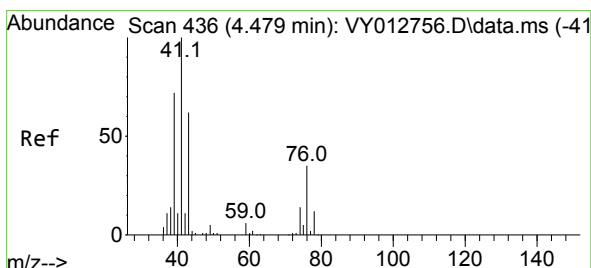
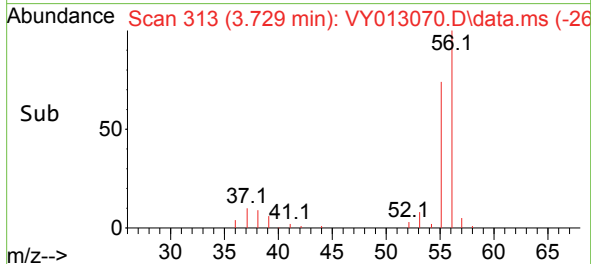
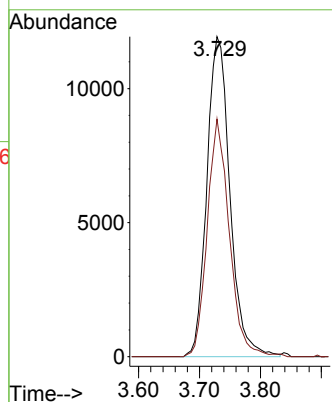
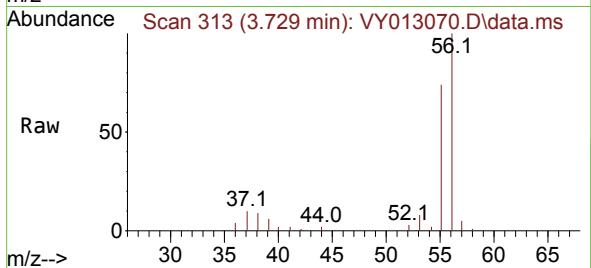
VSTDCCC050

Tgt Ion: 56 Resp: 31422

Ion Ratio Lower Upper

56 100

55 71.2 56.8 85.2



#14

Allyl chloride

Concen: 54.248 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

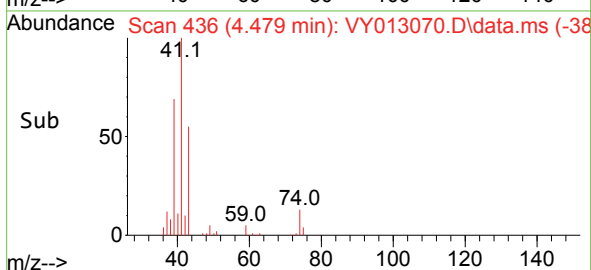
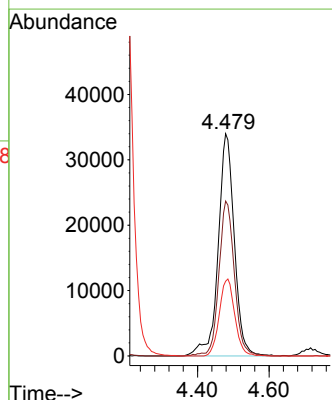
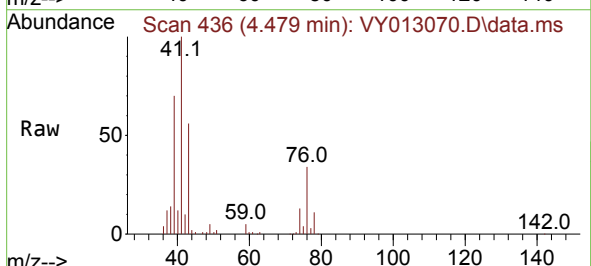
Tgt Ion: 41 Resp: 106504

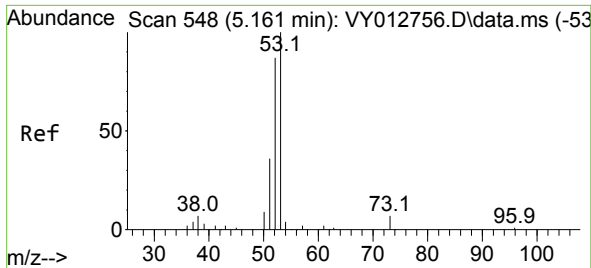
Ion Ratio Lower Upper

41 100

39 66.9 53.6 80.4

76 33.3 27.2 40.8

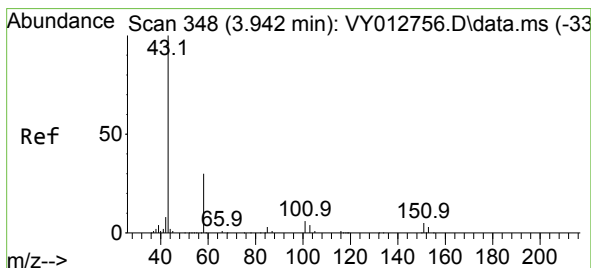
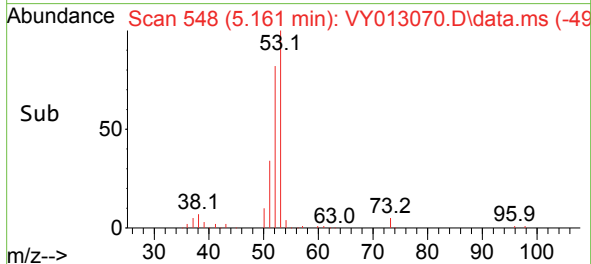
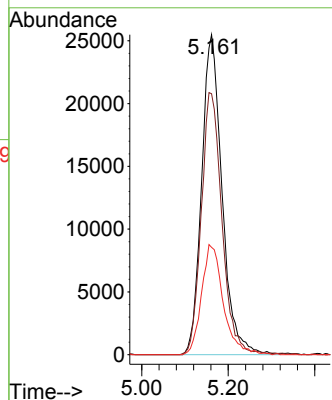
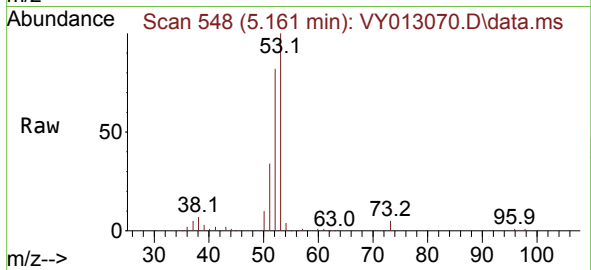




#15  
Acrylonitrile  
Concen: 244.225 ug/l  
RT: 5.161 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

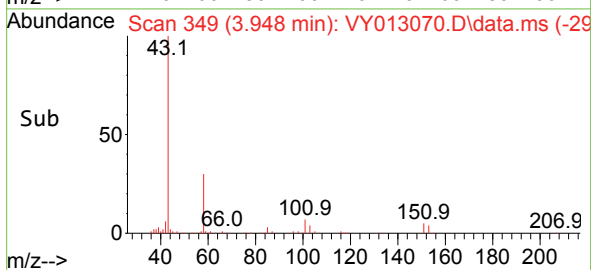
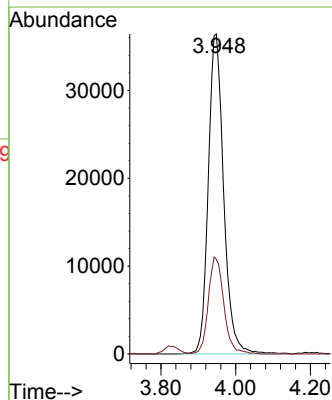
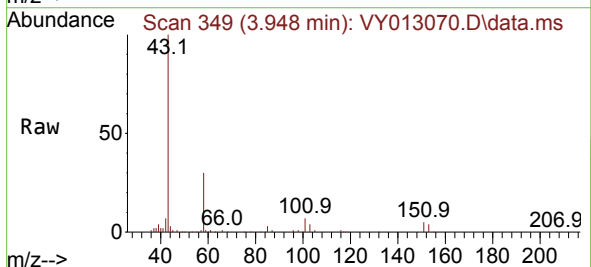
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

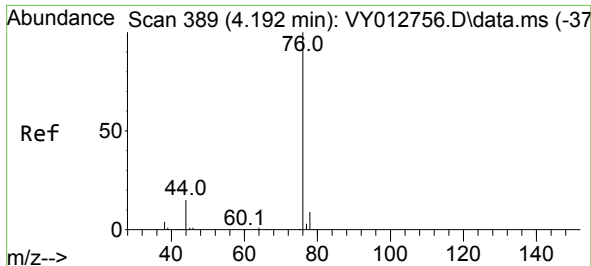
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 83527 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.1  | 66.3  | 99.5  |
| 51       | 36.6  | 28.8  | 43.2  |



#16  
Acetone  
Concen: 258.379 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 103926 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.5  | 24.2  | 36.2   |

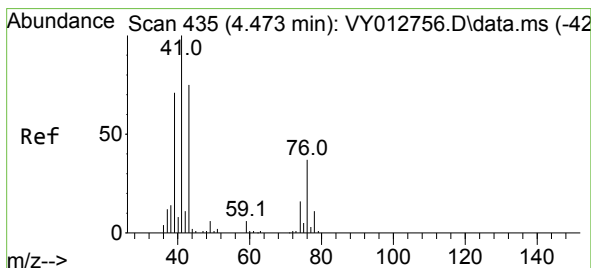
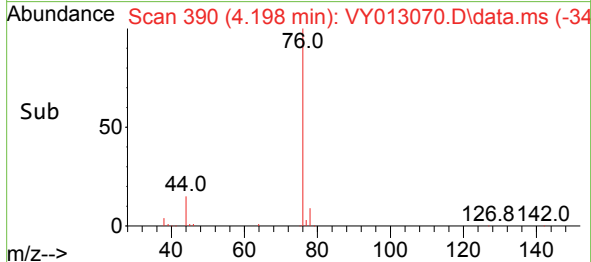
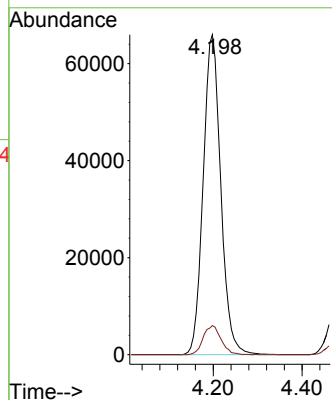
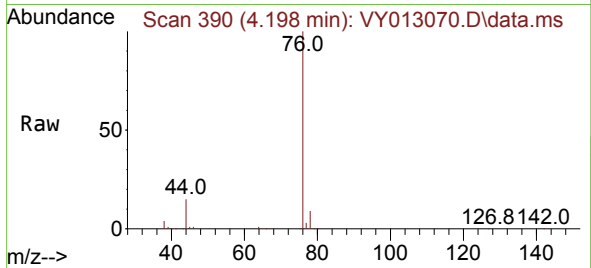




#17  
Carbon Disulfide  
Concen: 50.305 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.006 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

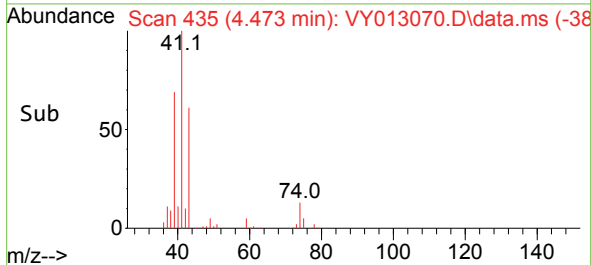
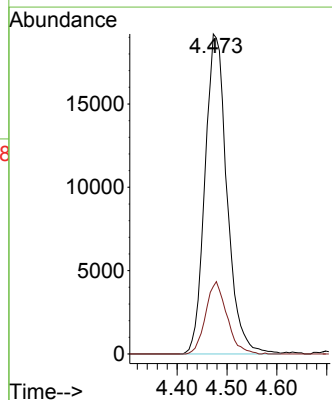
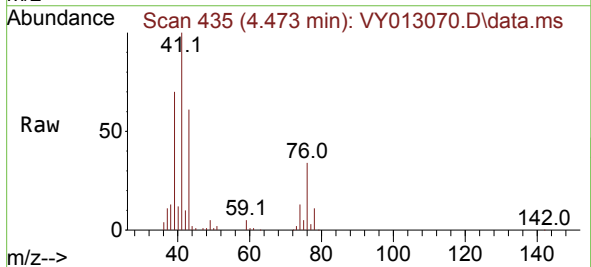
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

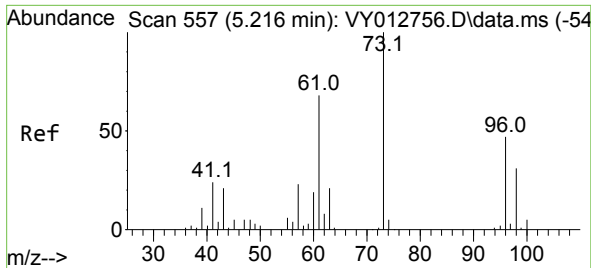
Tgt Ion: 76 Resp: 181989  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.1 10.7



#18  
Methyl Acetate  
Concen: 49.177 ug/l  
RT: 4.473 min Scan# 435  
Delta R.T. -0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 43 Resp: 58904  
Ion Ratio Lower Upper  
43 100  
74 21.9 17.4 26.0

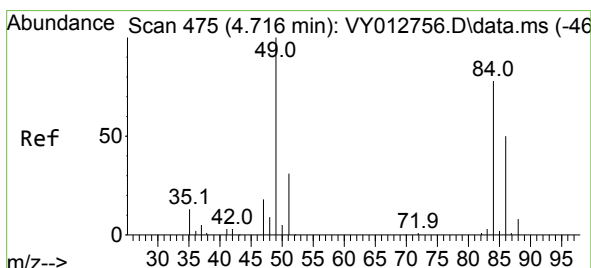
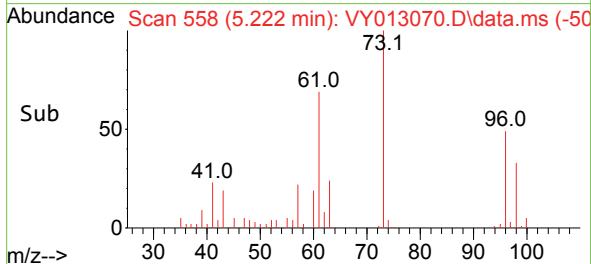
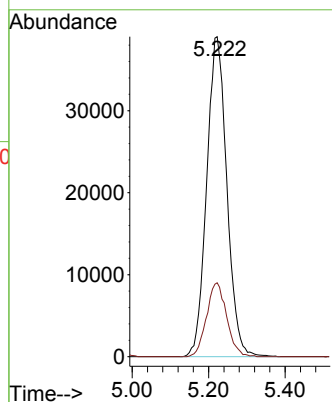
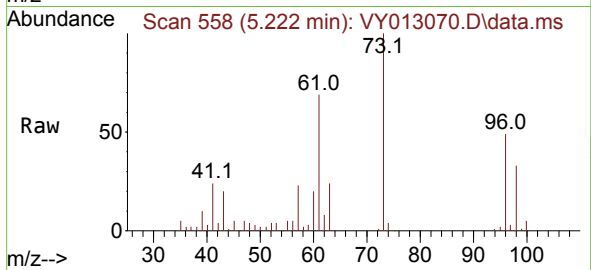




#19  
Methyl tert-butyl Ether  
Concen: 52.001 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

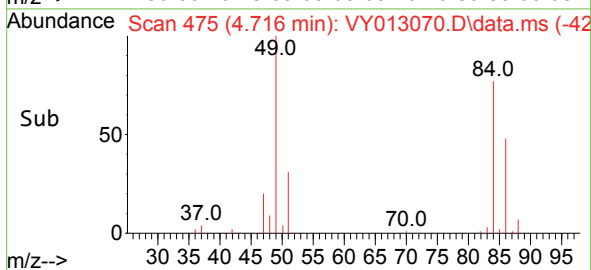
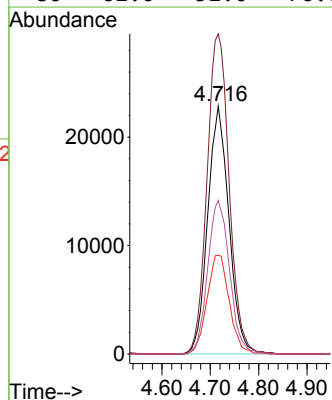
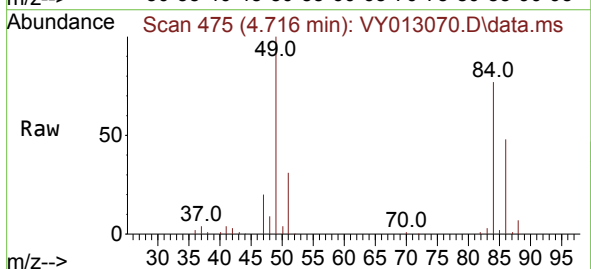
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

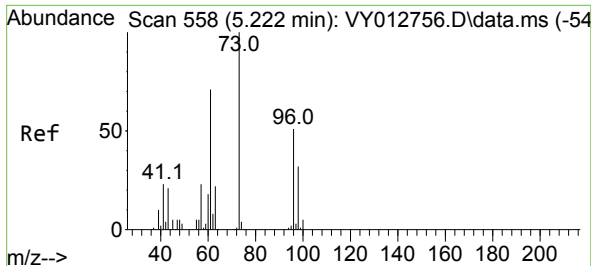
Tgt Ion: 73 Resp: 142758  
Ion Ratio Lower Upper  
73 100  
57 23.1 18.3 27.5



#20  
Methylene Chloride  
Concen: 57.702 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 84 Resp: 69807  
Ion Ratio Lower Upper  
84 100  
49 129.1 102.6 154.0  
51 39.7 31.9 47.9  
86 62.0 51.0 76.6

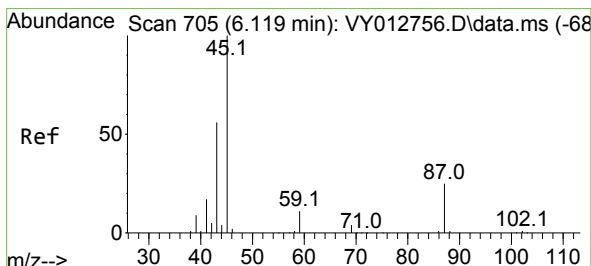
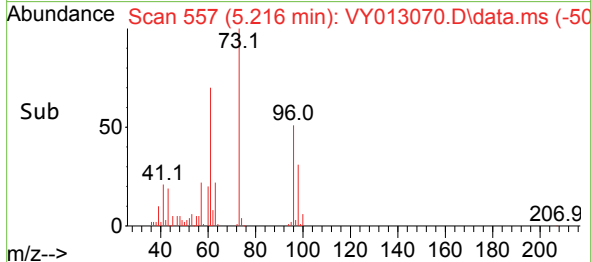
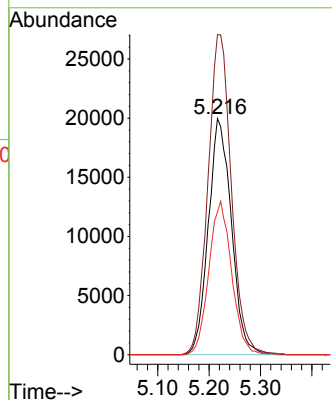
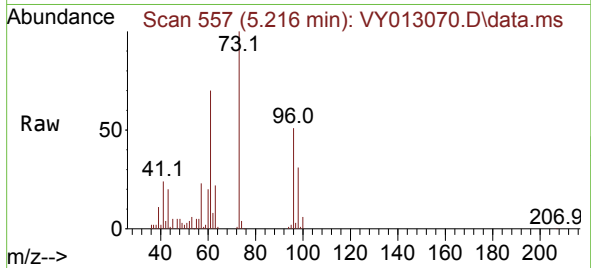




#21  
trans-1,2-Dichloroethene  
Concen: 53.850 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

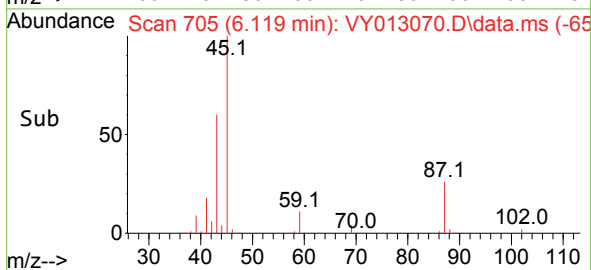
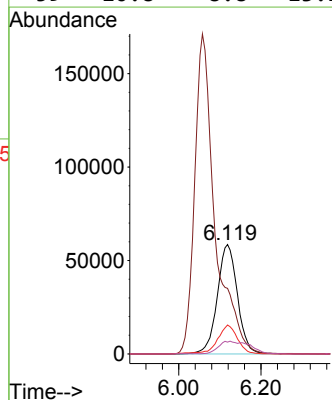
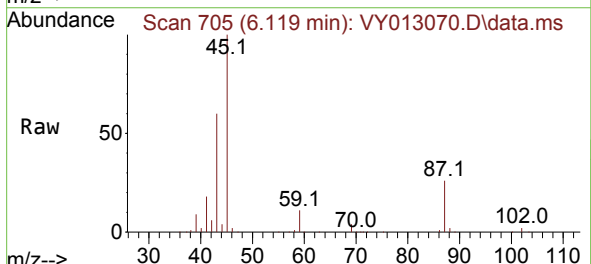
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

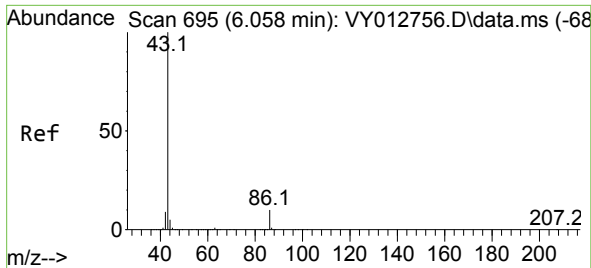
Tgt Ion: 96 Resp: 62196  
Ion Ratio Lower Upper  
96 100  
61 135.5 111.4 167.0  
98 60.4 50.8 76.2



#22  
Diisopropyl ether  
Concen: 55.773 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 45 Resp: 198881  
Ion Ratio Lower Upper  
45 100  
43 59.5 45.0 67.6  
87 26.5 20.3 30.5  
59 10.8 8.8 13.2

