

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021224\  
 Data File : VY017365.D  
 Acq On : 12 Feb 2024 19:52  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Feb 13 01:31:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 02 00:56:04 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 118302   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 200950   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 172516   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 79107    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 43588    | 41.244   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 82.480% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 47521    | 43.798   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 87.600% |
| 50) Toluene-d8              | 10.191 | 98    | 170883   | 43.257   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 86.520% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 55560    | 42.934   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 85.860% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 32186  | 35.889  | ug/l   | 97  |
| 3) Chloromethane             | 2.113 | 50  | 60878  | 37.787  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.253 | 62  | 70461  | 35.889  | ug/l   | 99  |
| 5) Bromomethane              | 2.656 | 94  | 52374  | 38.484  | ug/l   | 98  |
| 6) Chloroethane              | 2.796 | 64  | 47858  | 37.753  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 81223  | 40.232  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.534 | 74  | 26345  | 41.486  | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 3.899 | 101 | 50065  | 40.909  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.095 | 142 | 46889  | 36.445  | ug/l   | 100 |
| 11) Tert butyl alcohol       | 4.966 | 59  | 16005  | 174.980 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 3.875 | 96  | 46375  | 40.442  | ug/l   | 98  |
| 13) Acrolein                 | 3.735 | 56  | 16273  | 182.677 | ug/l   | 97  |
| 14) Allyl chloride           | 4.485 | 41  | 70257  | 40.527  | ug/l   | 99  |
| 15) Acrylonitrile            | 5.174 | 53  | 59123  | 206.784 | ug/l   | 100 |
| 16) Acetone                  | 3.954 | 43  | 50982  | 164.130 | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.198 | 76  | 119523 | 32.652  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.479 | 43  | 31231  | 45.070  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 5.228 | 73  | 114558 | 41.480  | ug/l   | 97  |
| 20) Methylene Chloride       | 4.722 | 84  | 58967  | 46.076  | ug/l   | 92  |
| 21) trans-1,2-Dichloroethene | 5.228 | 96  | 52626  | 40.341  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.125 | 45  | 165667 | 43.516  | ug/l   | 97  |
| 23) Vinyl Acetate            | 6.070 | 43  | 466474 | 202.222 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.027 | 63  | 98516  | 42.243  | ug/l   | 98  |
| 25) 2-Butanone               | 6.990 | 43  | 74780  | 181.096 | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 6.984 | 77  | 77191  | 39.792  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.996 | 96  | 62203  | 42.633  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.344 | 49  | 36401  | 40.764  | ug/l   | 98  |
| 29) Tetrahydrofuran          | 7.362 | 42  | 46640  | 199.946 | ug/l   | 100 |
| 30) Chloroform               | 7.515 | 83  | 100996 | 43.049  | ug/l   | 99  |
| 31) Cyclohexane              | 7.789 | 56  | 76804  | 36.055  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 7.710 | 97  | 85278  | 42.259  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.923 | 75  | 74266  | 39.681  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.082 | 43  | 32915  | 37.919  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 7.911 | 117 | 75740  | 42.267  | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.191 | 83  | 83119  | 38.015  | ug/l   | 96  |
| 40) Benzene                  | 8.167 | 78  | 223350 | 41.790  | ug/l   | 100 |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Feb 13 01:31:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 02 00:56:04 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 16170    | 39.317  | ug/l   | 87       |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 58282    | 41.186  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 62610    | 40.745  | ug/l   | 99       |
| 44) Trichloroethene           | 8.947  | 130  | 57682    | 42.517  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 57010    | 43.427  | ug/l   | 99       |
| 46) Dibromomethane            | 9.313  | 93   | 29434    | 41.507  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.502  | 83   | 75757    | 42.687  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.301  | 41   | 30053    | 41.696  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 6594     | 854.302 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 171375   | 208.054 | ug/l   | 100      |
| 52) Toluene                   | 10.252 | 92   | 137545   | 42.636  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 69747    | 41.840  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 85544    | 42.843  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 41260    | 42.764  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 50112    | 39.288  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.795 | 76   | 70700    | 42.604  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 128859   | 214.383 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.837 | 43   | 115223   | 193.449 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.990 | 129  | 48698    | 43.024  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.099 | 107  | 38104    | 42.464  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.727 | 164  | 50713    | 45.263  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.526 | 112  | 144411   | 43.393  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 54799    | 45.310  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.599 | 91   | 265991   | 44.224  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.709 | 106  | 200393   | 87.795  | ug/l   | 100      |
| 69) o-Xylene                  | 12.038 | 106  | 94093    | 44.765  | ug/l   | 99       |
| 70) Styrene                   | 12.050 | 104  | 159057   | 45.927  | ug/l   | 99       |
| 71) Bromoform                 | 12.215 | 173  | 27733    | 43.786  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.337 | 105  | 252553   | 43.458  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.154 | 43   | 52574    | 40.262  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.593 | 83   | 46916    | 41.045  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 55587    | 76.131  | ug/l # | 100      |
| 77) Bromobenzene              | 12.617 | 156  | 55154    | 42.786  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.678 | 91   | 307515   | 43.084  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 168875   | 43.036  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.819 | 105  | 200600   | 43.402  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 13912    | 39.591  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 170709   | 42.269  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.087 | 119  | 178837   | 45.140  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.130 | 105  | 197389   | 43.267  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.264 | 105  | 268170   | 43.308  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.379 | 119  | 215574   | 43.566  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 107590   | 41.838  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.453 | 146  | 107036   | 42.843  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.703 | 91   | 202871   | 43.121  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.971 | 117  | 43818    | 43.135  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 94448    | 43.143  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.367 | 75   | 5880     | 39.493  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 47636    | 43.807  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.123 | 225  | 28509    | 44.515  | ug/l   | 99       |
| 95) Naphthalene               | 15.245 | 128  | 86957    | 40.692  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.434 | 180  | 40423    | 43.709  | ug/l   | 99       |