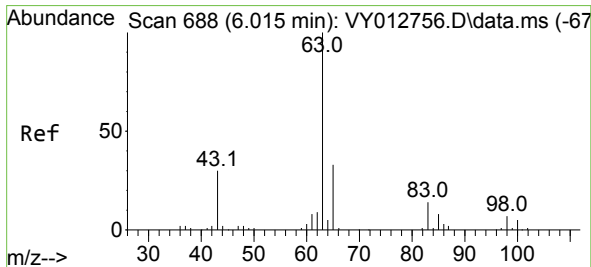
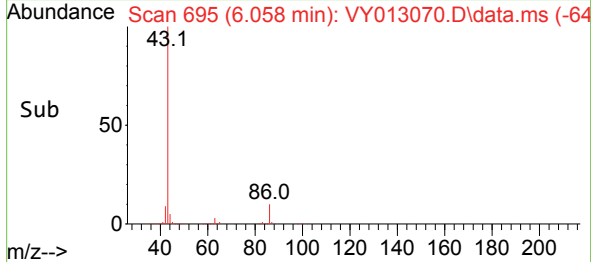
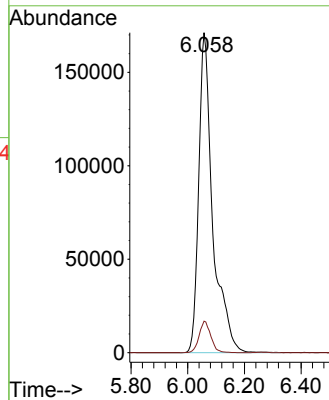
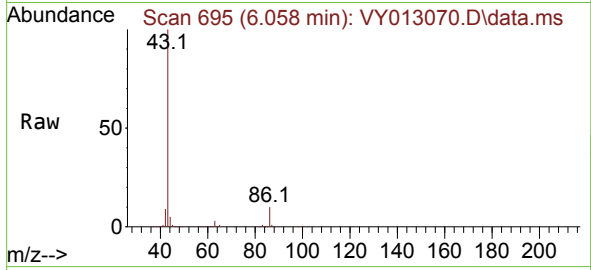




#23  
 Vinyl Acetate  
 Concen: 264.185 ug/l  
 RT: 6.058 min Scan# 695  
 Delta R.T. -0.000 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

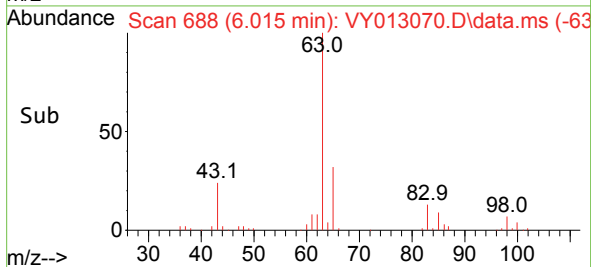
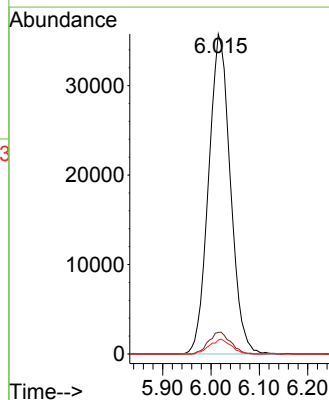
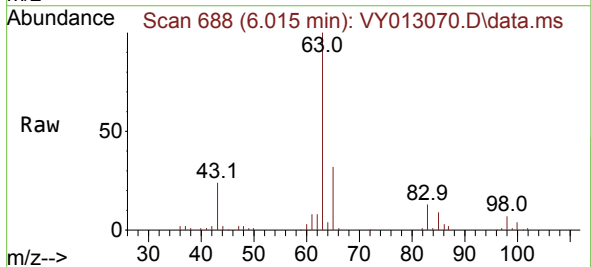
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

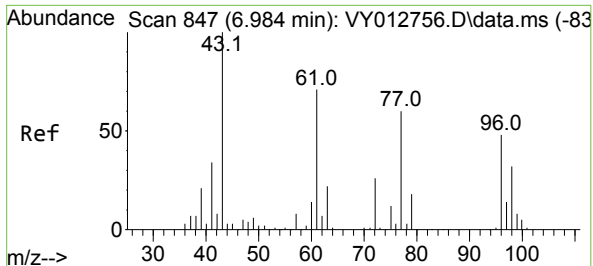
Tgt Ion: 43 Resp: 585337  
 Ion Ratio Lower Upper  
 43 100  
 86 9.9 7.8 11.8



#24  
 1,1-Dichloroethane  
 Concen: 55.074 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.000 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

Tgt Ion: 63 Resp: 111907  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.7 11.1  
 100 4.4 2.3 6.8





#25

2-Butanone

Concen: 253.578 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

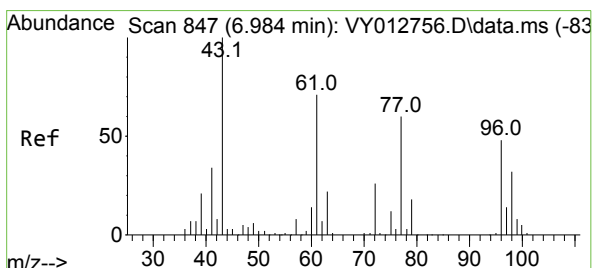
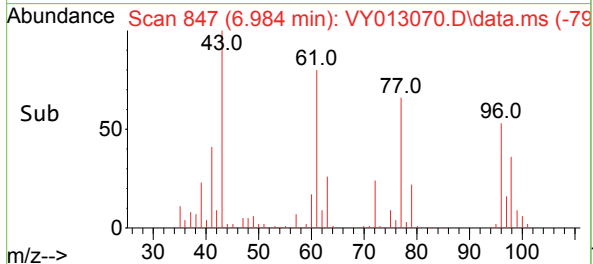
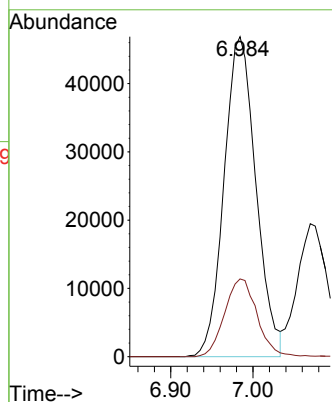
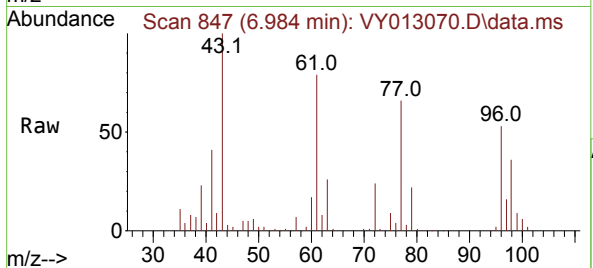
VSTDCCC050

Tgt Ion: 43 Resp: 126329

Ion Ratio Lower Upper

43 100

72 24.3 21.0 31.4



#26

2,2-Dichloropropane

Concen: 53.975 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY013070.D

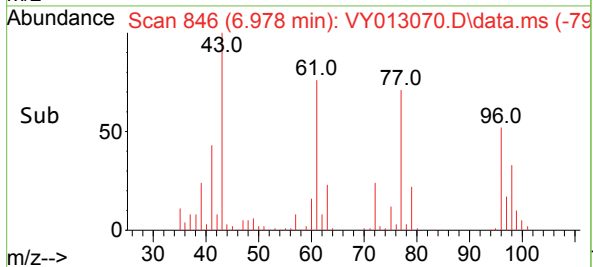
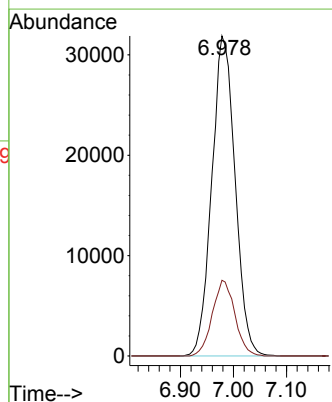
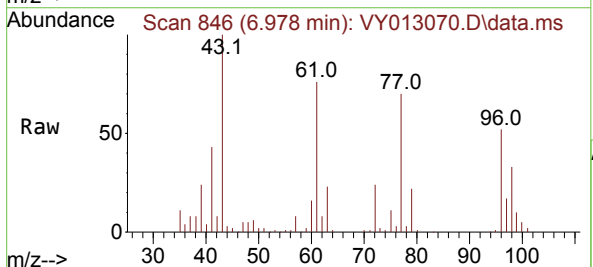
Acq: 24 Mar 2023 11:15

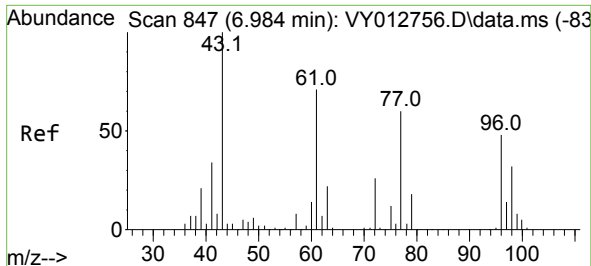
Tgt Ion: 77 Resp: 97409

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0



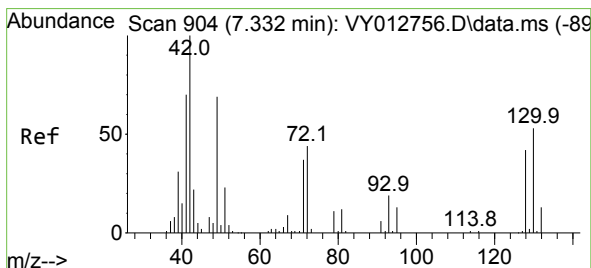
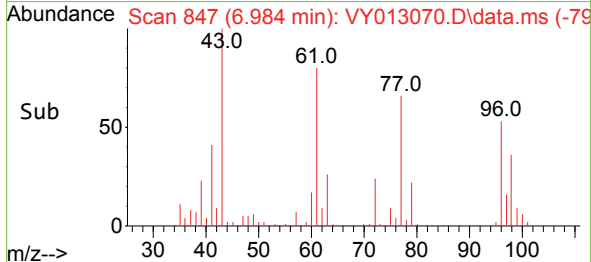
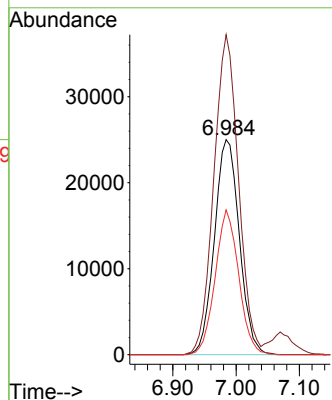
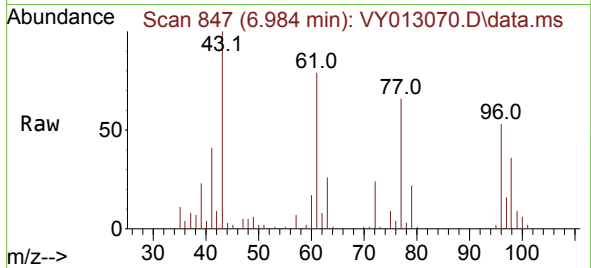


#27  
 cis-1,2-Dichloroethene  
 Concen: 55.335 ug/l  
 RT: 6.984 min Scan# 847  
 Delta R.T. 0.000 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 96 Resp: 68521  

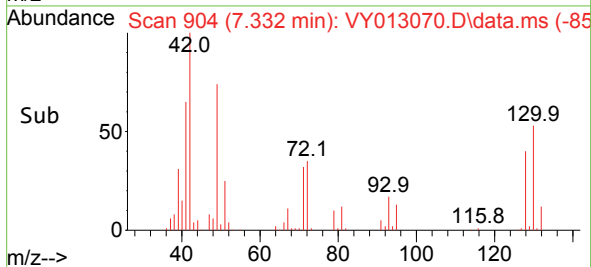
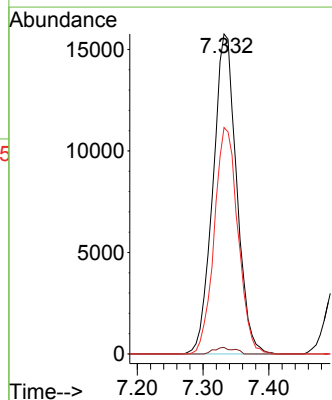
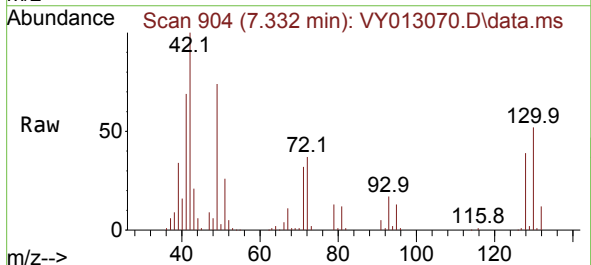
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 147.0 | 0.0   | 295.8 |
| 98  | 63.5  | 0.0   | 130.2 |

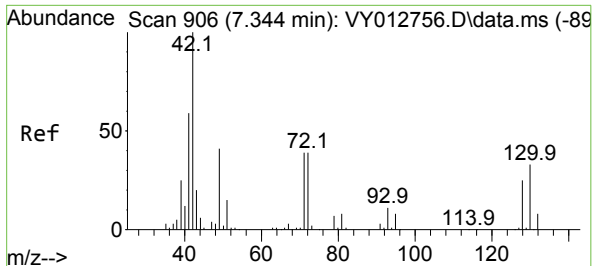


#28  
 Bromochloromethane  
 Concen: 53.109 ug/l  
 RT: 7.332 min Scan# 904  
 Delta R.T. -0.000 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

Tgt Ion: 49 Resp: 39437  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 1.8   | 0.0   | 4.2   |
| 130 | 70.9  | 60.5  | 90.7  |





#29

Tetrahydrofuran

Concen: 255.959 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

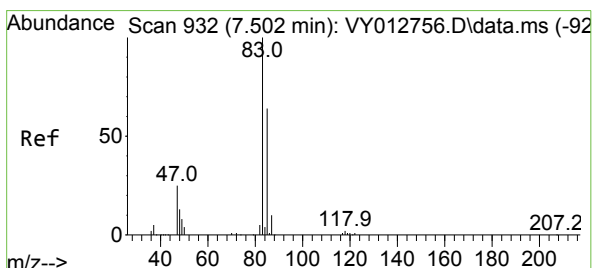
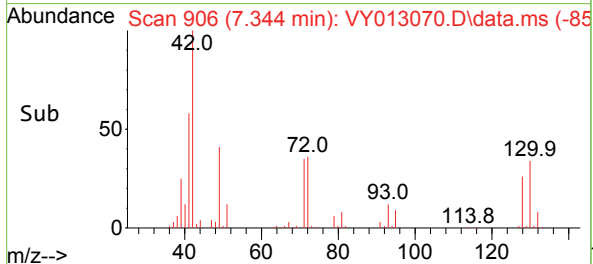
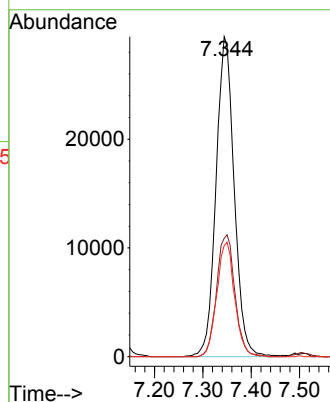
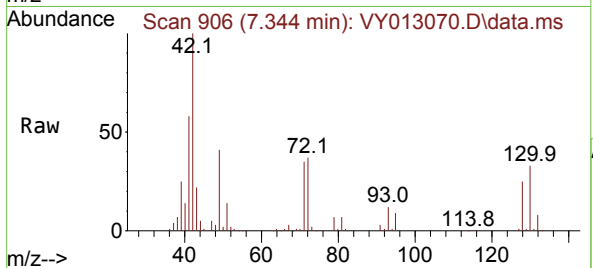
Tgt Ion: 42 Resp: 76907

Ion Ratio Lower Upper

42 100

72 38.4 32.3 48.5

71 35.2 30.3 45.5



#30

Chloroform

Concen: 52.945 ug/l

RT: 7.509 min Scan# 933

Delta R.T. 0.007 min

Lab File: VY013070.D

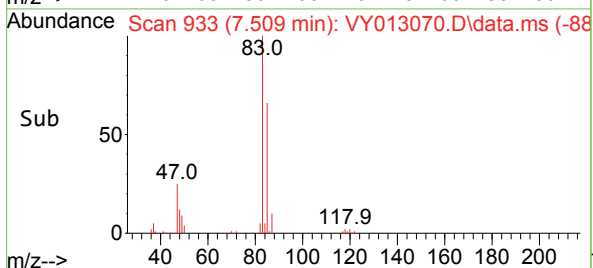
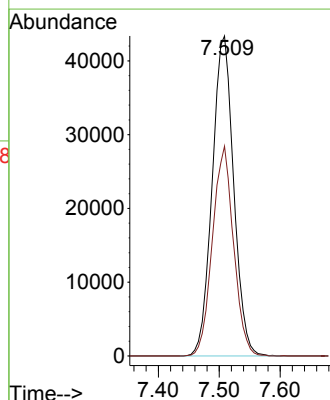
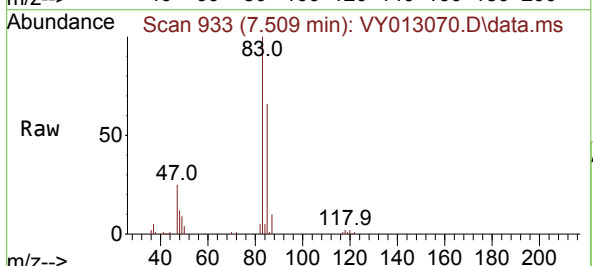
Acq: 24 Mar 2023 11:15

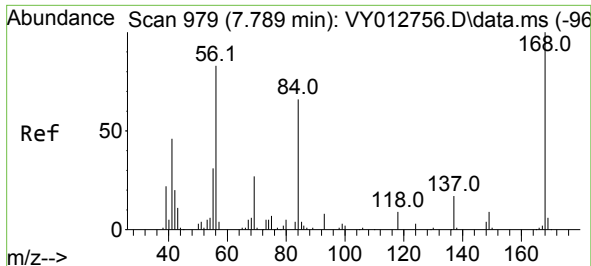
Tgt Ion: 83 Resp: 106264

Ion Ratio Lower Upper

83 100

85 65.5 51.4 77.0

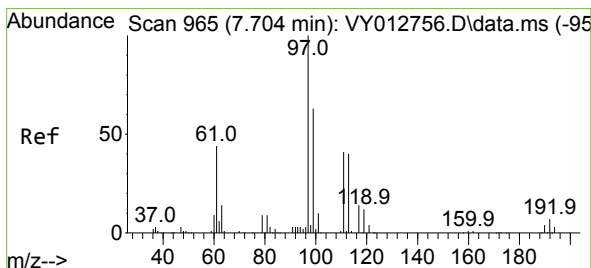
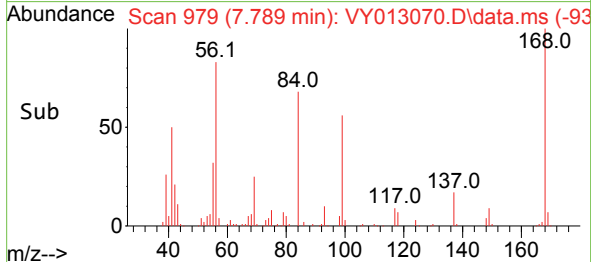
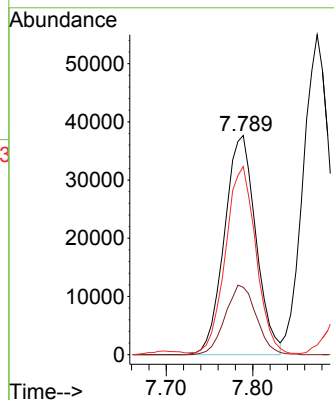
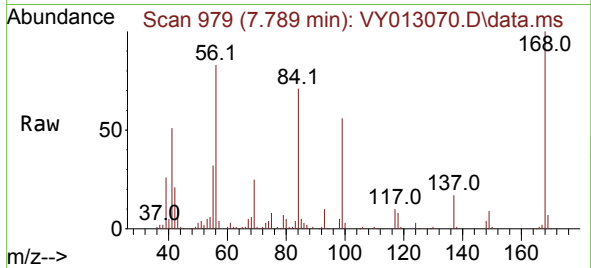




#31  
Cyclohexane  
Concen: 48.488 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

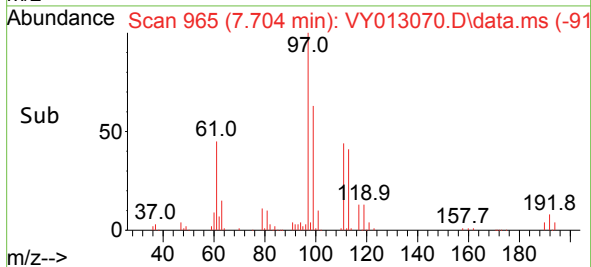
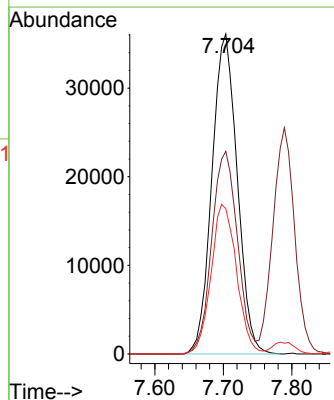
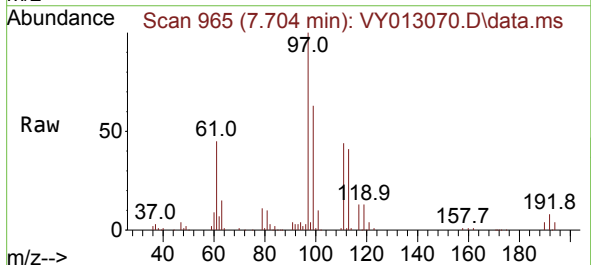
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

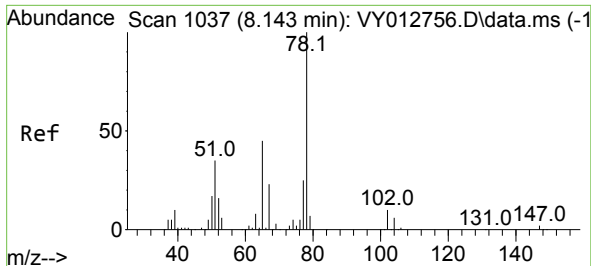
Tgt Ion: 56 Resp: 95162  
Ion Ratio Lower Upper  
56 100  
69 30.7 25.7 38.5  
84 84.5 64.3 96.5



#32  
1,1,1-Trichloroethane  
Concen: 51.018 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. -0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 97 Resp: 92601  
Ion Ratio Lower Upper  
97 100  
99 64.4 51.0 76.6  
61 47.2 34.5 51.7