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Sample : VSTDCCC050  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

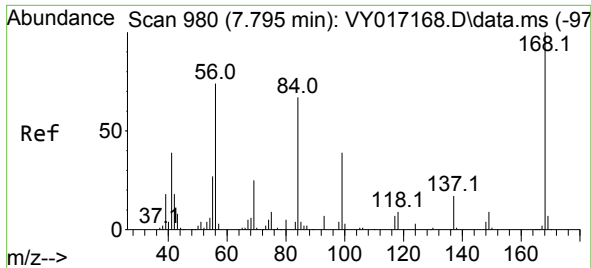
Quant Time: Feb 13 01:31:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 02 00:56:04 2024  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260  
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Response via : Initial Calibration

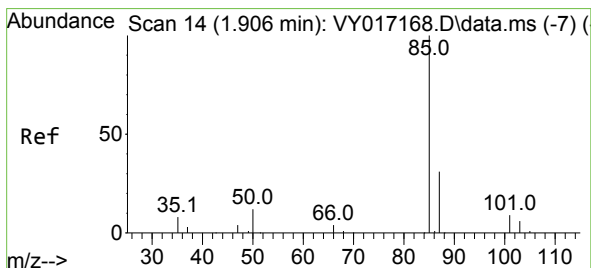
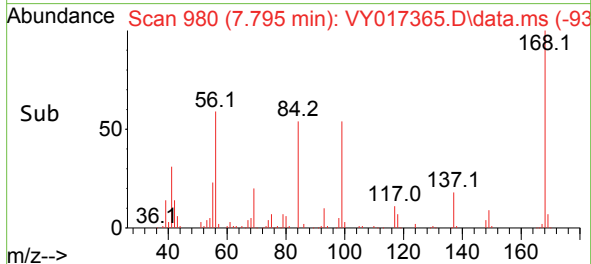
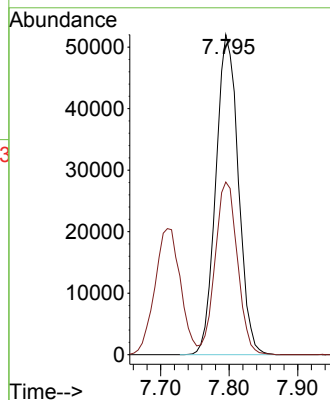
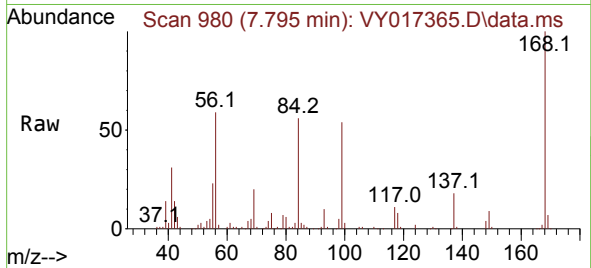