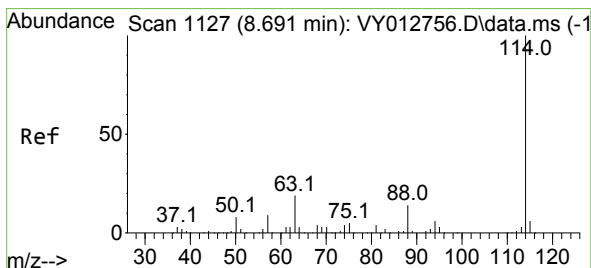
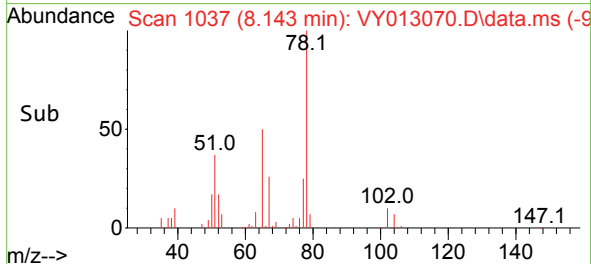
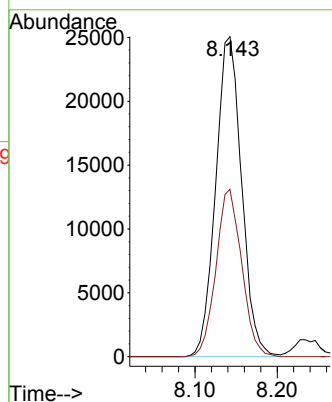
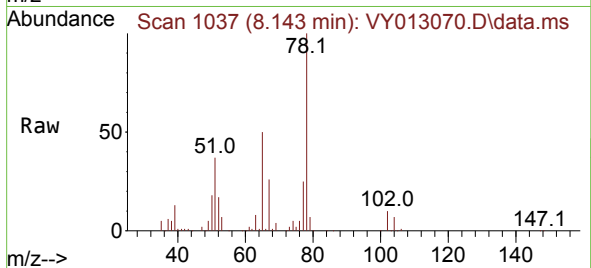




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.548 ug/l  
 RT: 8.143 min Scan# 1037  
 Delta R.T. -0.000 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

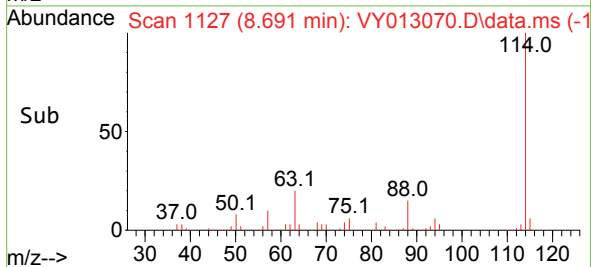
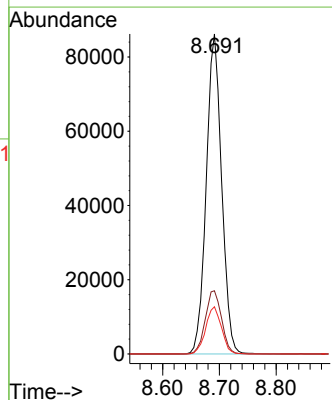
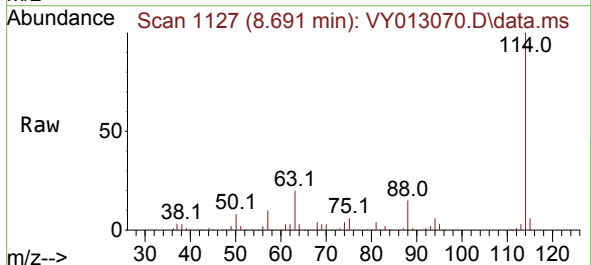
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 65 Resp: 54873  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

Tgt Ion: 114 Resp: 162261  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 37.4  
 88 14.8 0.0 28.6

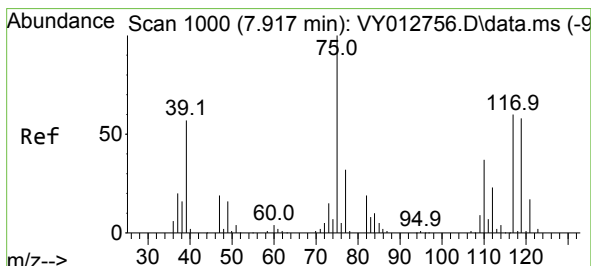
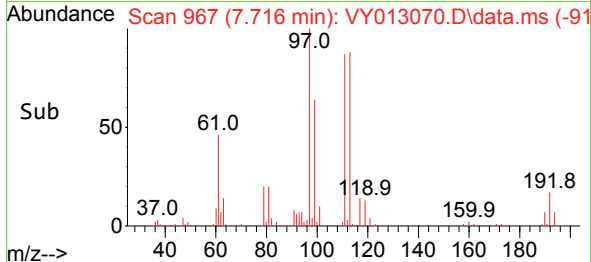
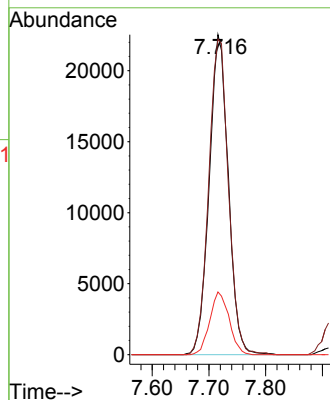
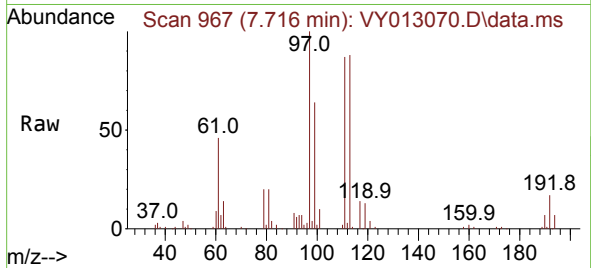




#35  
Dibromofluoromethane  
Concen: 53.808 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

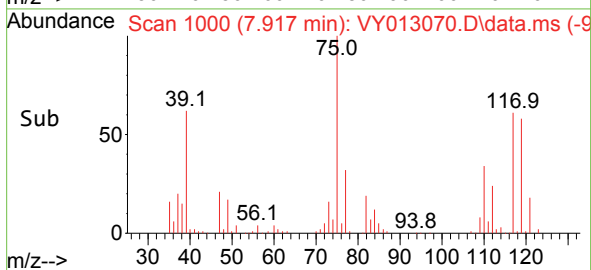
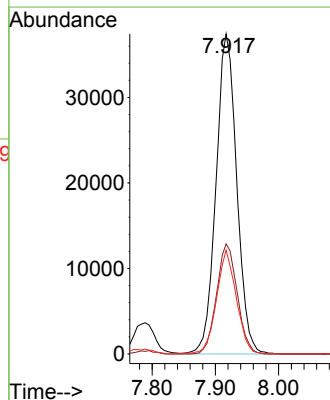
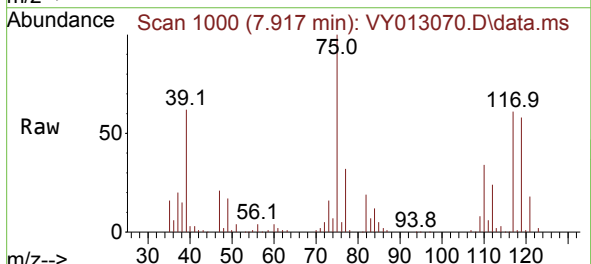
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

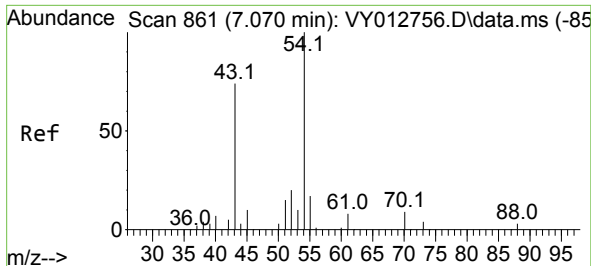
Tgt Ion:113 Resp: 52691  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.2 123.2  
192 19.8 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 51.742 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 75 Resp: 84909  
Ion Ratio Lower Upper  
75 100  
110 34.2 17.8 53.3  
77 31.1 25.0 37.4





#37

Ethyl Acetate

Concen: 50.241 ug/l

RT: 7.070 min Scan# 861

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

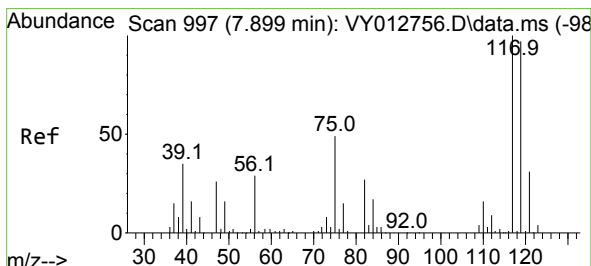
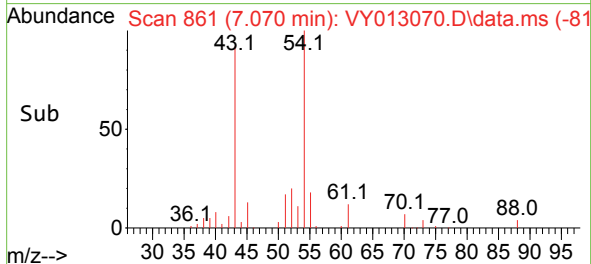
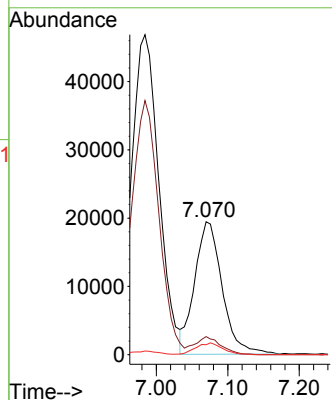
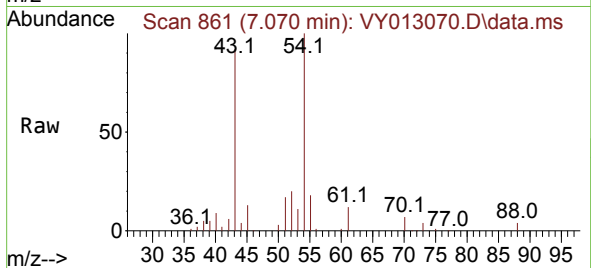
Tgt Ion: 43 Resp: 51964

Ion Ratio Lower Upper

43 100

61 12.1 10.7 16.1

70 8.6 7.8 11.8



#38

Carbon Tetrachloride

Concen: 52.728 ug/l

RT: 7.899 min Scan# 997

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

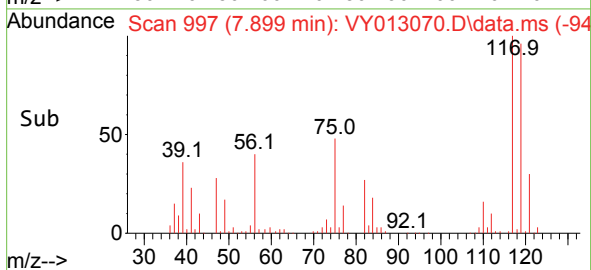
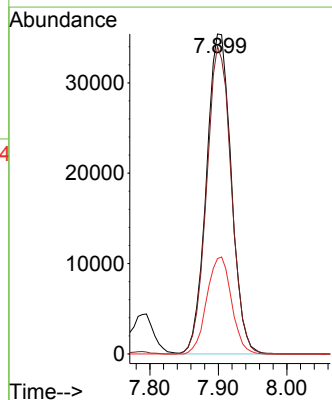
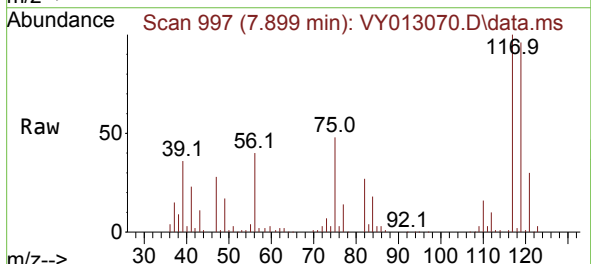
Tgt Ion: 117 Resp: 89352

Ion Ratio Lower Upper

117 100

119 96.1 77.2 115.8

121 29.8 24.7 37.1





#39

Methylcyclohexane

Concen: 52.014 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

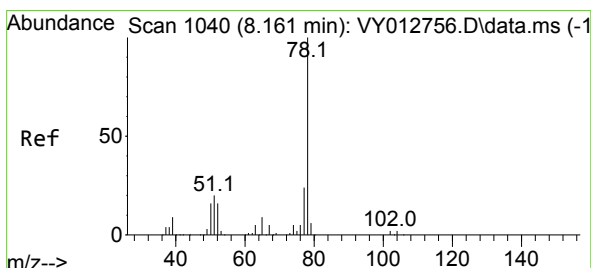
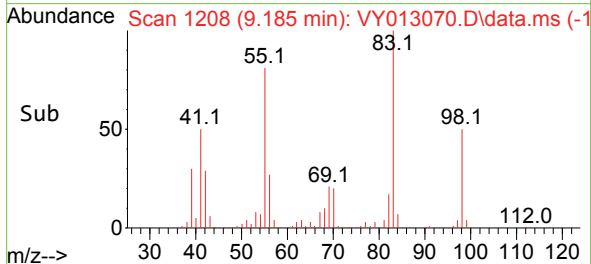
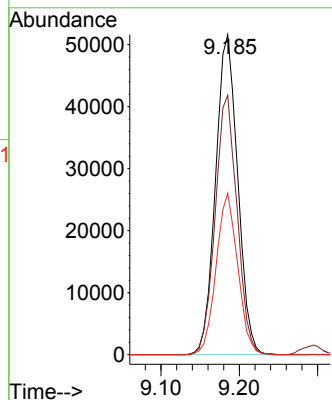
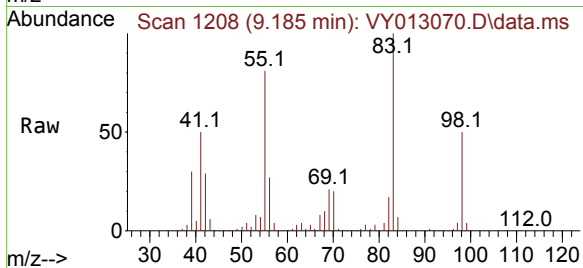
Tgt Ion: 83 Resp: 101476

Ion Ratio Lower Upper

83 100

55 81.1 60.0 90.0

98 50.4 38.3 57.5



#40

Benzene

Concen: 50.772 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY013070.D

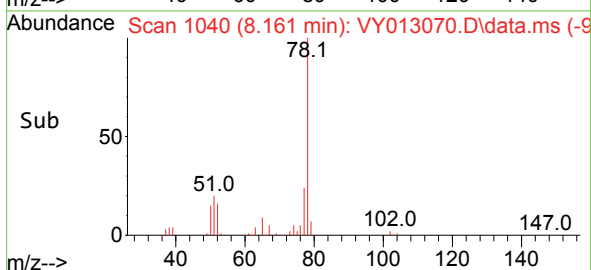
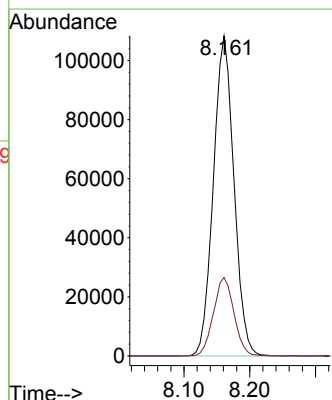
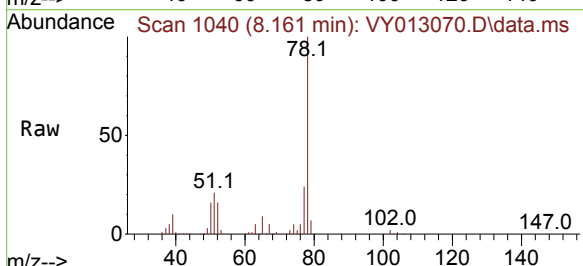
Acq: 24 Mar 2023 11:15

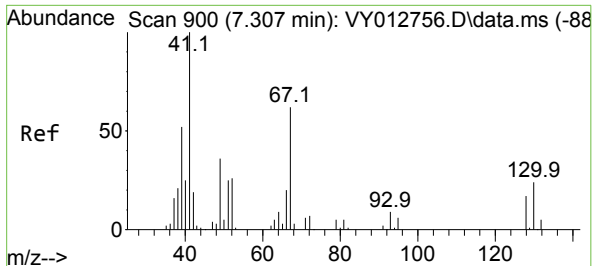
Tgt Ion: 78 Resp: 235678

Ion Ratio Lower Upper

78 100

77 24.5 19.4 29.0

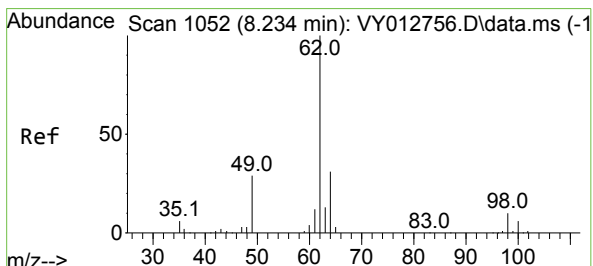
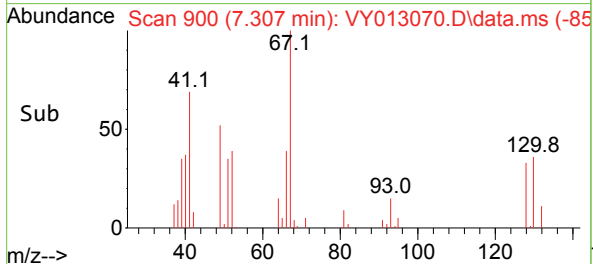
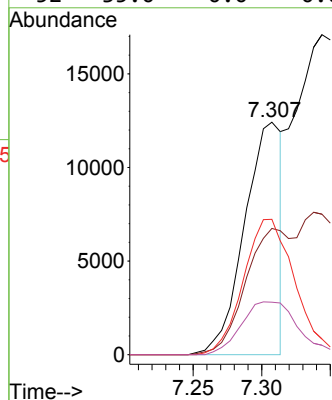
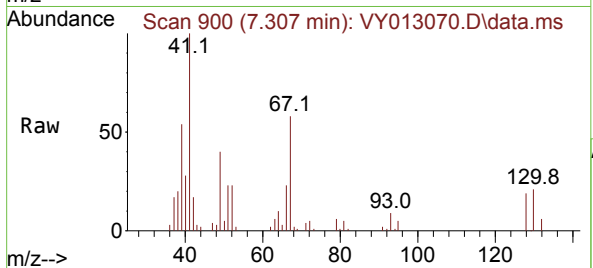




#41  
Methacrylonitrile  
Concen: 42.078 ug/l  
RT: 7.307 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

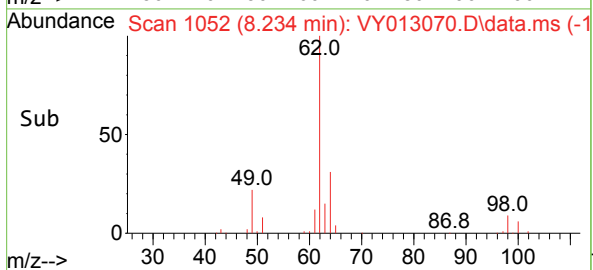
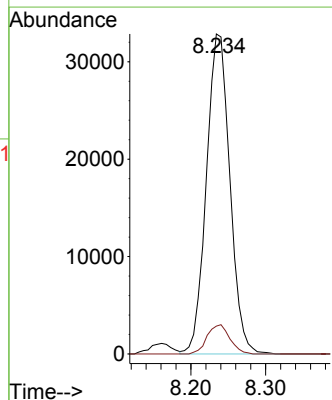
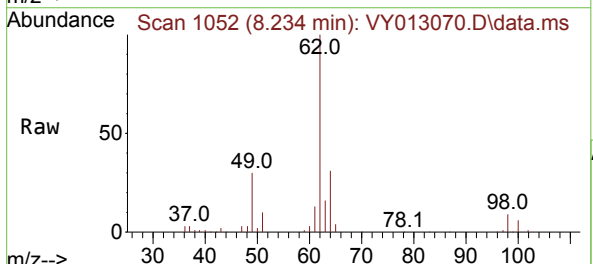
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

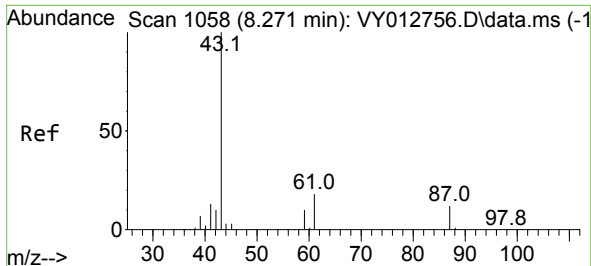
Tgt Ion: 41 Resp: 23448  
Ion Ratio Lower Upper  
41 100  
39 63.2 0.0 0.0#  
67 80.5 0.0 0.0#  
52 35.0 0.0 0.0#



#42  
1,2-Dichloroethane  
Concen: 51.460 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 62 Resp: 71816  
Ion Ratio Lower Upper  
62 100  
98 8.8 0.0 18.8

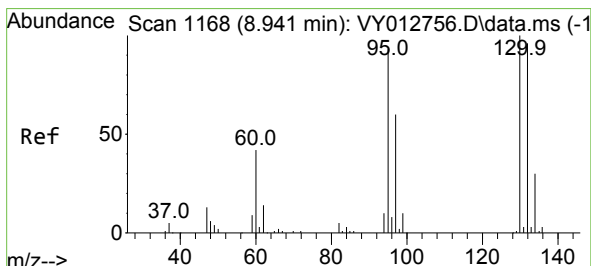
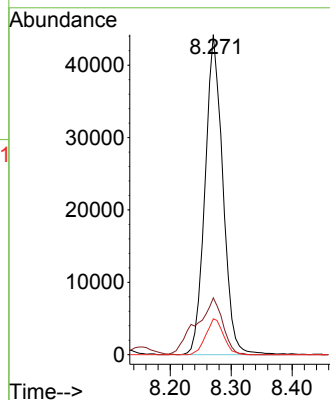
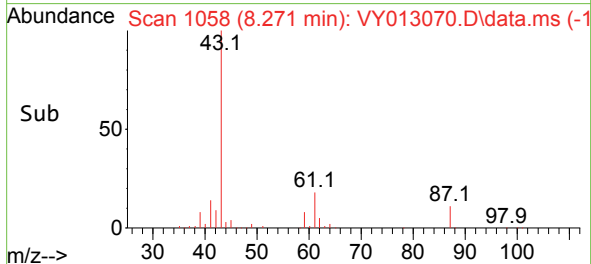
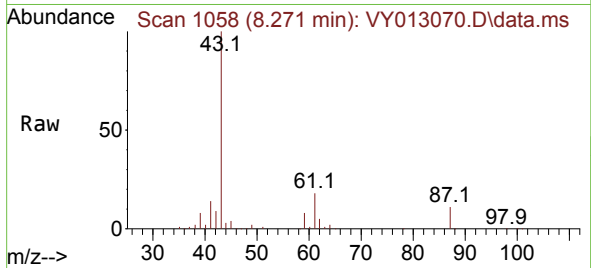




#43  
Isopropyl Acetate  
Concen: 48.584 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