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

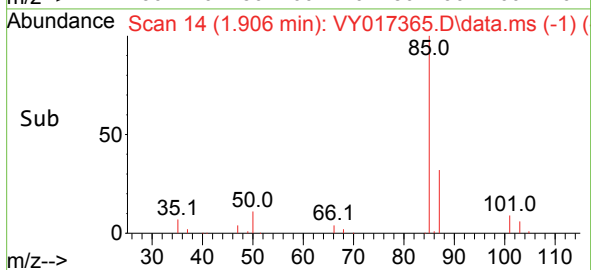
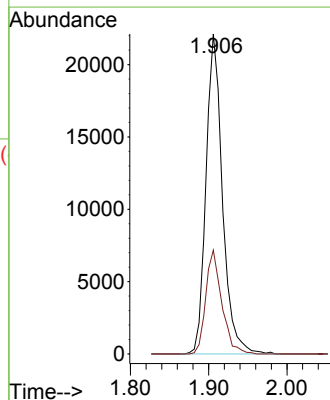
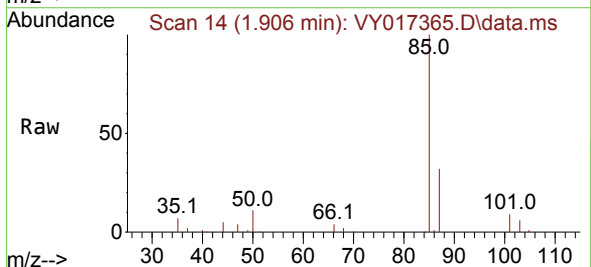
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

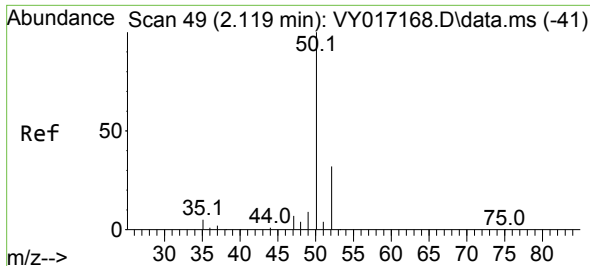
Tgt Ion:168 Resp: 118302  
Ion Ratio Lower Upper  
168 100  
99 54.0 44.2 66.4



#2  
Dichlorodifluoromethane  
Concen: 35.889 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 85 Resp: 32186  
Ion Ratio Lower Upper  
85 100  
87 32.5 17.1 51.3

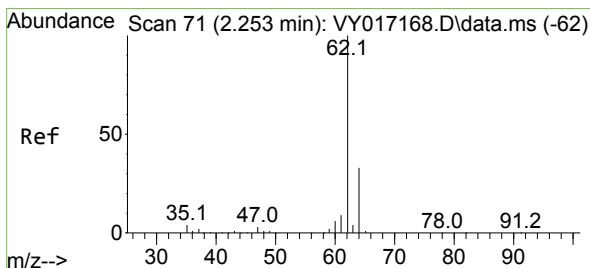
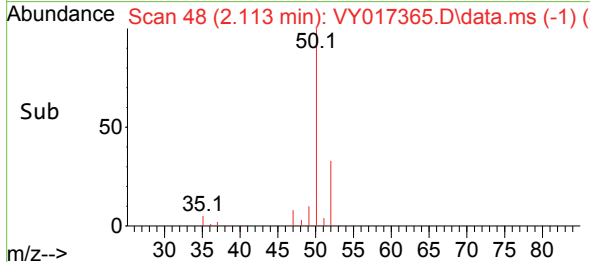
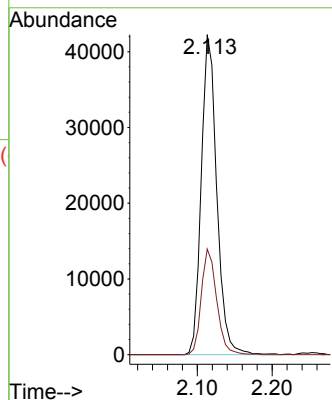
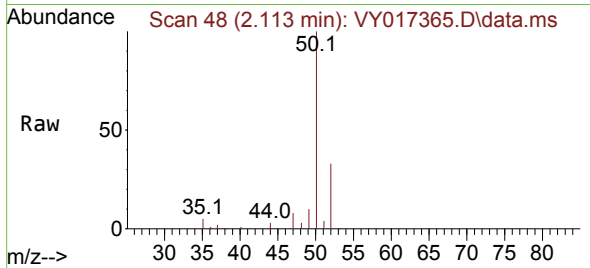




#3  
Chloromethane  
Concen: 37.787 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

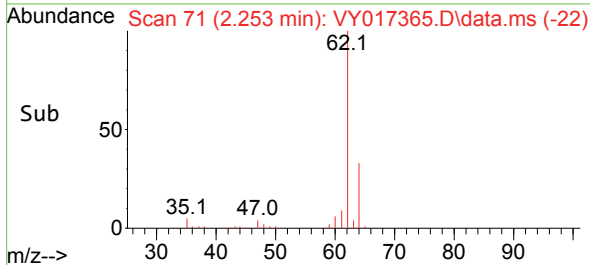
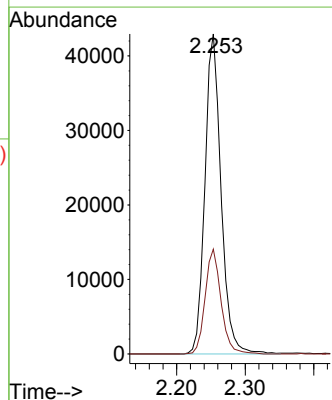
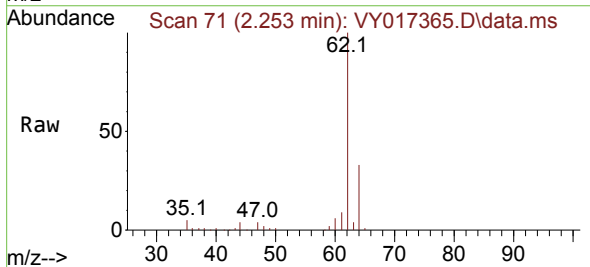
Instrument :  
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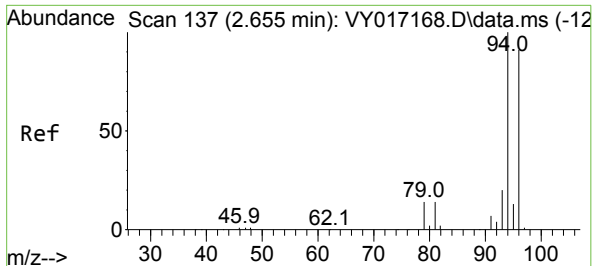
Tgt Ion: 50 Resp: 60878  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.7 40.1



#4  
Vinyl Chloride  
Concen: 35.889 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 62 Resp: 70461  
Ion Ratio Lower Upper  
62 100  
64 32.8 25.7 38.5

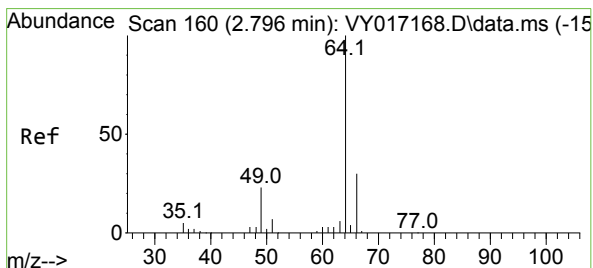
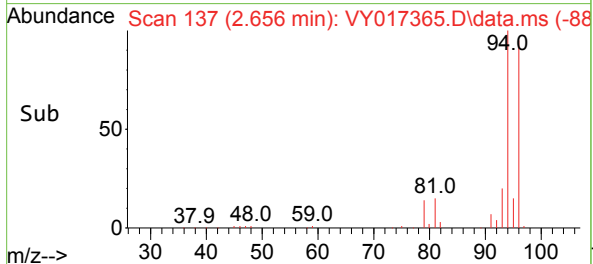
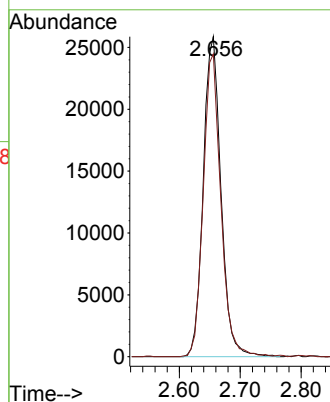
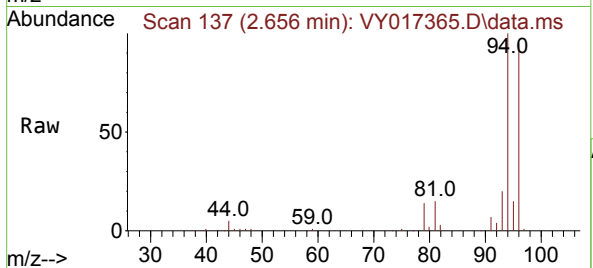