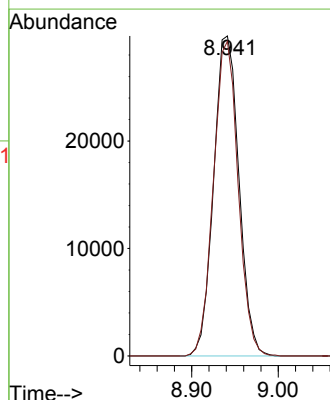
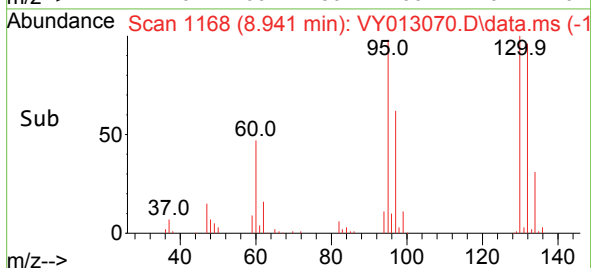
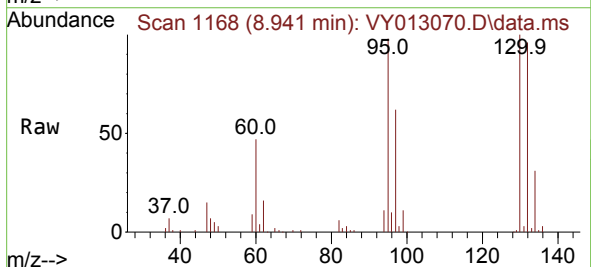
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

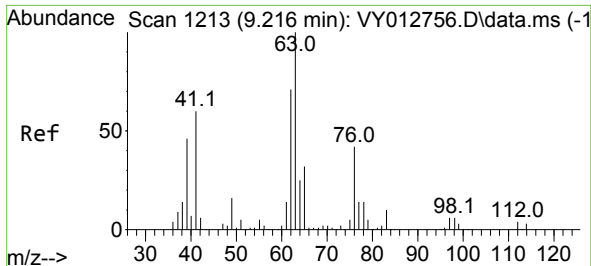
Tgt Ion: 43 Resp: 89652  
Ion Ratio Lower Upper  
43 100  
61 26.4 21.6 32.4  
87 11.2 9.9 14.9



#44  
Trichloroethene  
Concen: 49.299 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 130 Resp: 60335  
Ion Ratio Lower Upper  
130 100  
95 98.3 0.0 185.0

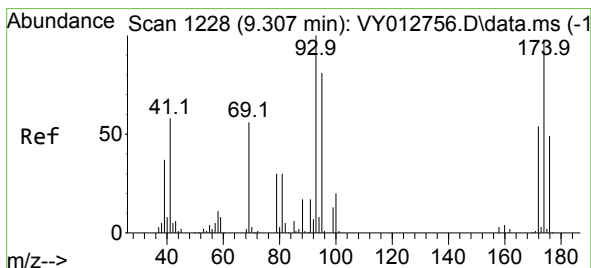
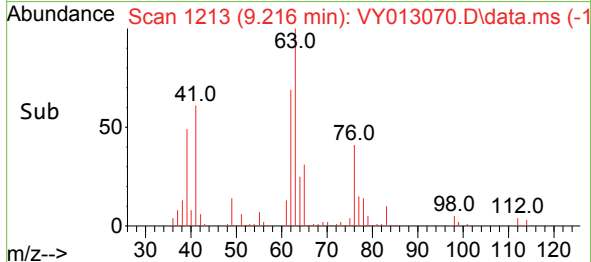
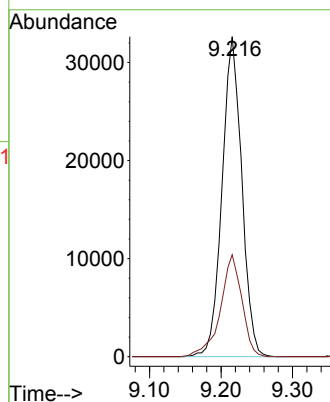
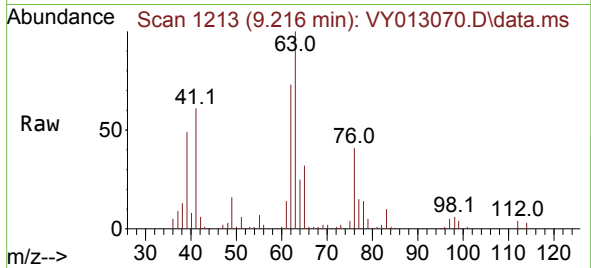




#45  
1,2-Dichloropropane  
Concen: 53.210 ug/l  
RT: 9.216 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

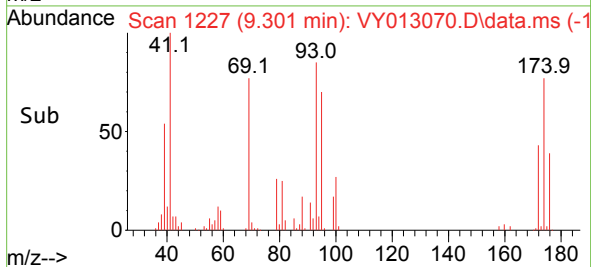
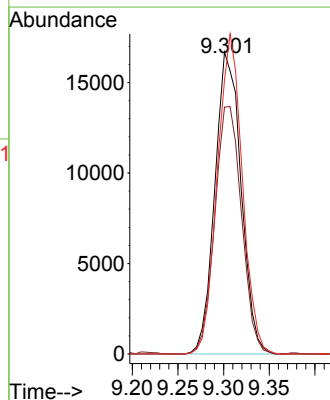
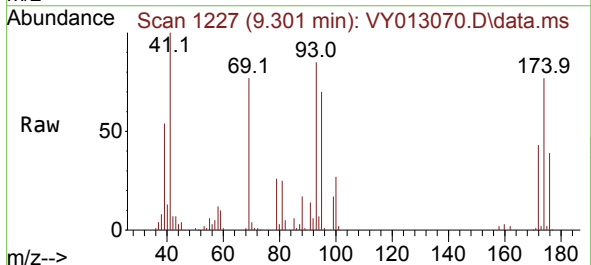
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

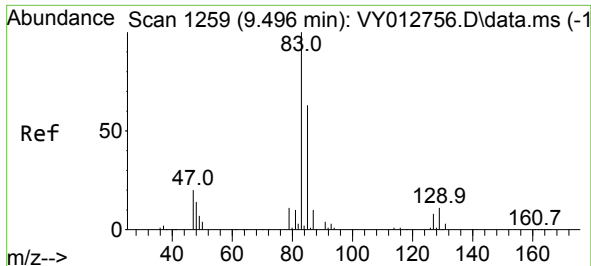
Tgt Ion: 63 Resp: 62423  
Ion Ratio Lower Upper  
63 100  
65 31.9 25.7 38.5



#46  
Dibromomethane  
Concen: 49.696 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. -0.006 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 93 Resp: 33214  
Ion Ratio Lower Upper  
93 100  
95 83.7 65.6 98.4  
174 101.4 81.3 121.9

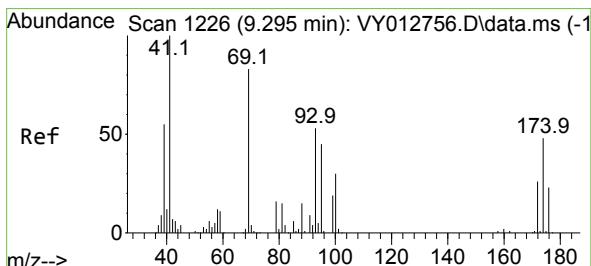
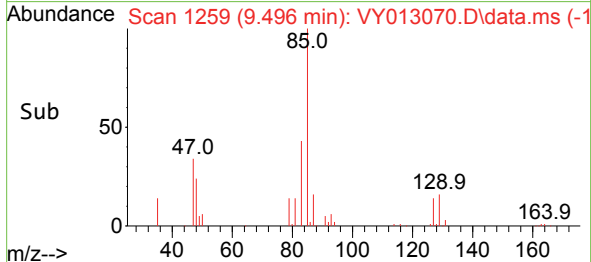
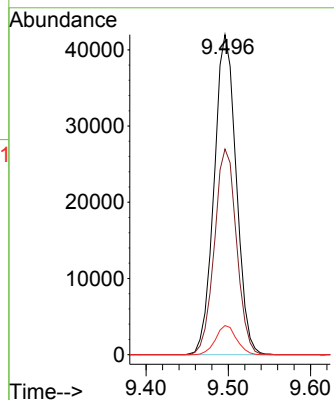
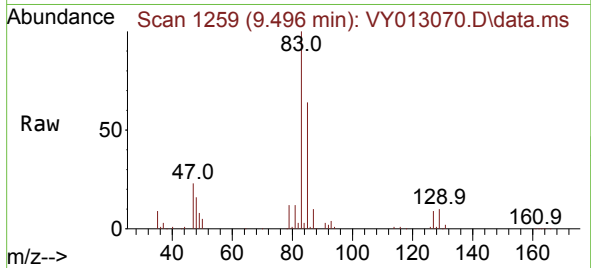




#47  
Bromodichloromethane  
Concen: 49.769 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

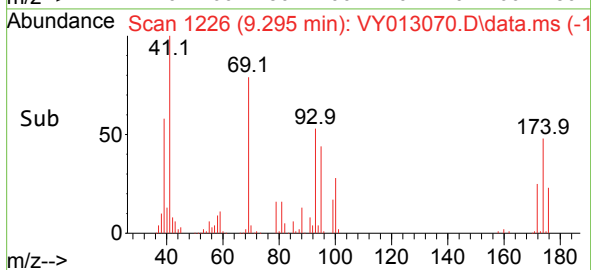
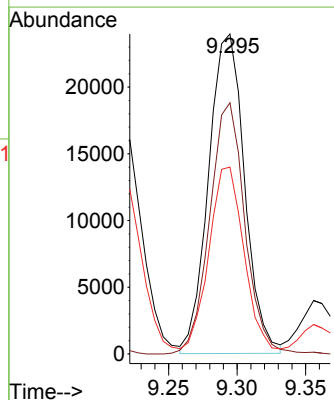
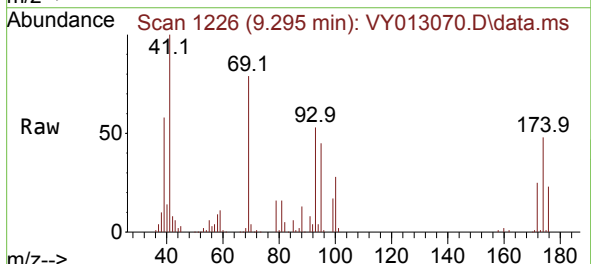
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

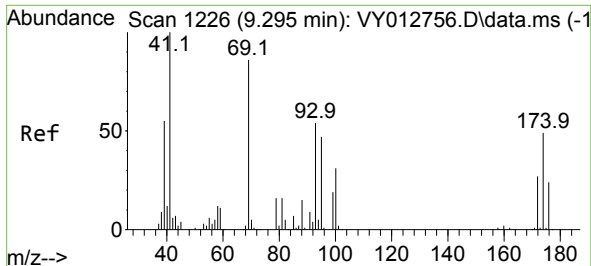
Tgt Ion: 83 Resp: 78385  
Ion Ratio Lower Upper  
83 100  
85 64.3 50.2 75.4  
127 9.1 6.3 9.5



#48  
Methyl methacrylate  
Concen: 51.532 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 41 Resp: 43816  
Ion Ratio Lower Upper  
41 100  
69 76.9 64.1 96.1  
39 54.7 44.0 66.0





#49

1,4-Dioxane

Concen: 1000.237 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

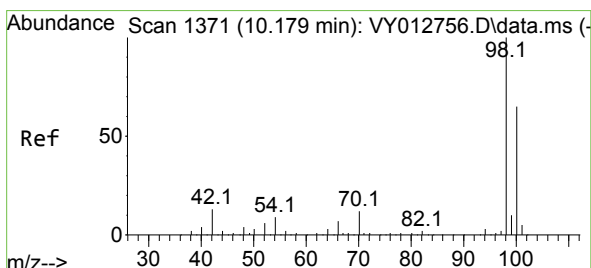
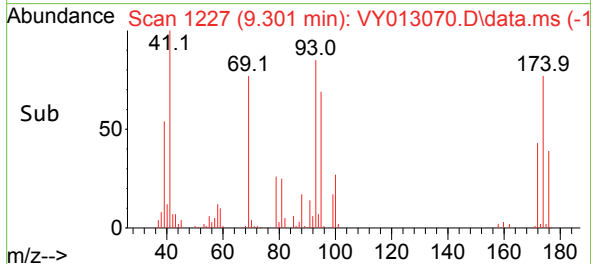
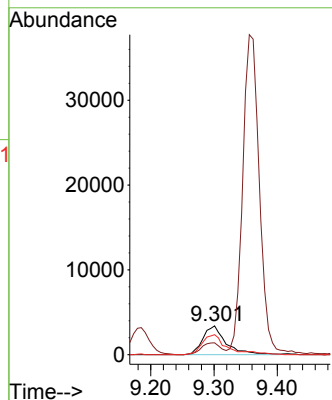
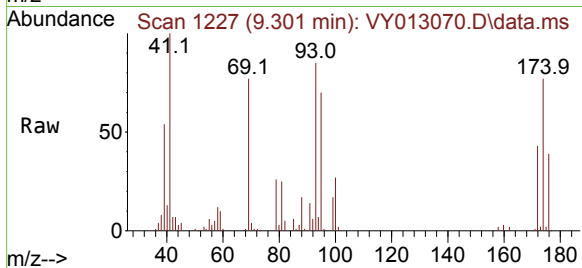
Tgt Ion: 88 Resp: 8642

Ion Ratio Lower Upper

88 100

43 35.0 28.6 42.8

58 67.9 55.2 82.8



#50

Toluene-d8

Concen: 46.635 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY013070.D

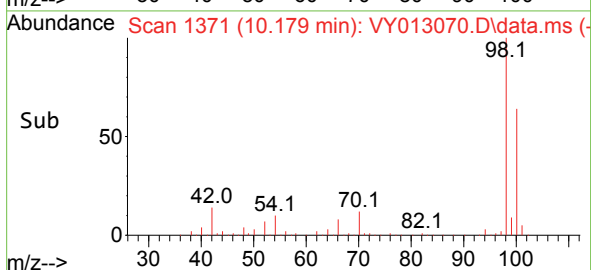
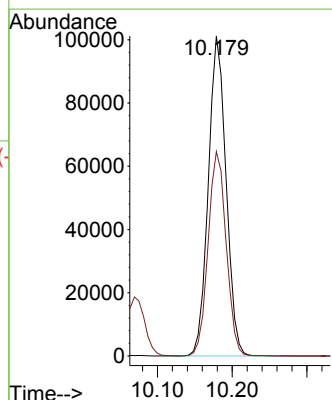
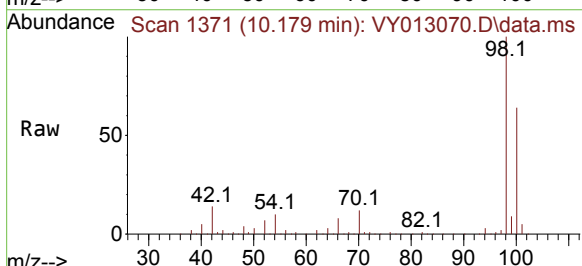
Acq: 24 Mar 2023 11:15

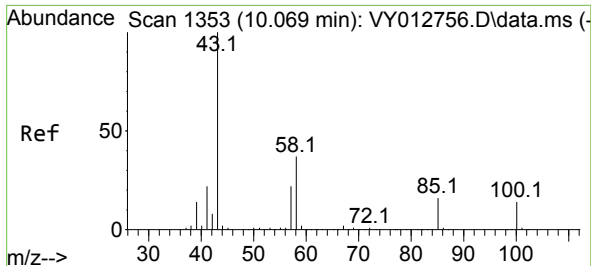
Tgt Ion: 98 Resp: 166948

Ion Ratio Lower Upper

98 100

100 65.0 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 243.858 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

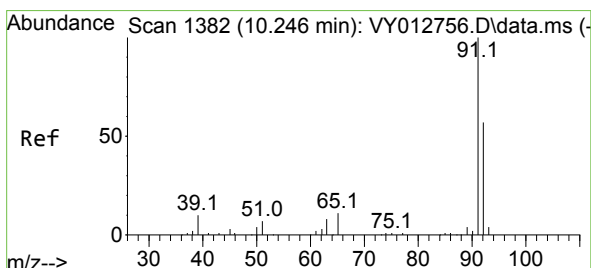
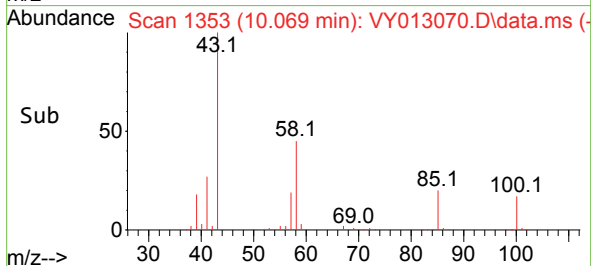
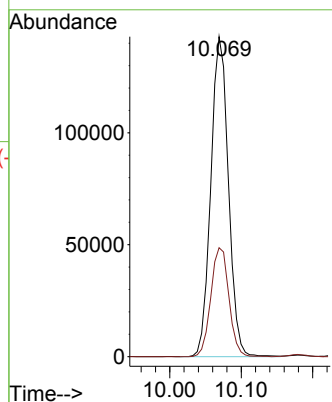
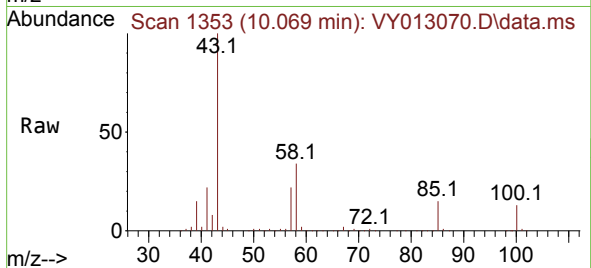
VSTDCCC050

Tgt Ion: 43 Resp: 244093

Ion Ratio Lower Upper

43 100

58 35.0 29.8 44.6



#52

Toluene

Concen: 50.245 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.000 min

Lab File: VY013070.D

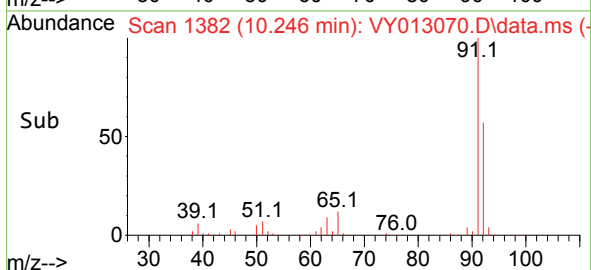
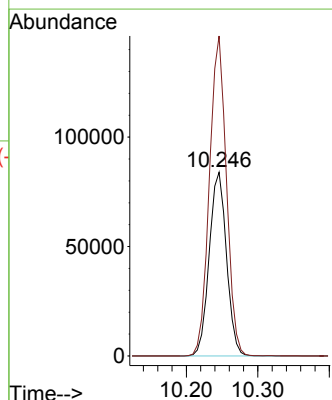
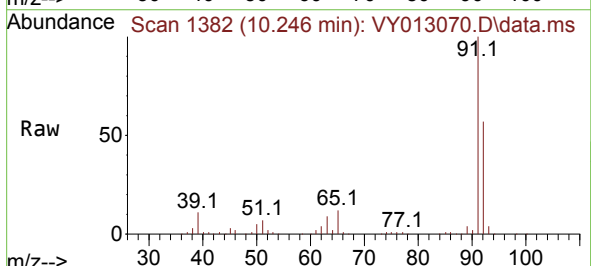
Acq: 24 Mar 2023 11:15

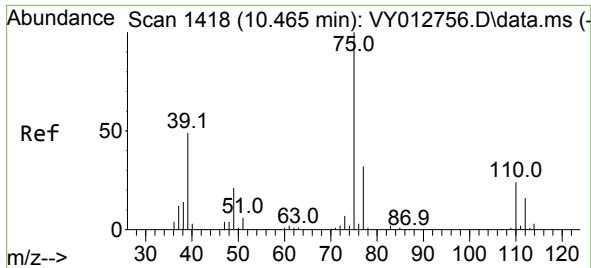
Tgt Ion: 92 Resp: 140659

Ion Ratio Lower Upper

92 100

91 171.8 141.3 211.9

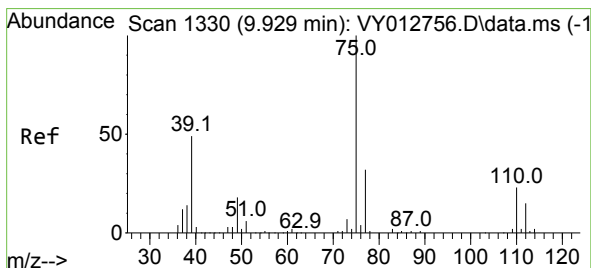
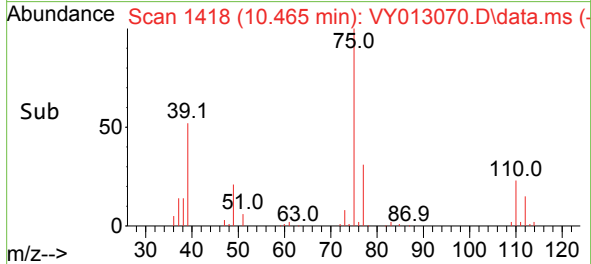
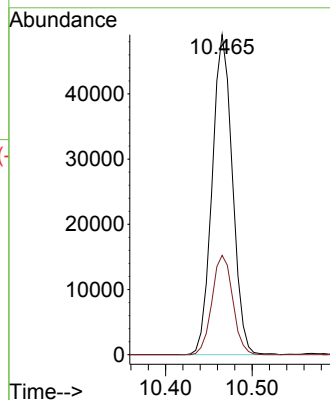
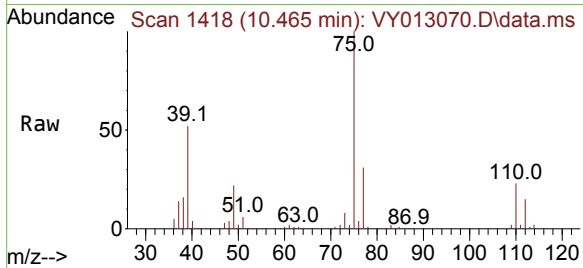




#53  
 t-1,3-Dichloropropene  
 Concen: 48.373 ug/l  
 RT: 10.465 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

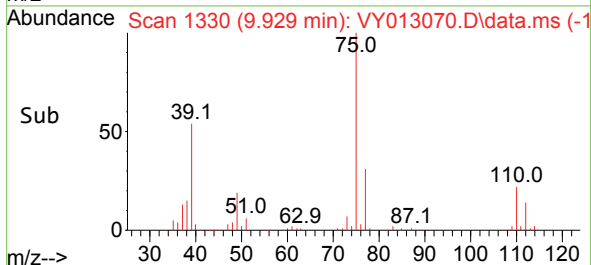
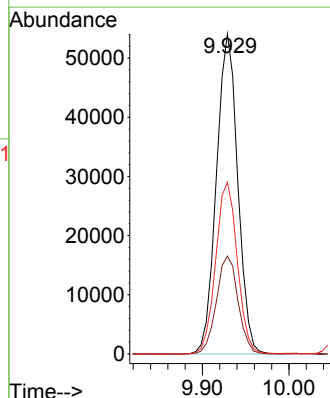
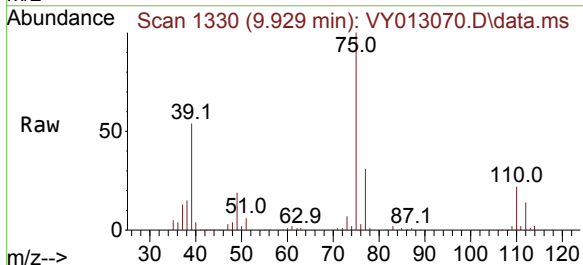
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

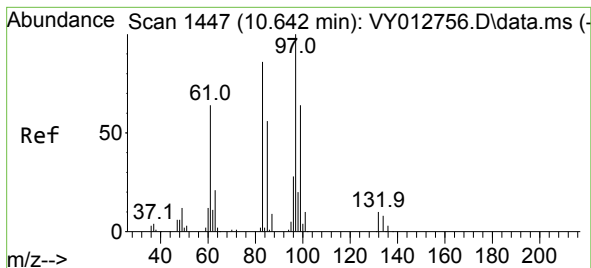
Tgt Ion: 75 Resp: 79911  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 25.4 38.2



#54  
 cis-1,3-Dichloropropene  
 Concen: 49.463 ug/l  
 RT: 9.929 min Scan# 1330  
 Delta R.T. 0.000 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

Tgt Ion: 75 Resp: 92488  
 Ion Ratio Lower Upper  
 75 100  
 77 30.6 25.4 38.0  
 39 53.7 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 45.593 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 42436

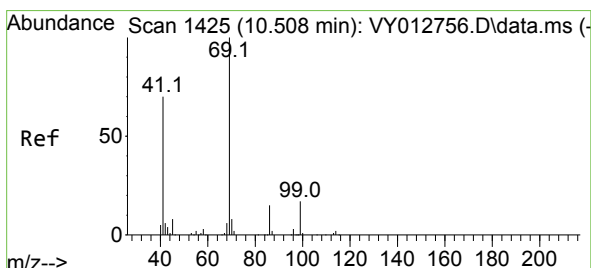
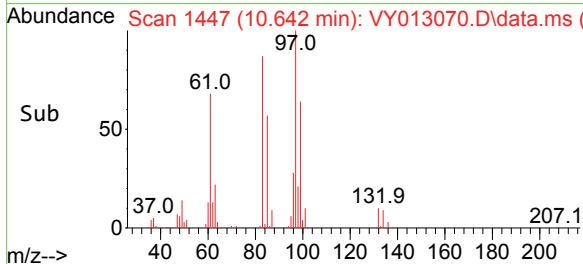
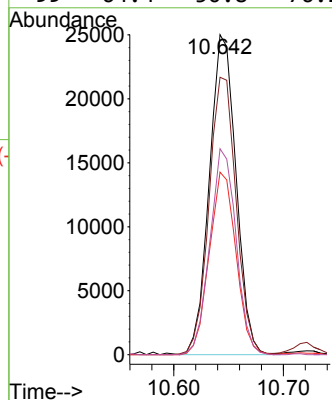
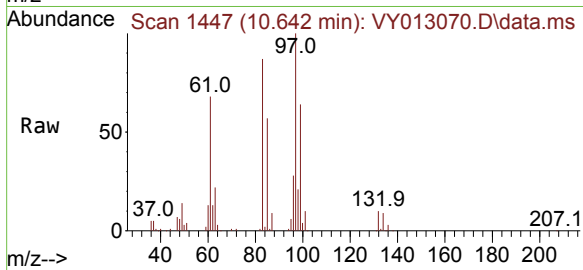
Ion Ratio Lower Upper

97 100

83 86.4 69.0 103.6

85 57.0 44.9 67.3

99 64.4 50.8 76.2



#56

Ethyl methacrylate

Concen: 47.138 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

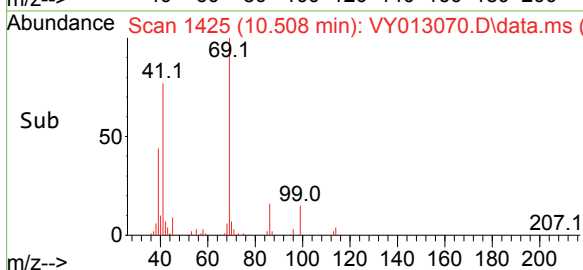
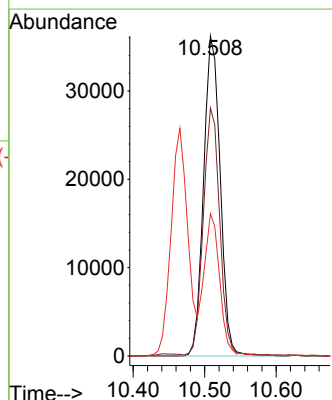
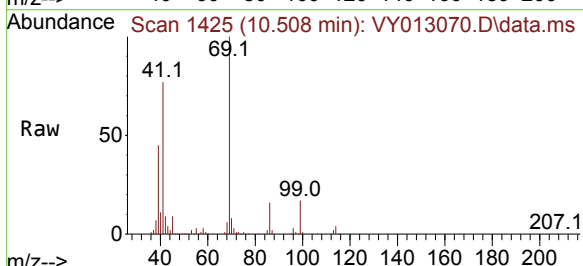
Tgt Ion: 69 Resp: 58502

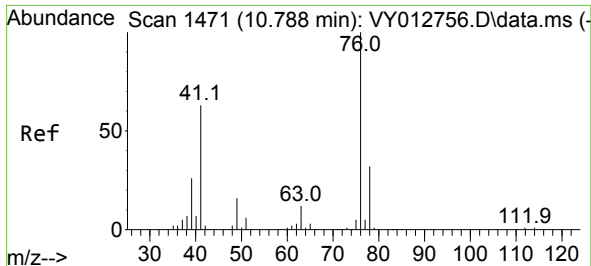
Ion Ratio Lower Upper

69 100

41 76.1 56.4 84.6

39 41.5 30.8 46.2





#57

1,3-Dichloropropane

Concen: 47.022 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

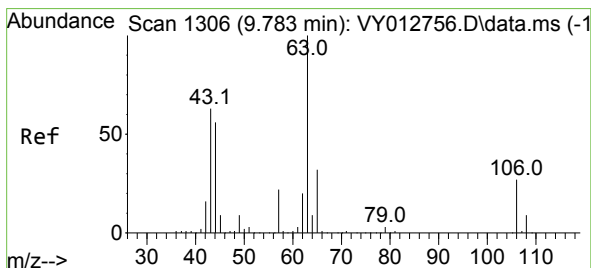
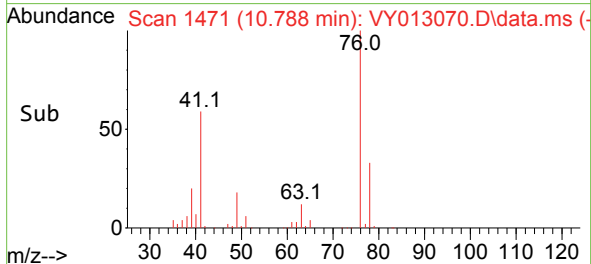
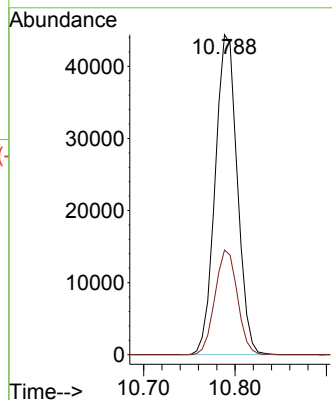
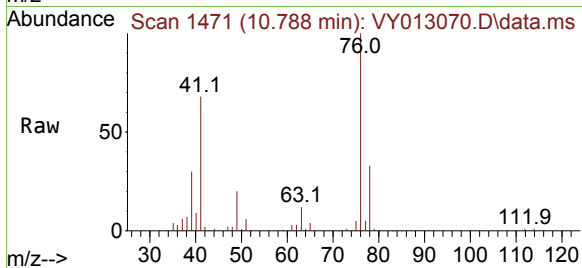
VSTDCCC050

Tgt Ion: 76 Resp: 74545

Ion Ratio Lower Upper

76 100

78 33.2 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 235.728 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY013070.D

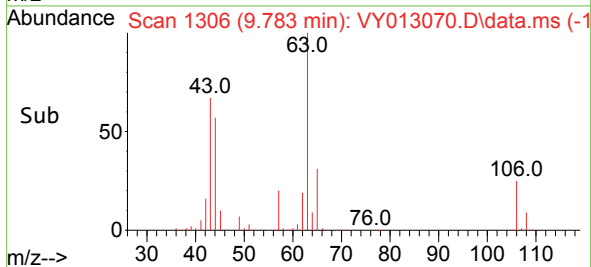
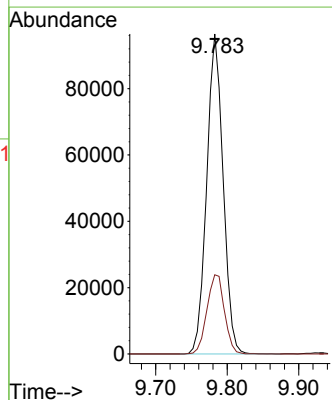
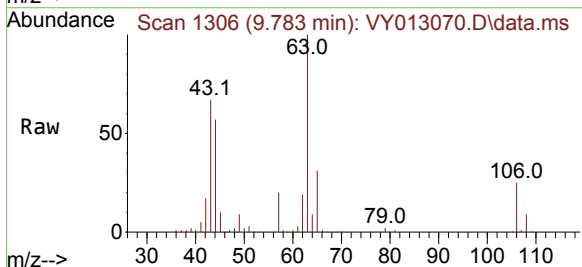
Acq: 24 Mar 2023 11:15

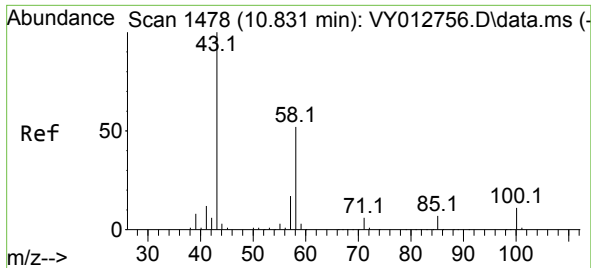
Tgt Ion: 63 Resp: 153579

Ion Ratio Lower Upper

63 100

106 26.4 22.1 33.1

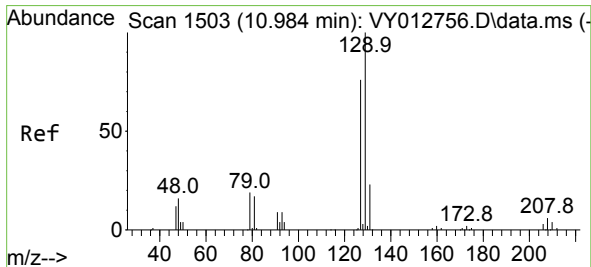
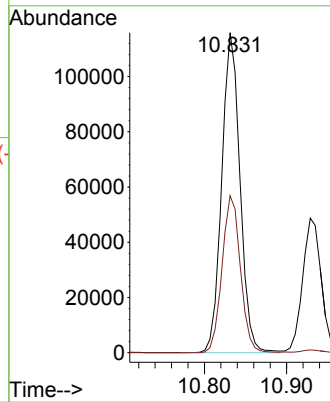
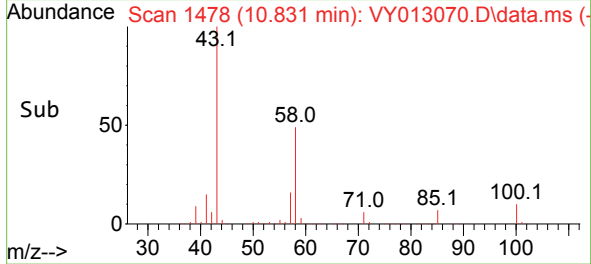
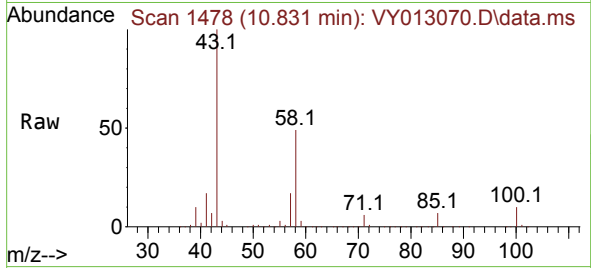




#59  
2-Hexanone  
Concen: 245.897 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

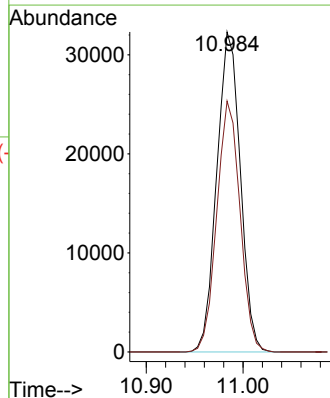
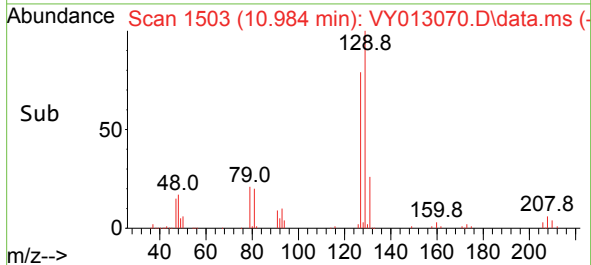
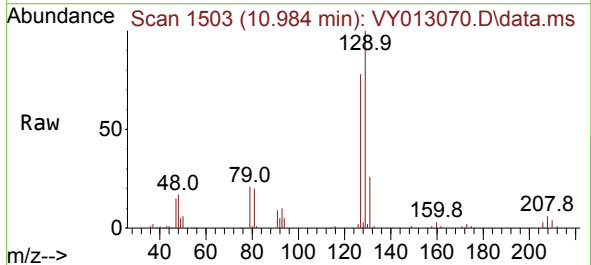
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

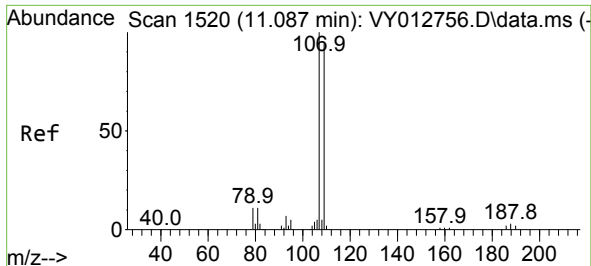
Tgt Ion: 43 Resp: 178886  
Ion Ratio Lower Upper  
43 100  
58 49.3 25.9 77.8



#60  
Dibromochloromethane  
Concen: 48.101 ug/l  
RT: 10.984 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 129 Resp: 54498  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.7 116.1

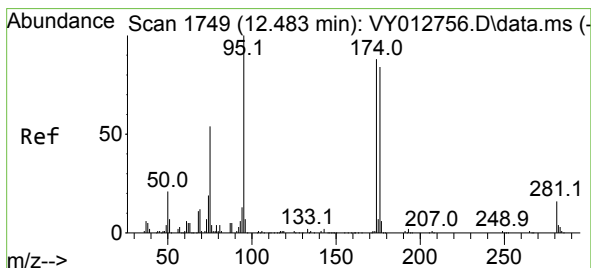
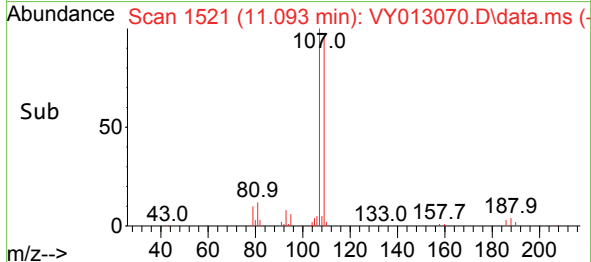
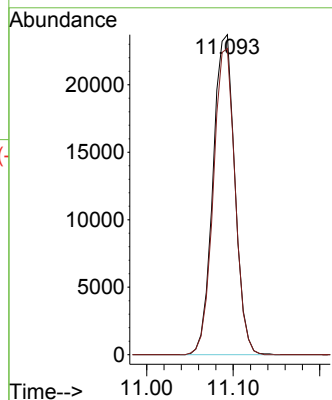
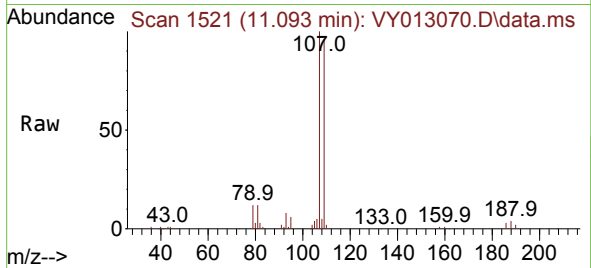




#61  
1,2-Dibromoethane  
Concen: 46.340 ug/l  
RT: 11.093 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

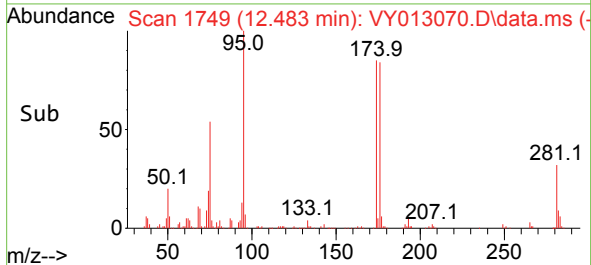
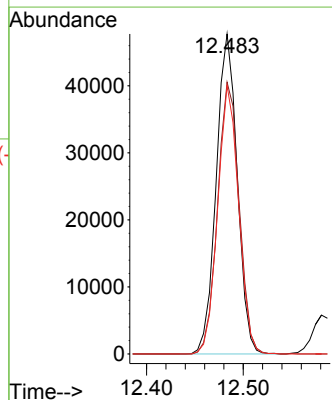
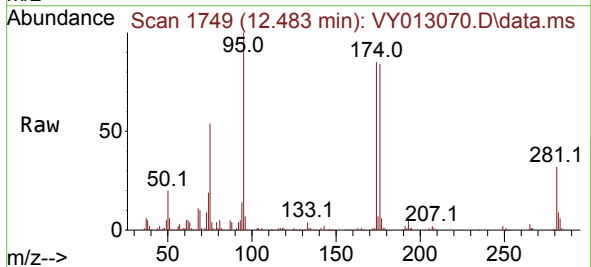
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

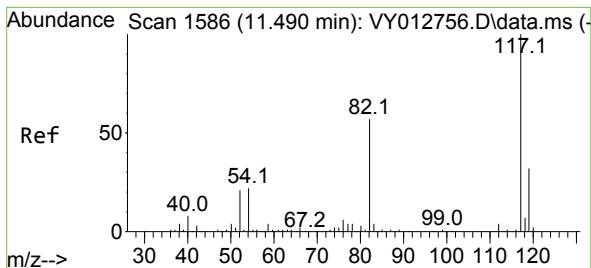
Tgt Ion:107 Resp: 41548  
Ion Ratio Lower Upper  
107 100  
109 95.1 75.0 112.6



#62  
4-Bromofluorobenzene  
Concen: 59.460 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 95 Resp: 71846  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 176.6  
176 83.6 0.0 170.2

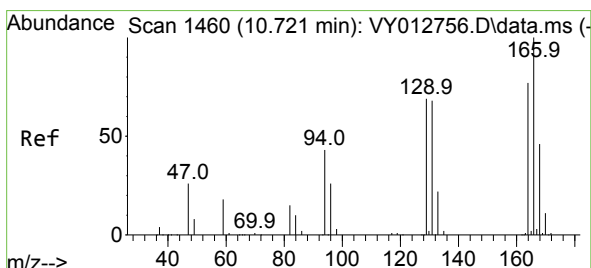
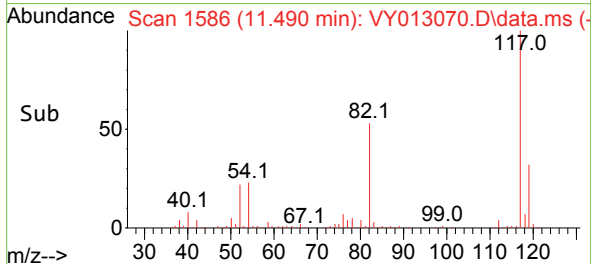
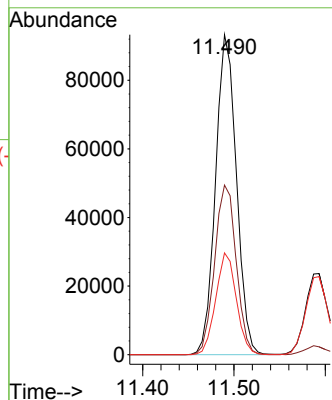
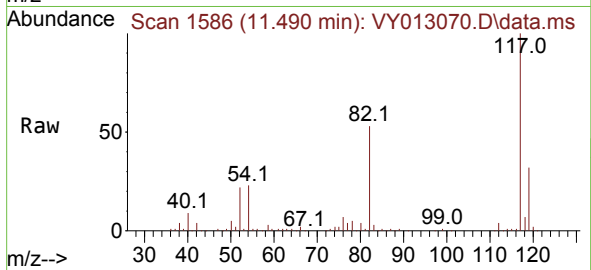




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

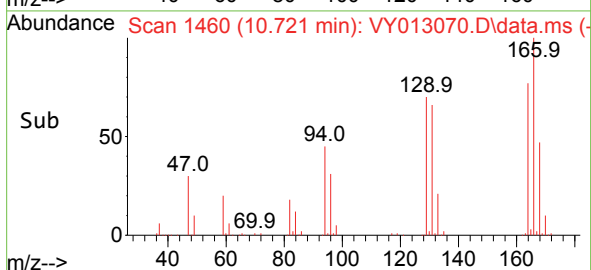
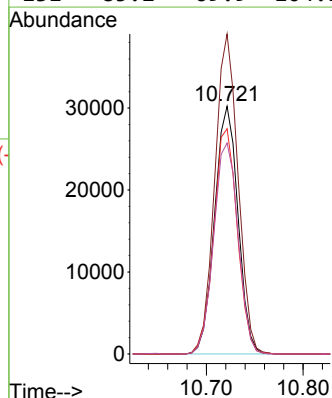
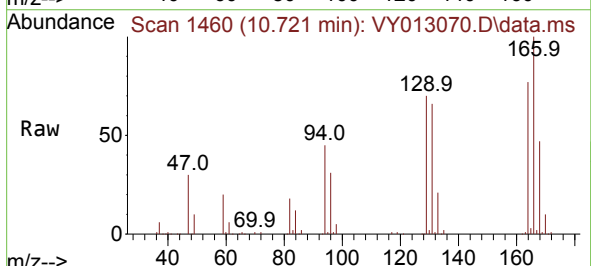
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