#5  
Bromomethane  
Concen: 38.484 ug/l  
RT: 2.656 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

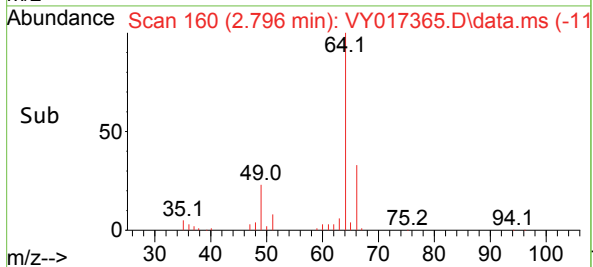
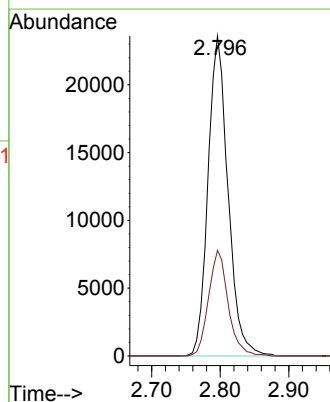
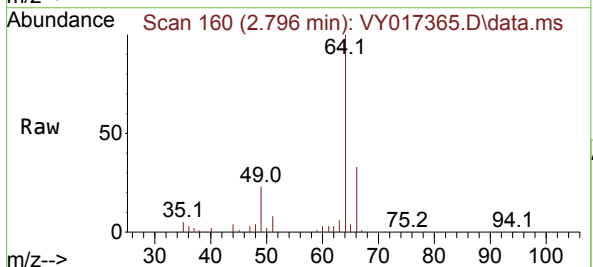
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

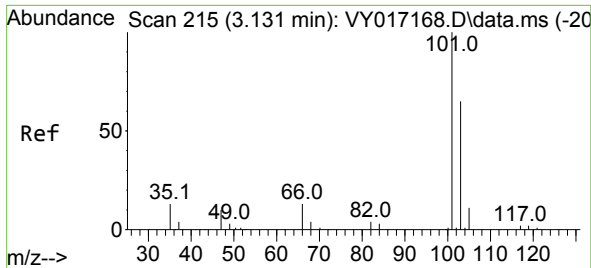
Tgt Ion: 94 Resp: 52374  
Ion Ratio Lower Upper  
94 100  
96 94.6 77.3 115.9



#6  
Chloroethane  
Concen: 37.753 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 64 Resp: 47858  
Ion Ratio Lower Upper  
64 100  
66 33.0 25.1 37.7

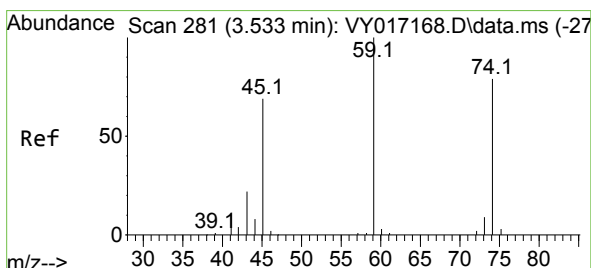
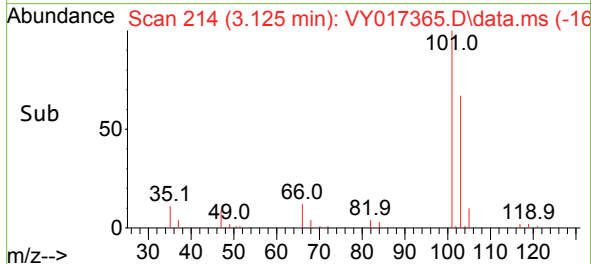
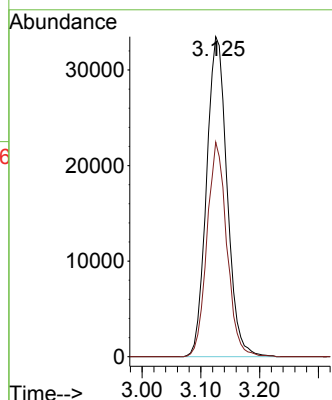
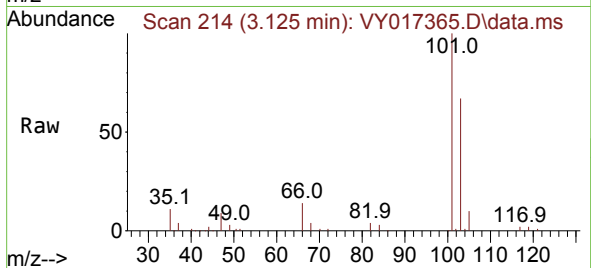