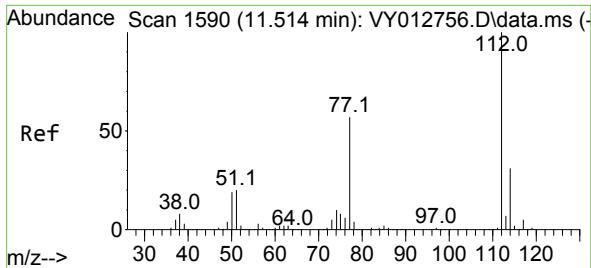
Tgt Ion:117 Resp: 148012  
Ion Ratio Lower Upper  
117 100  
82 53.0 45.4 68.0  
119 31.8 25.6 38.4



#64  
Tetrachloroethene  
Concen: 47.080 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion:164 Resp: 50735  
Ion Ratio Lower Upper  
164 100  
166 129.2 103.4 155.2  
129 90.9 71.4 107.2  
131 85.2 69.9 104.9

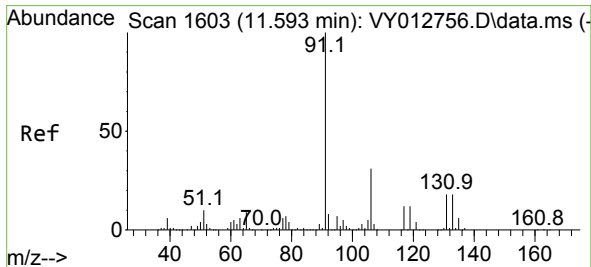
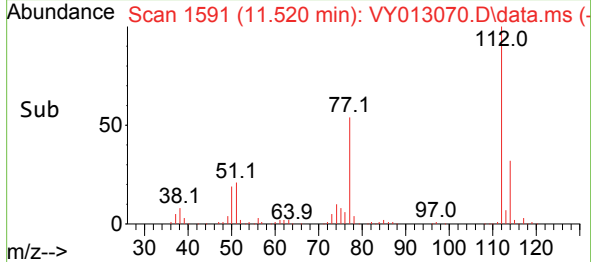
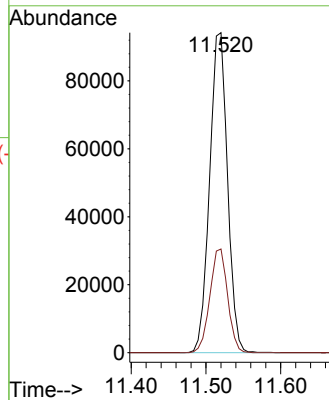
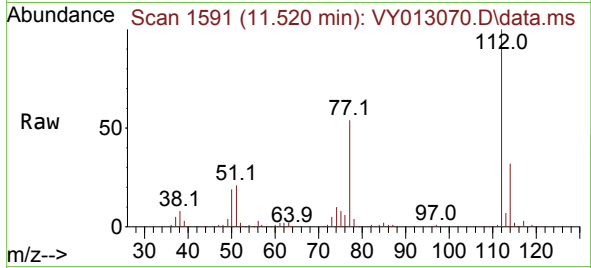




#65  
Chlorobenzene  
Concen: 50.428 ug/l  
RT: 11.520 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

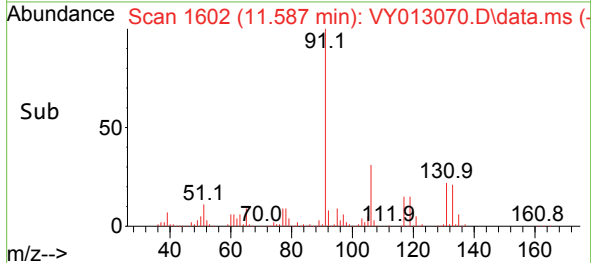
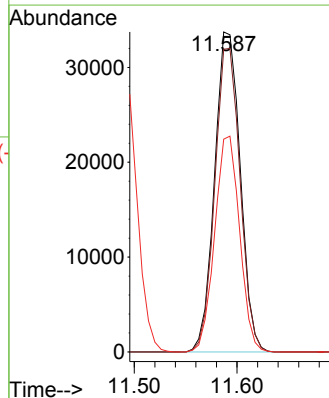
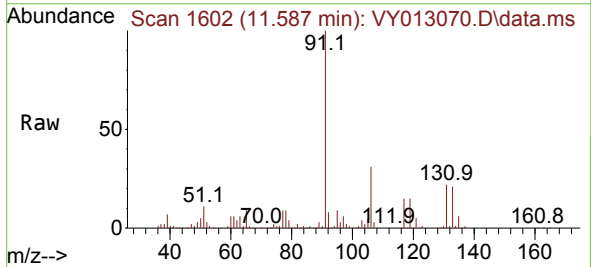
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

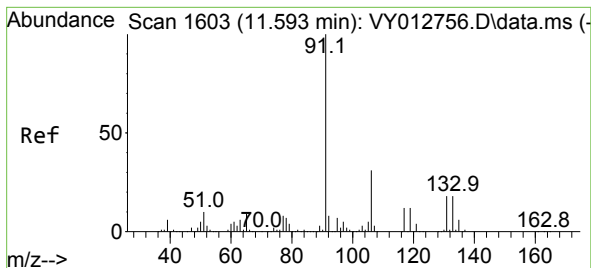
Tgt Ion:112 Resp: 156649  
Ion Ratio Lower Upper  
112 100  
114 32.4 24.5 36.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.866 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.006 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion:131 Resp: 58469  
Ion Ratio Lower Upper  
131 100  
133 93.7 48.0 144.0  
119 65.6 32.6 98.0





#67

Ethyl Benzene

Concen: 52.614 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

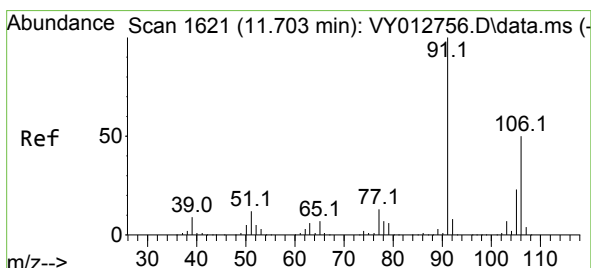
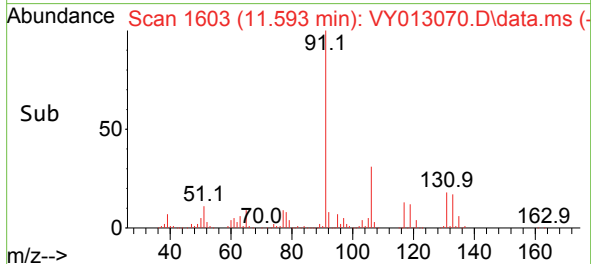
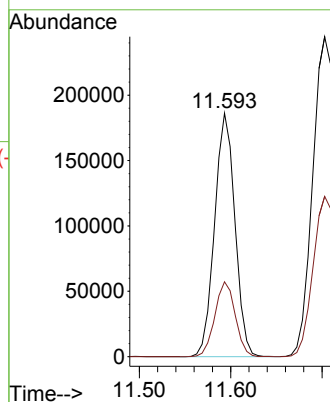
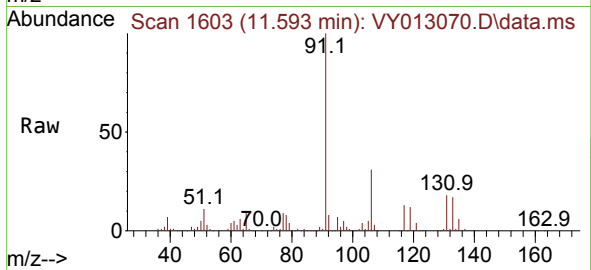
VSTDCCC050

Tgt Ion: 91 Resp: 287356

Ion Ratio Lower Upper

91 100

106 30.8 25.1 37.7



#68

m/p-Xylenes

Concen: 104.958 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY013070.D

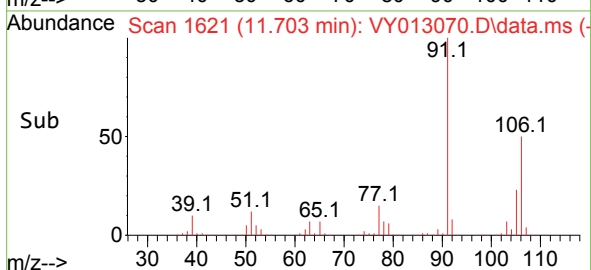
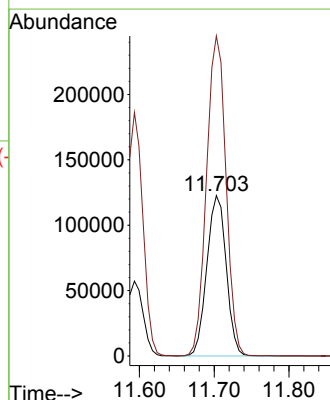
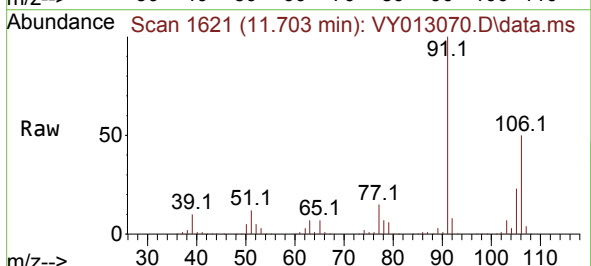
Acq: 24 Mar 2023 11:15

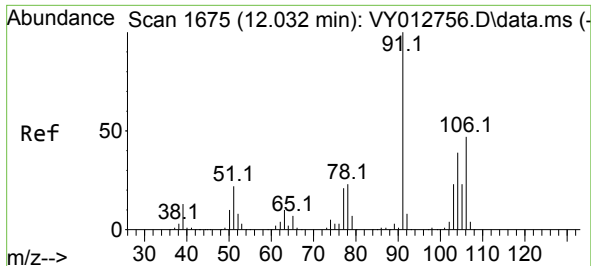
Tgt Ion:106 Resp: 220520

Ion Ratio Lower Upper

106 100

91 200.1 159.8 239.8

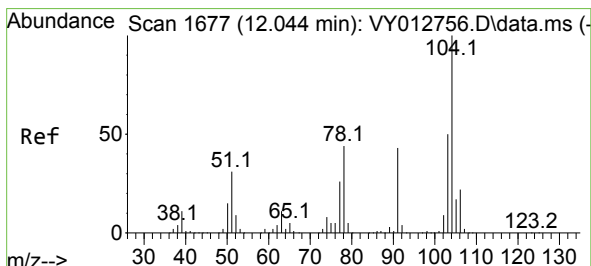
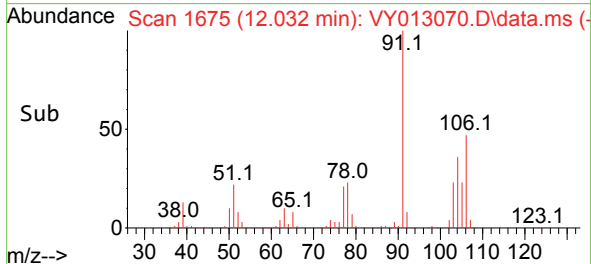
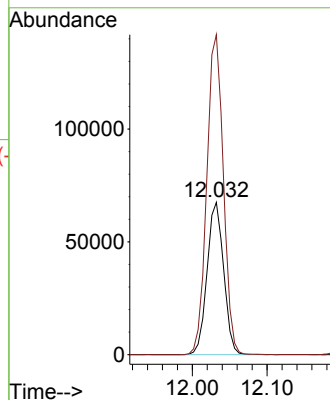
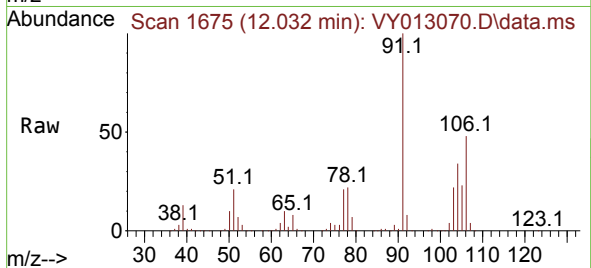




#69  
o-Xylene  
Concen: 53.027 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

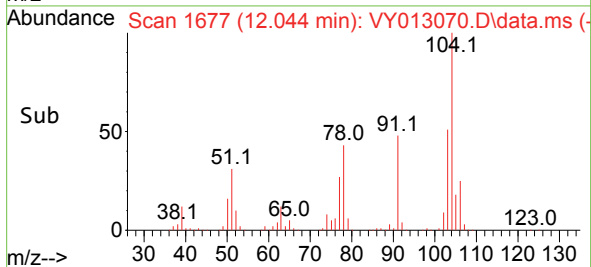
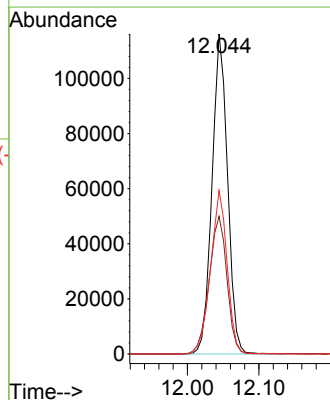
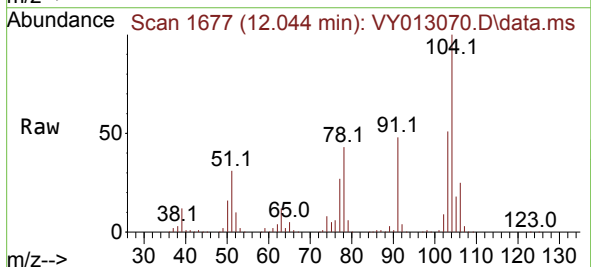
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

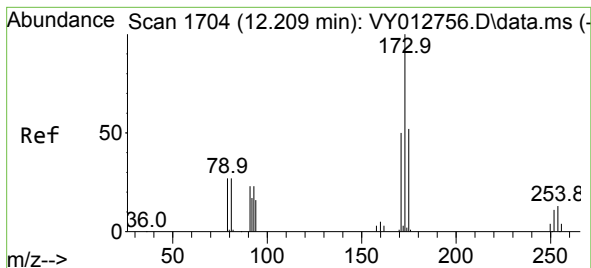
Tgt Ion:106 Resp: 103980  
Ion Ratio Lower Upper  
106 100  
91 210.4 107.2 321.6



#70  
Styrene  
Concen: 53.515 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion:104 Resp: 175114  
Ion Ratio Lower Upper  
104 100  
78 49.0 39.2 58.8  
103 54.5 43.7 65.5





#71

Bromoform

Concen: 49.700 ug/l

RT: 12.209 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

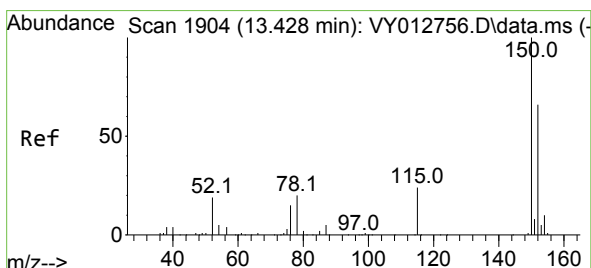
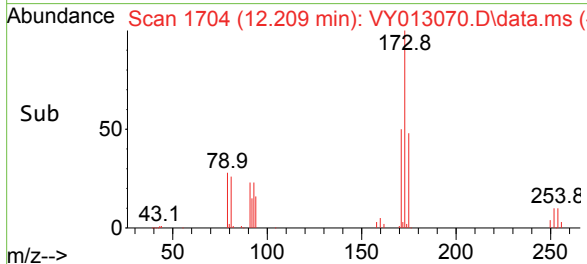
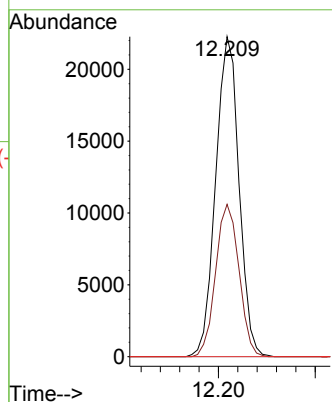
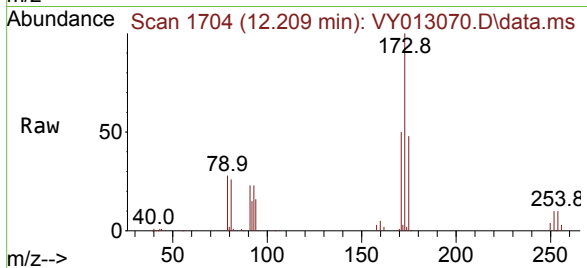
Tgt Ion:173 Resp: 37248

Ion Ratio Lower Upper

173 100

175 47.7 25.0 75.0

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. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

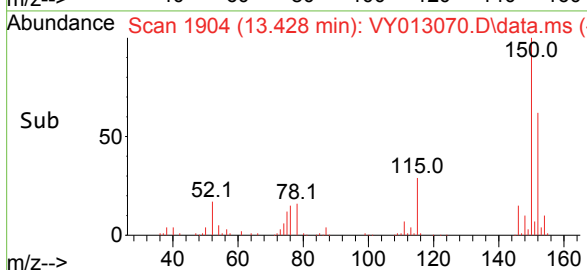
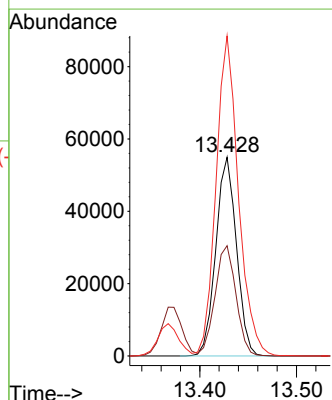
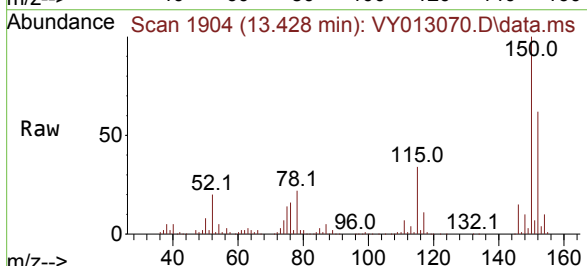
Tgt Ion:152 Resp: 81384

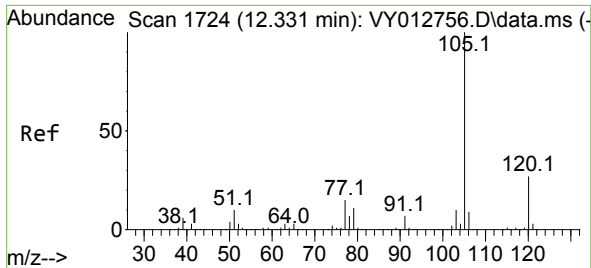
Ion Ratio Lower Upper

152 100

115 56.5 27.1 81.3

150 174.9 0.0 347.8

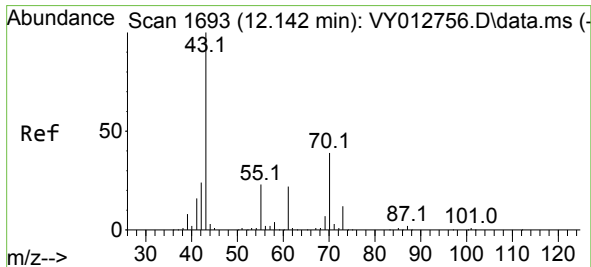
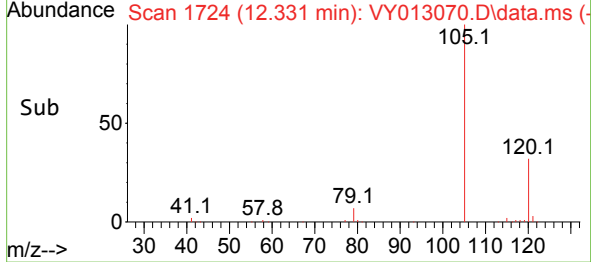
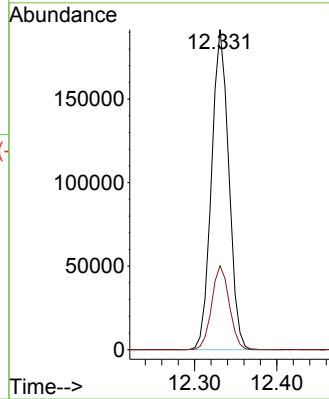
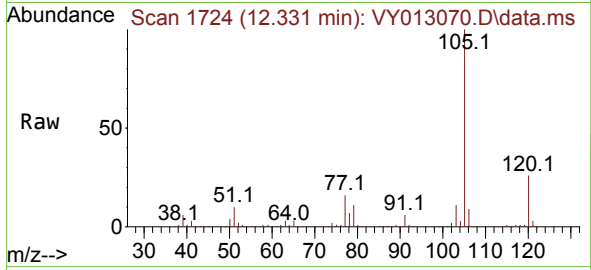




#73  
Isopropylbenzene  
Concen: 48.530 ug/l  
RT: 12.331 min Scan# 1724  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

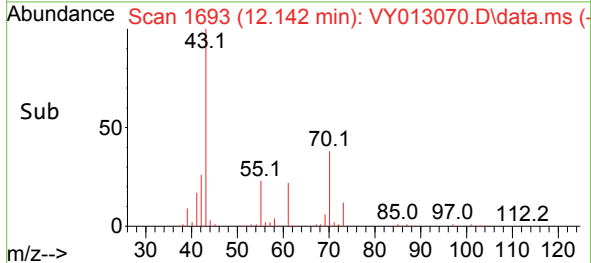
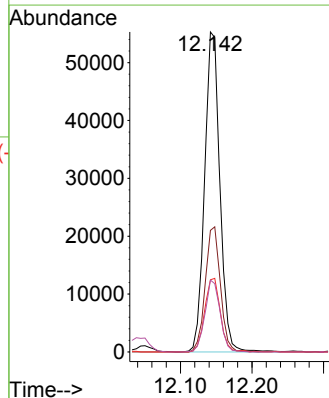
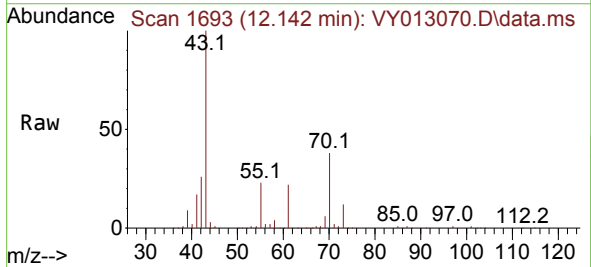
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

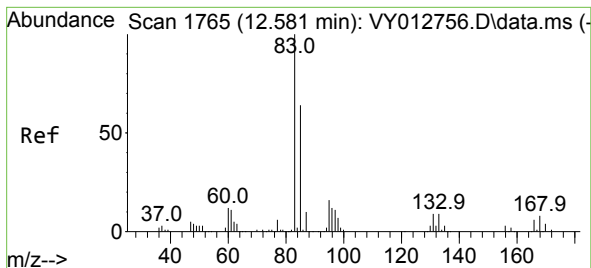
Tgt Ion:105 Resp: 279907  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.4 40.2



#74  
N-ethyl acetate  
Concen: 45.310 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 43 Resp: 82226  
Ion Ratio Lower Upper  
43 100  
70 38.7 31.6 47.4  
55 23.7 18.8 28.2  
61 22.1 17.8 26.8

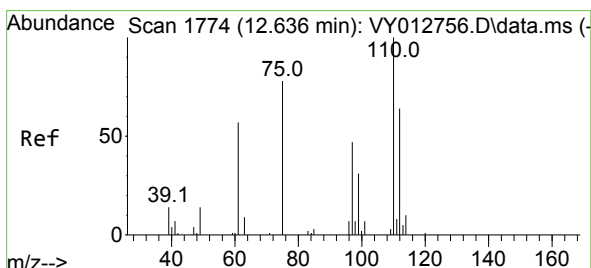
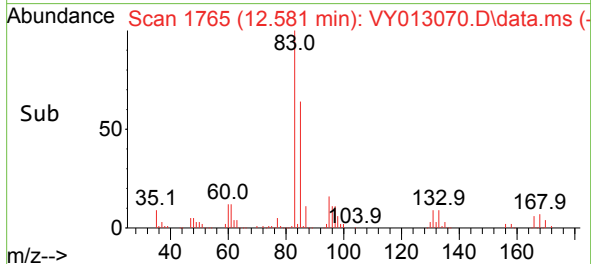
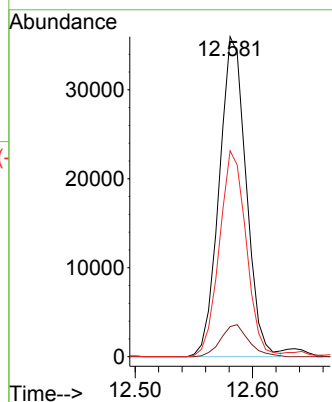
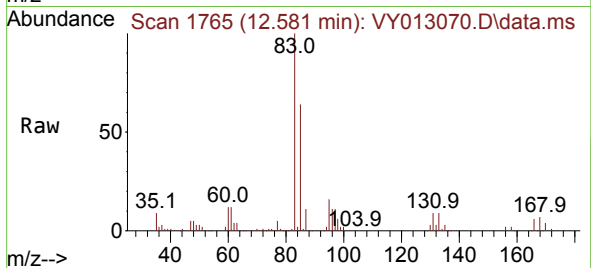




#75  
1,1,2,2-Tetrachloroethane  
Concen: 44.274 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

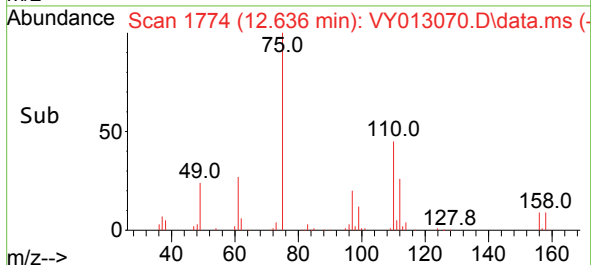
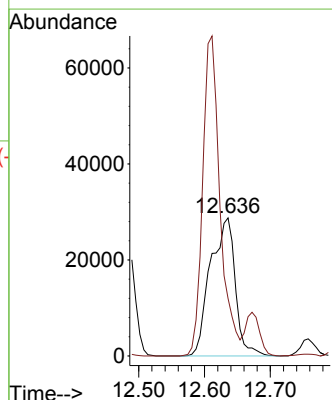
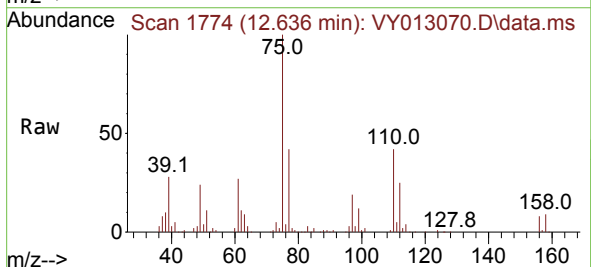
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

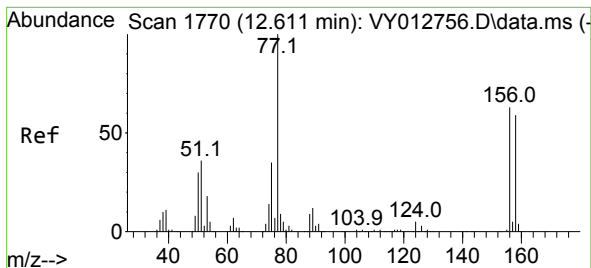
Tgt Ion: 83 Resp: 57403  
Ion Ratio Lower Upper  
83 100  
131 10.4 5.1 15.2  
85 64.1 31.8 95.3



#76  
1,2,3-Trichloropropane  
Concen: 77.975 ug/l  
RT: 12.636 min Scan# 1774  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 75 Resp: 75780  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.731 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

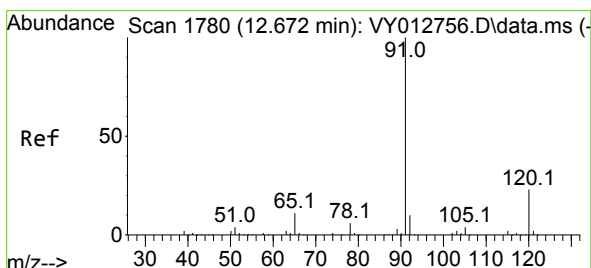
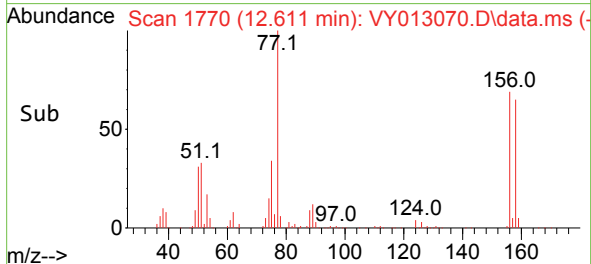
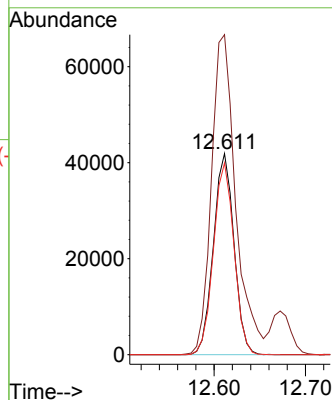
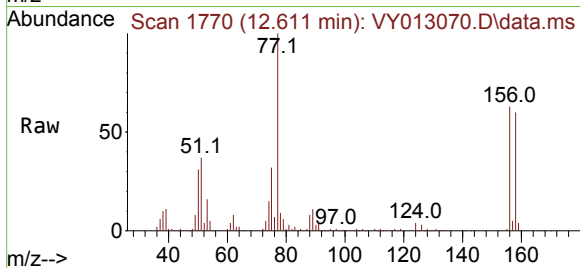
Tgt Ion:156 Resp: 65478

Ion Ratio Lower Upper

156 100

77 187.5 94.0 282.1

158 95.4 48.1 144.4



#78

n-propylbenzene

Concen: 49.618 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY013070.D

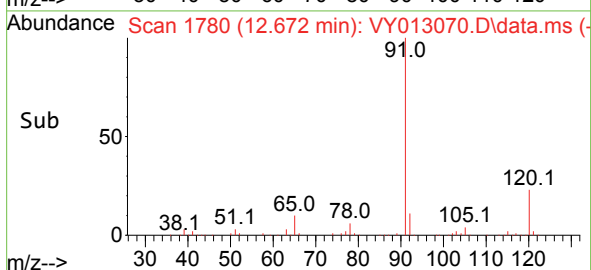
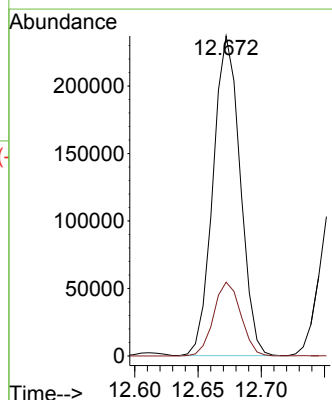
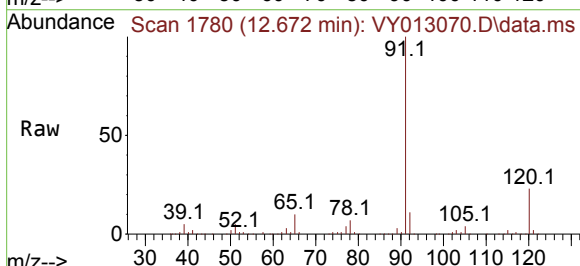
Acq: 24 Mar 2023 11:15

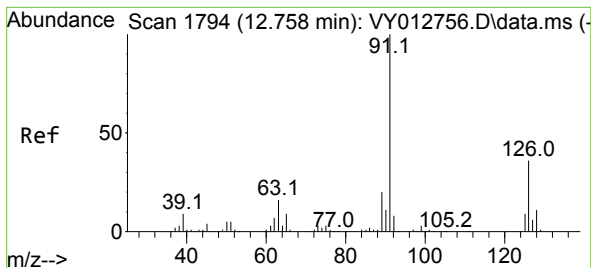
Tgt Ion: 91 Resp: 352833

Ion Ratio Lower Upper

91 100

120 23.2 11.6 34.8

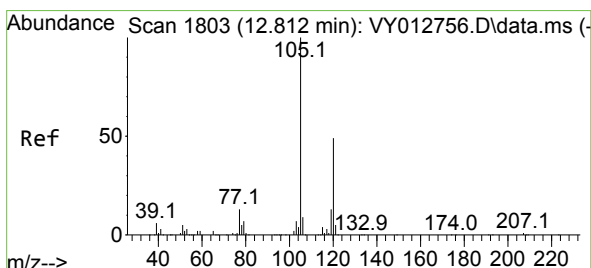
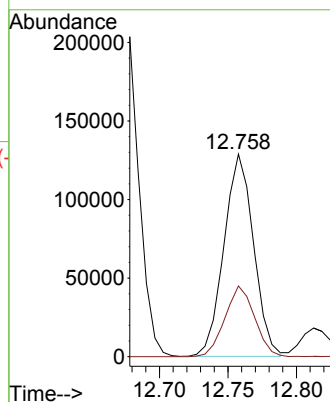
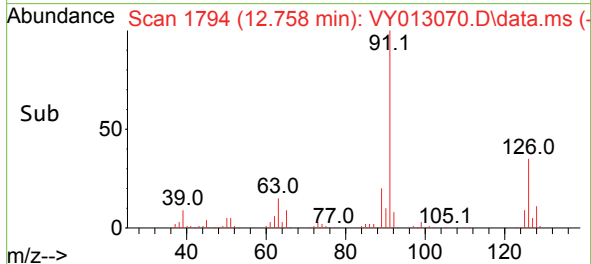
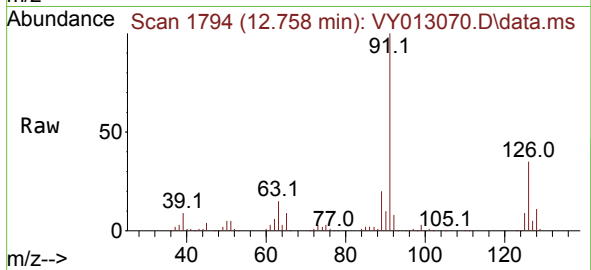




#79  
2-Chlorotoluene  
Concen: 49.000 ug/l  
RT: 12.758 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

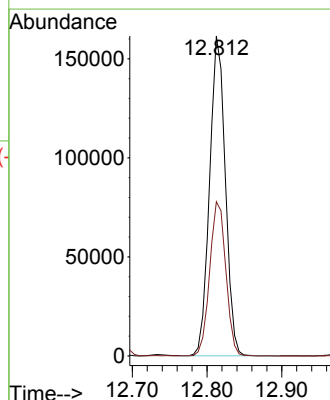
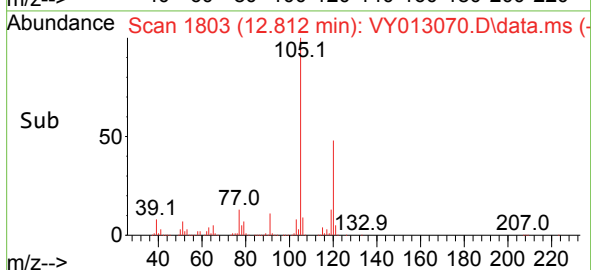
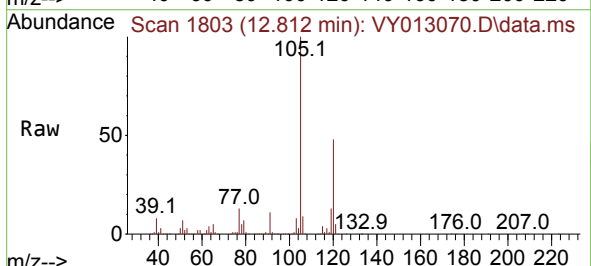
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 91 Resp: 193655  
Ion Ratio Lower Upper  
91 100  
126 35.0 17.4 52.2



#80  
1,3,5-Trimethylbenzene  
Concen: 49.705 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion: 105 Resp: 236593  
Ion Ratio Lower Upper  
105 100  
120 49.5 24.8 74.4

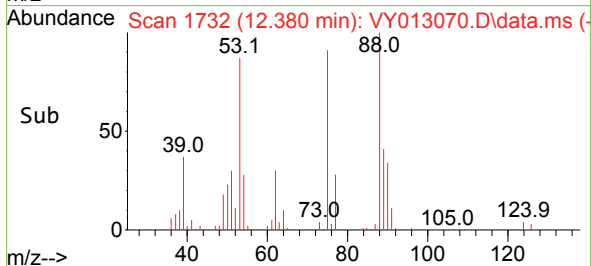
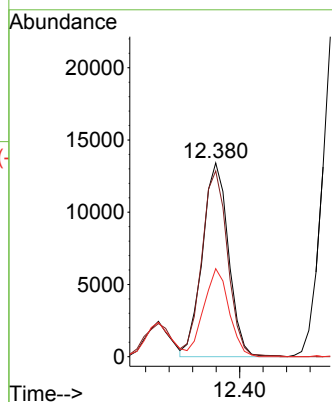
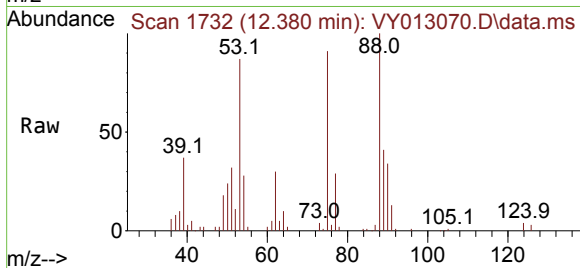




#81  
trans-1,4-Dichloro-2-butene  
Concen: 44.020 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

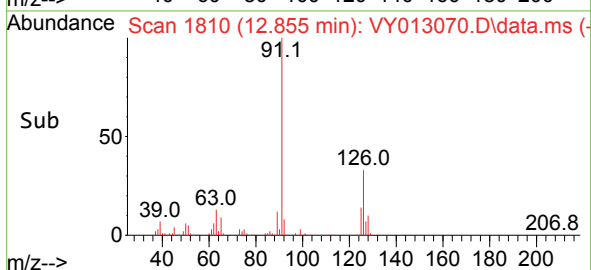
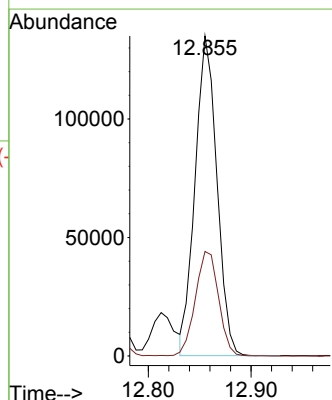
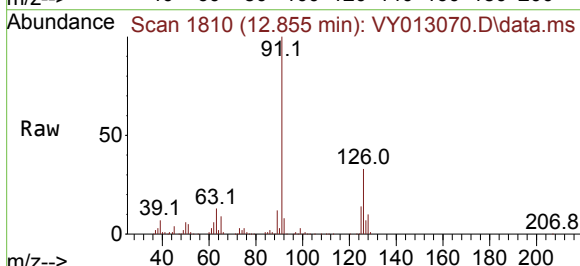
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

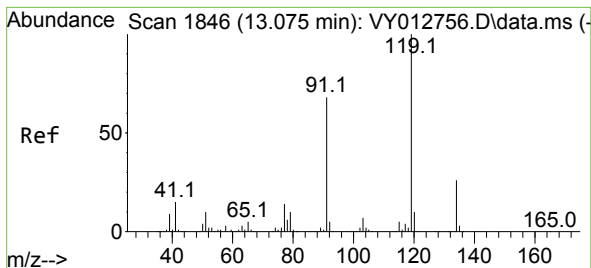
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 20647 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 95.1  | 73.4  | 110.0 |
| 89       | 43.6  | 36.6  | 55.0  |



#82  
4-Chlorotoluene  
Concen: 48.568 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 198695 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.9  | 17.7  | 53.1   |

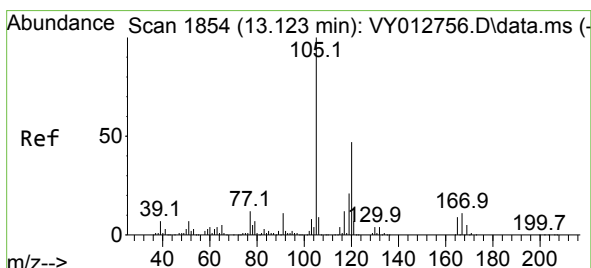
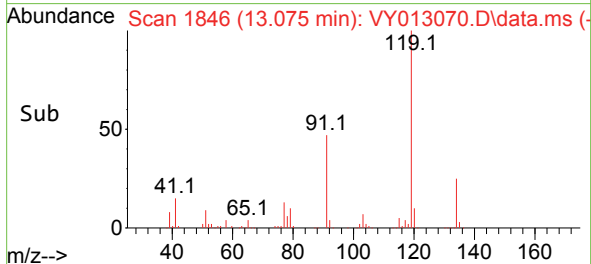
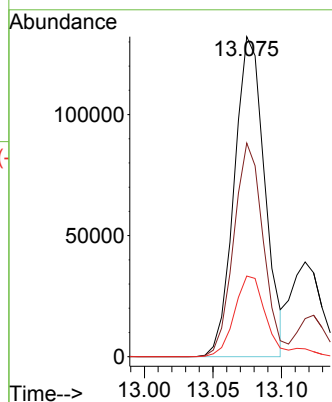
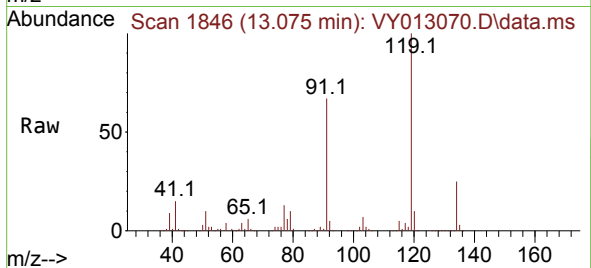




#83  
tert-Butylbenzene  
Concen: 49.677 ug/l  
RT: 13.075 min Scan# 119  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

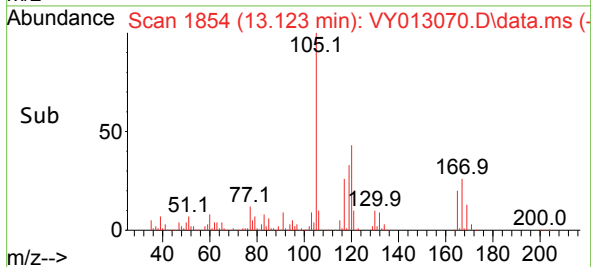
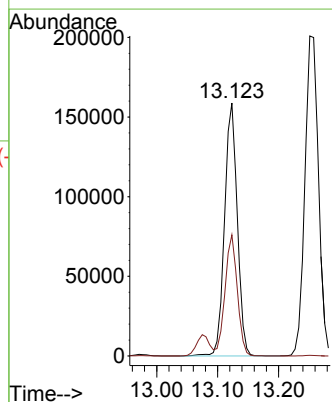
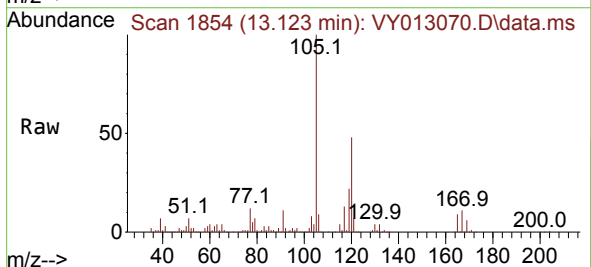
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

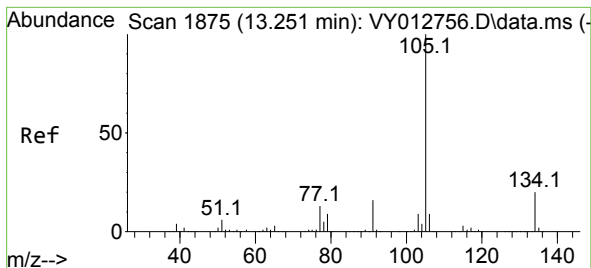
Tgt Ion:119 Resp: 204093  
Ion Ratio Lower Upper  
119 100  
91 65.2 32.8 98.3  
134 27.4 13.6 40.8



#84  
1,2,4-Trimethylbenzene  
Concen: 49.656 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. 0.000 min  
Lab File: VY013070.D  
Acq: 24 Mar 2023 11:15

Tgt Ion:105 Resp: 231125  
Ion Ratio Lower Upper  
105 100  
120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 49.501 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

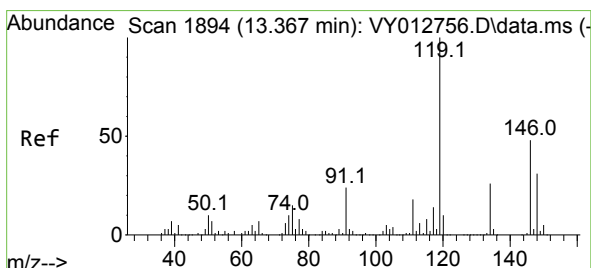
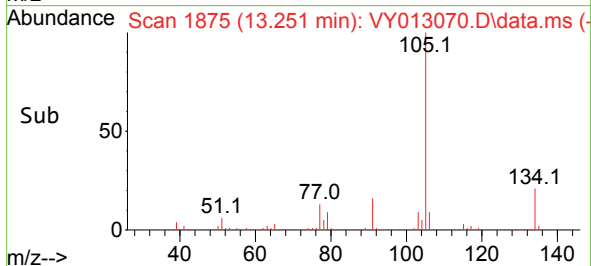
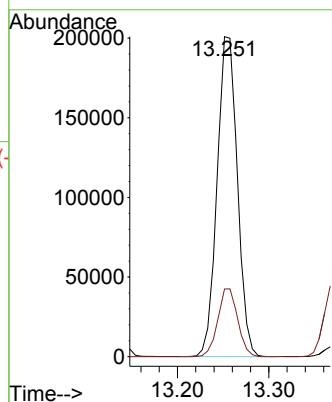
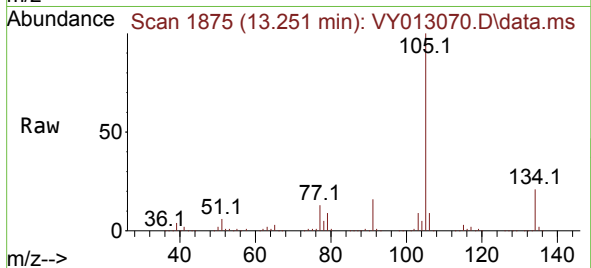
VSTDCCC050