#7  
Trichlorofluoromethane  
Concen: 40.232 ug/l  
RT: 3.125 min Scan# 215  
Delta R.T. -0.006 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

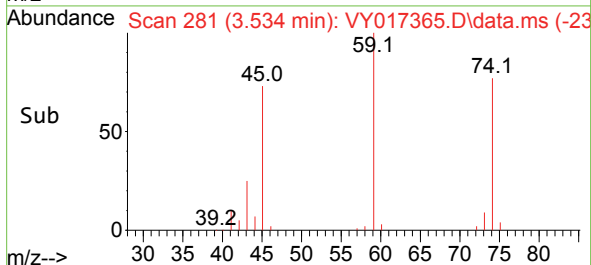
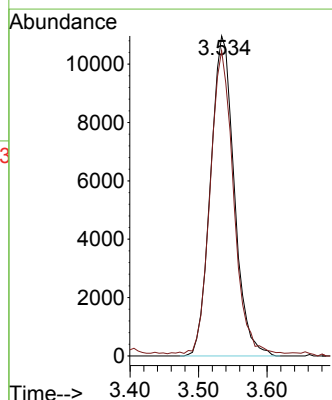
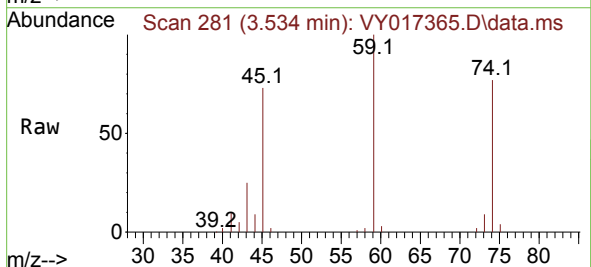
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

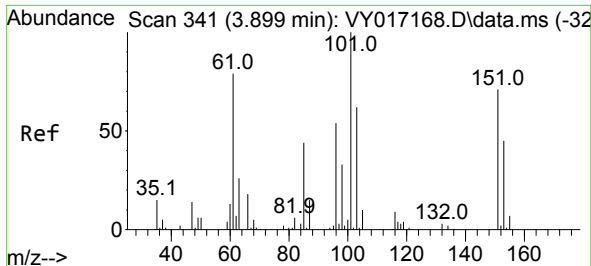
Tgt Ion:101 Resp: 81223  
Ion Ratio Lower Upper  
101 100  
103 67.0 51.9 77.9



#8  
Diethyl Ether  
Concen: 41.486 ug/l  
RT: 3.534 min Scan# 281  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 74 Resp: 26345  
Ion Ratio Lower Upper  
74 100  
45 92.9 47.9 143.7

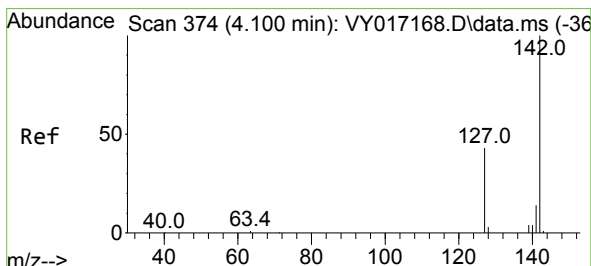
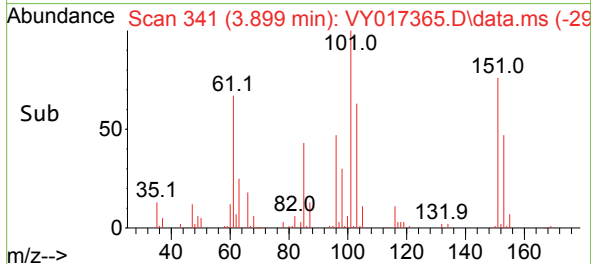
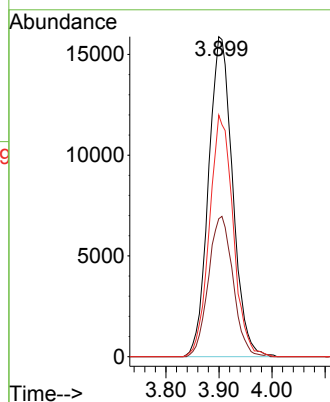
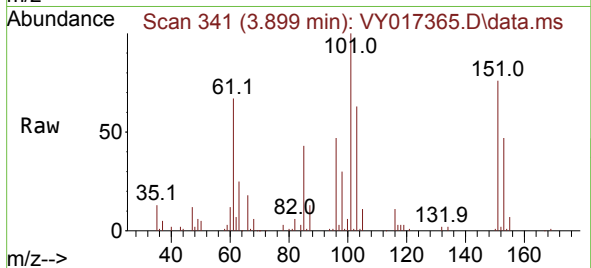




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 40.909 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

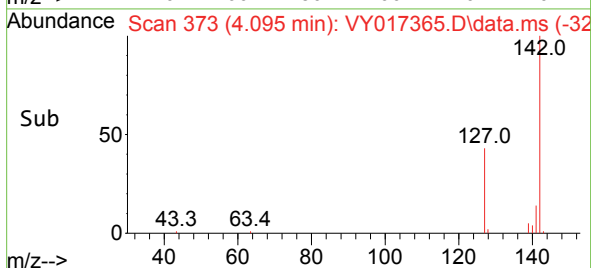
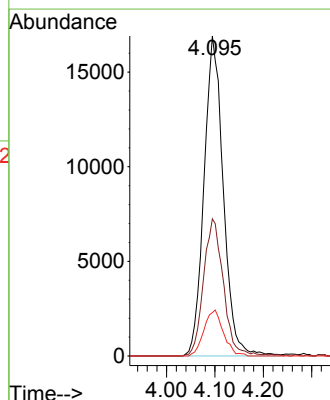
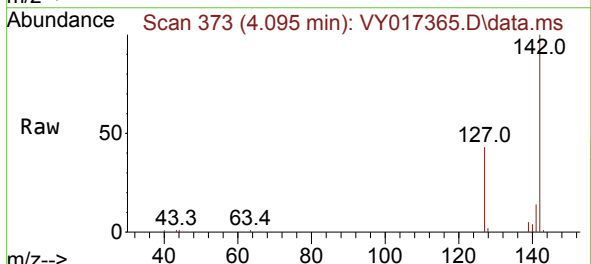
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

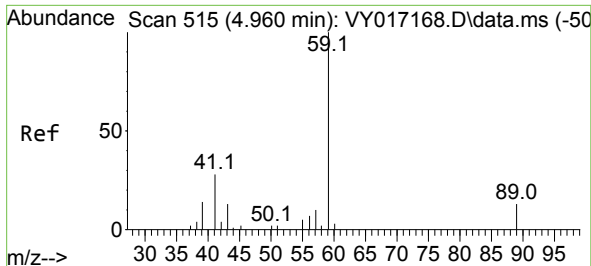
Tgt Ion:101 Resp: 50065  
Ion Ratio Lower Upper  
101 100  
85 44.8 35.8 53.6  
151 74.5 58.6 88.0



#10  
Methyl Iodide  
Concen: 36.445 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. -0.006 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion:142 Resp: 46889  
Ion Ratio Lower Upper  
142 100  
127 43.8 35.1 52.7  
141 14.5 11.8 17.6

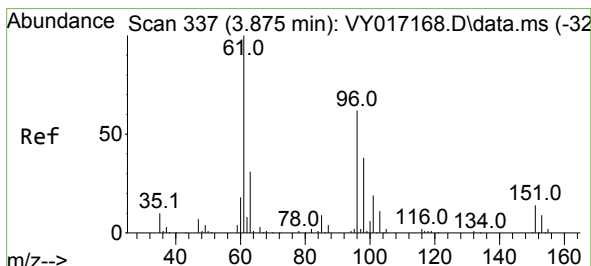
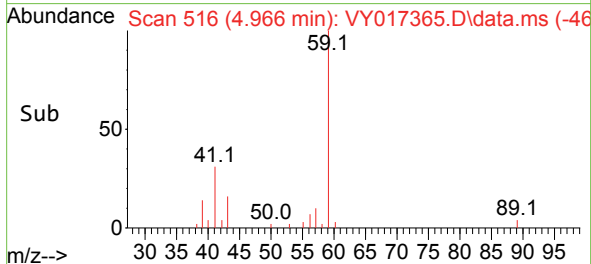
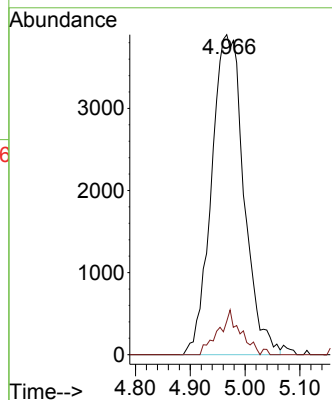
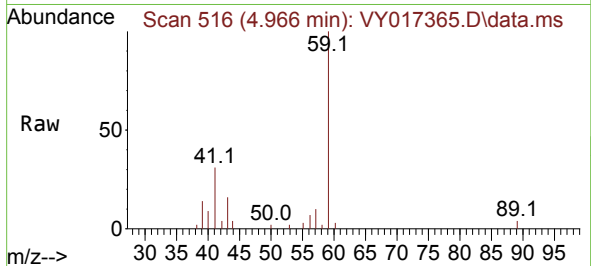