Tgt Ion:105 Resp: 310253

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1



#86

p-Isopropyltoluene

Concen: 50.364 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

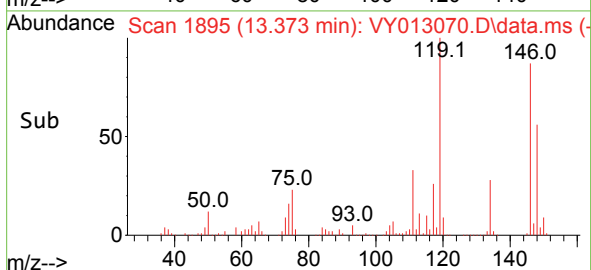
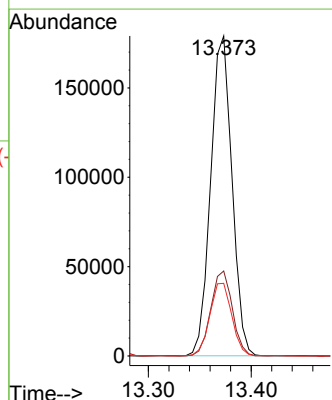
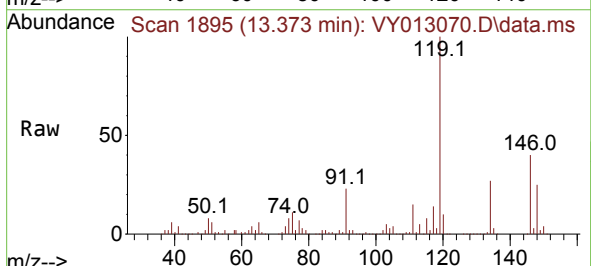
Tgt Ion:119 Resp: 257986

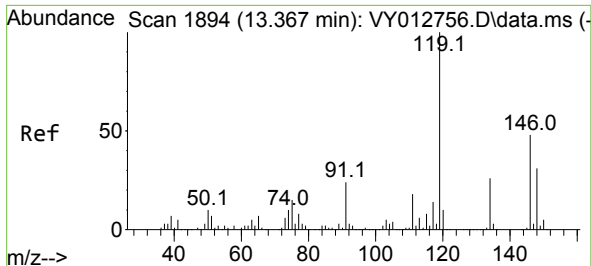
Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.6

91 23.4 11.8 35.3

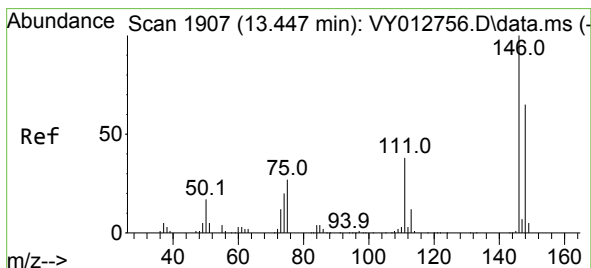
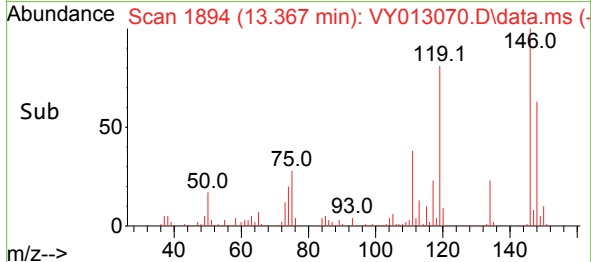
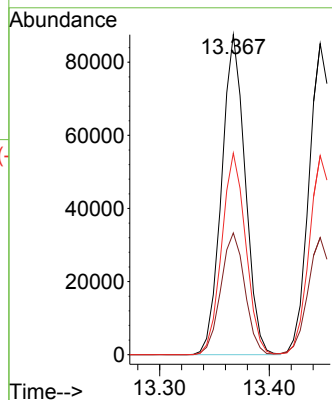
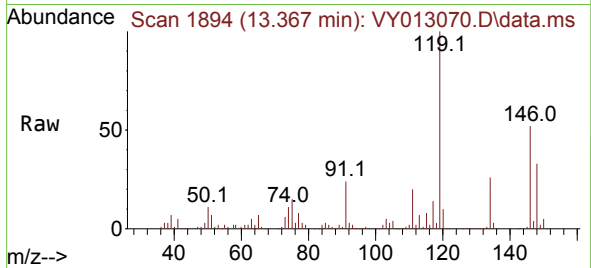




#87  
 1,3-Dichlorobenzene  
 Concen: 48.429 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. 0.000 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

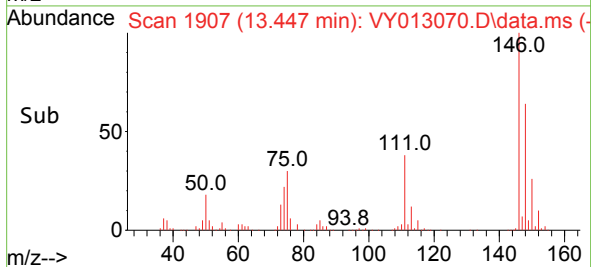
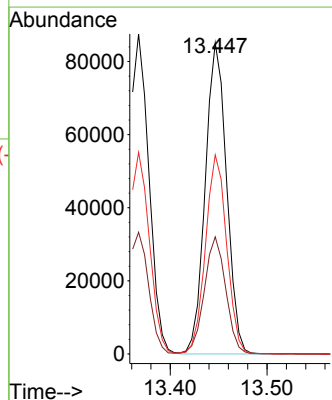
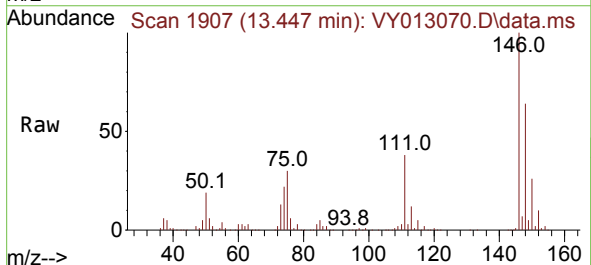
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

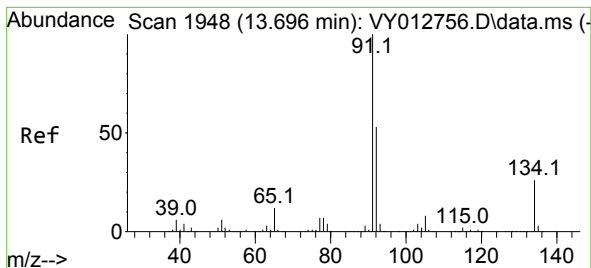
Tgt Ion:146 Resp: 130874  
 Ion Ratio Lower Upper  
 146 100  
 111 38.8 19.1 57.5  
 148 63.9 31.8 95.3



#88  
 1,4-Dichlorobenzene  
 Concen: 47.356 ug/l  
 RT: 13.447 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY013070.D  
 Acq: 24 Mar 2023 11:15

Tgt Ion:146 Resp: 130613  
 Ion Ratio Lower Upper  
 146 100  
 111 38.0 18.6 55.8  
 148 63.8 31.5 94.5





#89

n-Butylbenzene

Concen: 49.439 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

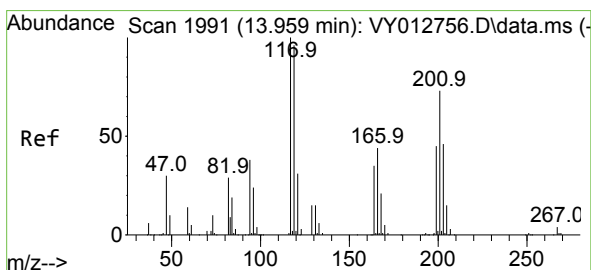
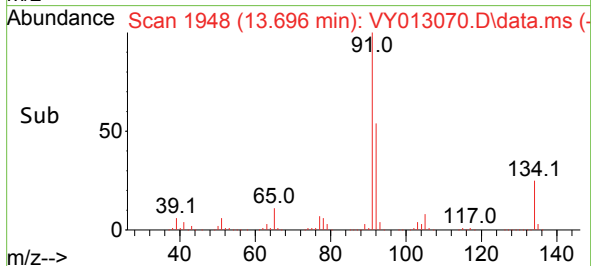
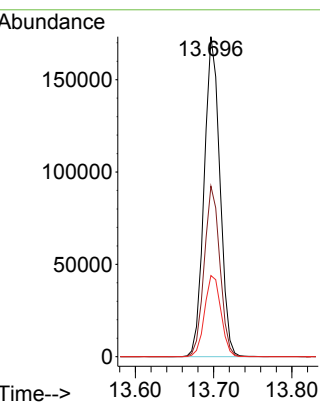
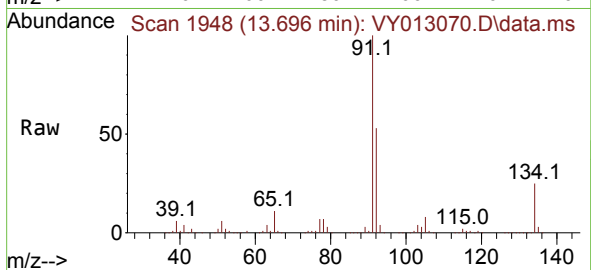
Tgt Ion: 91 Resp: 242437

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.0

134 26.3 13.0 38.9



#90

Hexachloroethane

Concen: 48.675 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY013070.D

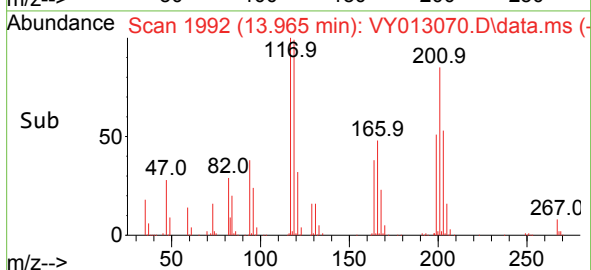
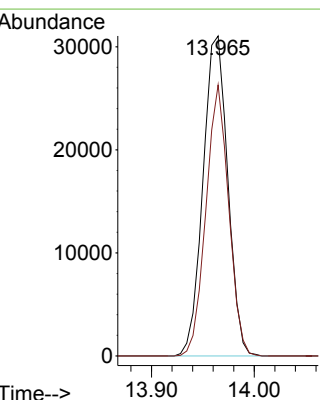
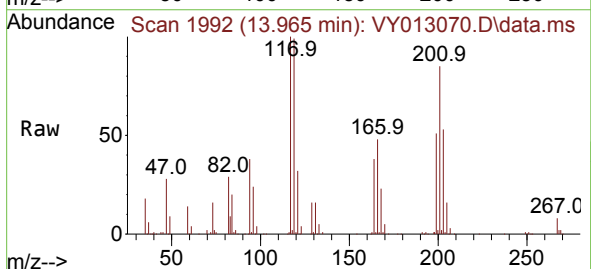
Acq: 24 Mar 2023 11:15

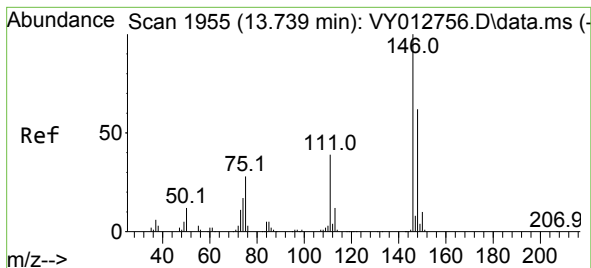
Tgt Ion: 117 Resp: 51931

Ion Ratio Lower Upper

117 100

201 77.7 39.4 118.1





#91

1,2-Dichlorobenzene

Concen: 47.698 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

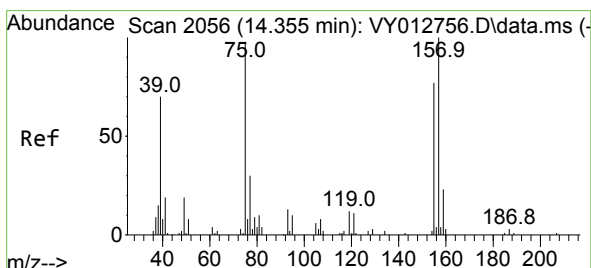
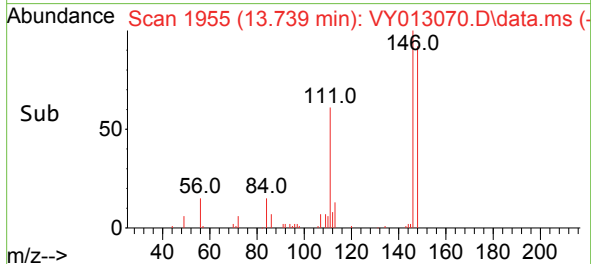
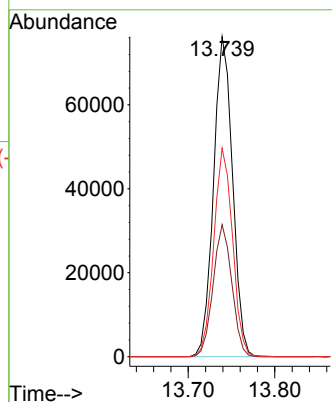
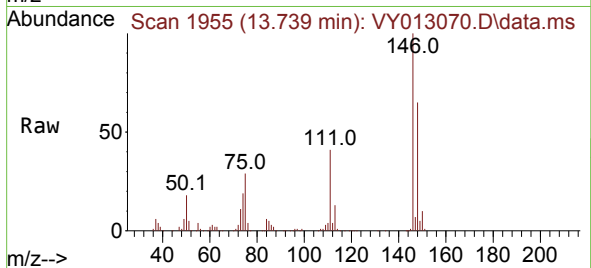
Tgt Ion:146 Resp: 116520

Ion Ratio Lower Upper

146 100

111 40.5 19.7 59.1

148 64.3 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.717 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

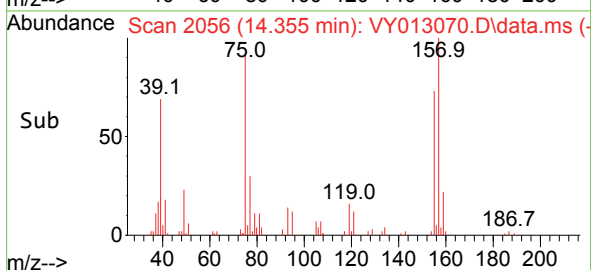
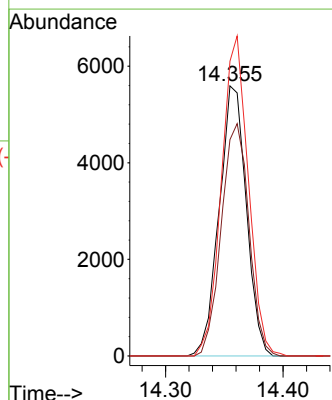
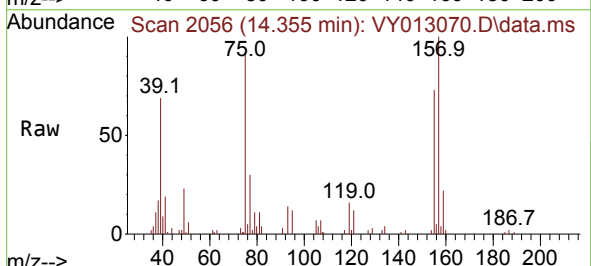
Tgt Ion: 75 Resp: 8951

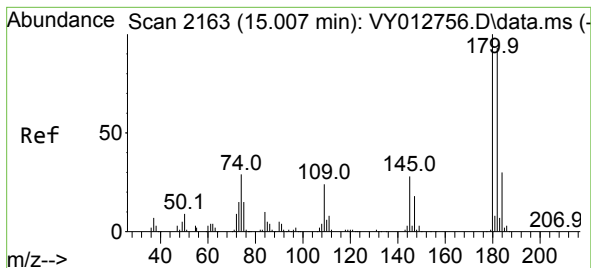
Ion Ratio Lower Upper

75 100

155 87.7 43.8 131.4

157 117.3 54.1 162.3





#93

1,2,4-Trichlorobenzene

Concen: 46.925 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

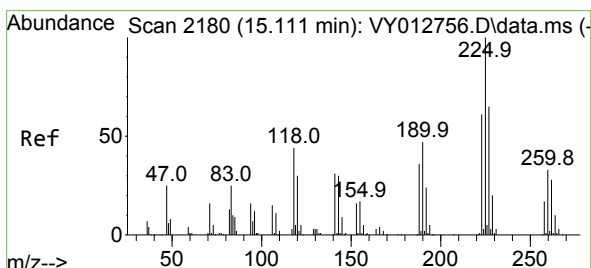
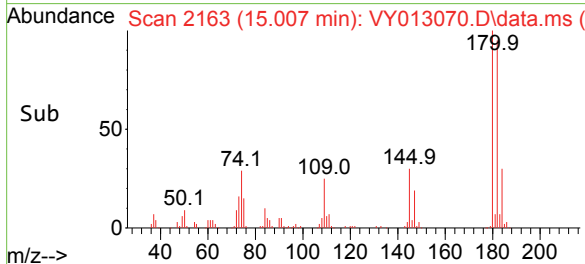
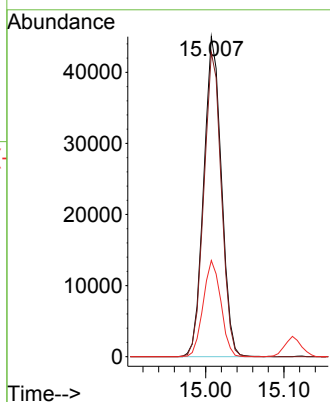
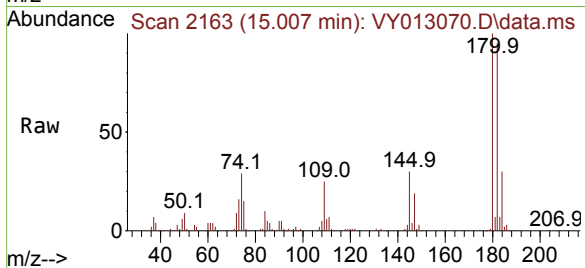
Tgt Ion:180 Resp: 70580

Ion Ratio Lower Upper

180 100

182 94.0 46.7 140.1

145 29.9 14.6 43.8



#94

Hexachlorobutadiene

Concen: 47.351 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

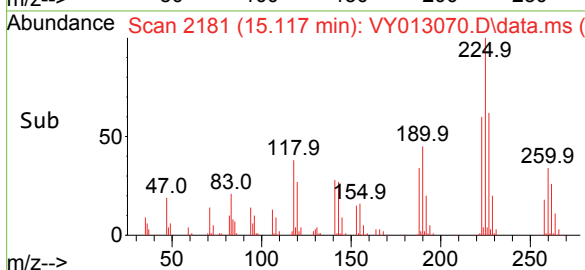
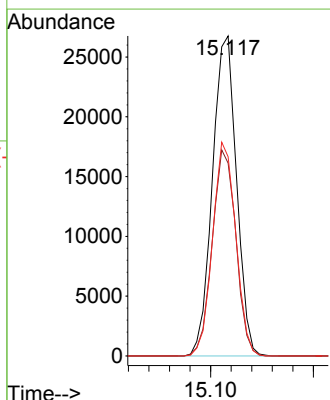
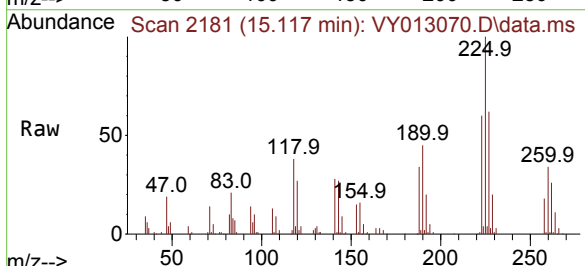
Tgt Ion:225 Resp: 43439

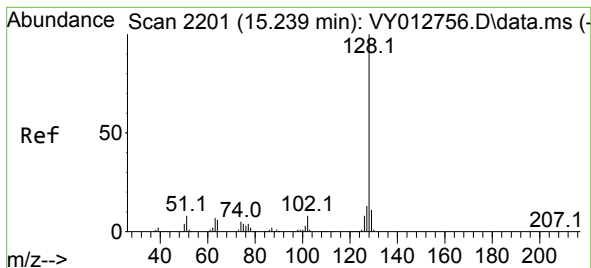
Ion Ratio Lower Upper

225 100

223 63.1 31.1 93.3

227 64.3 32.4 97.0





#95

Naphthalene

Concen: 45.688 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

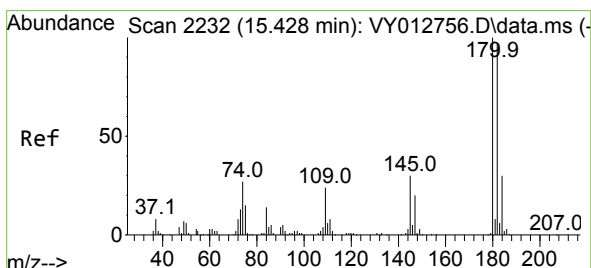
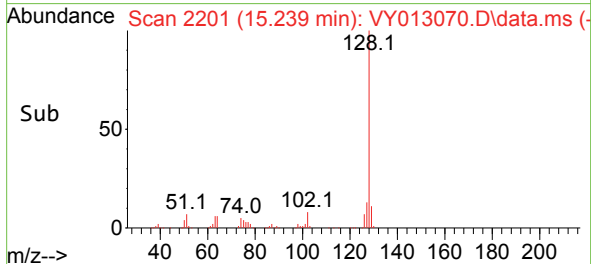
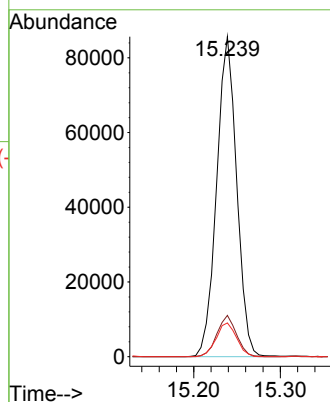
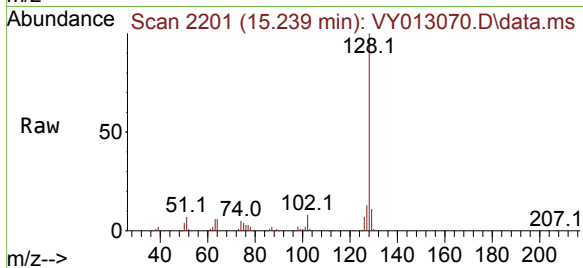
Tgt Ion:128 Resp: 137708

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 46.020 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY013070.D

Acq: 24 Mar 2023 11:15

Tgt Ion:180 Resp: 61561

Ion Ratio Lower Upper

180 100

182 95.5 47.4 142.3

145 31.3 15.3 45.8