#11  
Tert butyl alcohol  
Concen: 174.980 ug/l  
RT: 4.966 min Scan# 515  
Delta R.T. 0.006 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

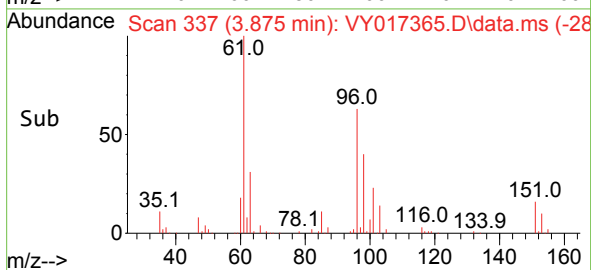
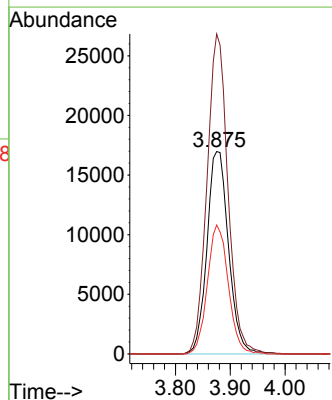
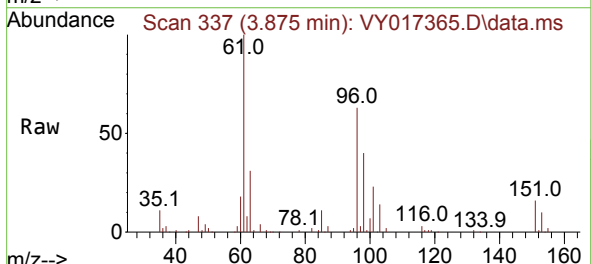
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

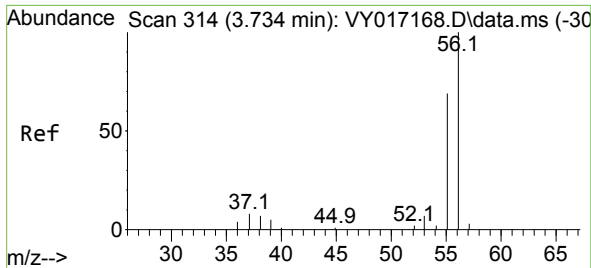
Tgt Ion: 59 Resp: 16005  
Ion Ratio Lower Upper  
59 100  
57 9.5 7.4 11.0



#12  
1,1-Dichloroethene  
Concen: 40.442 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 96 Resp: 46375  
Ion Ratio Lower Upper  
96 100  
61 158.1 124.2 186.2  
98 63.7 52.6 79.0

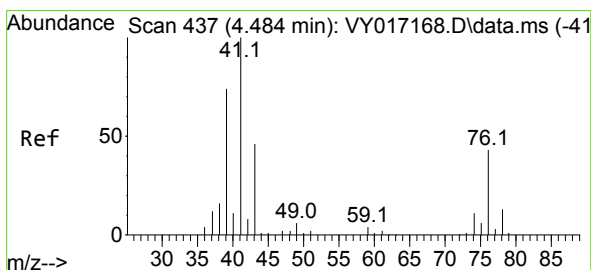
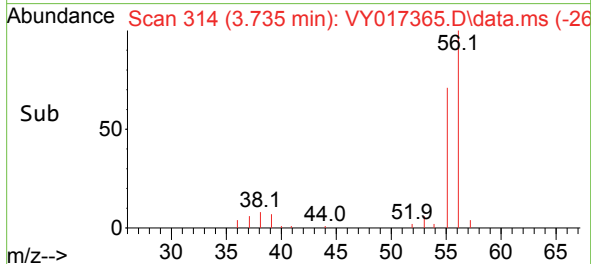
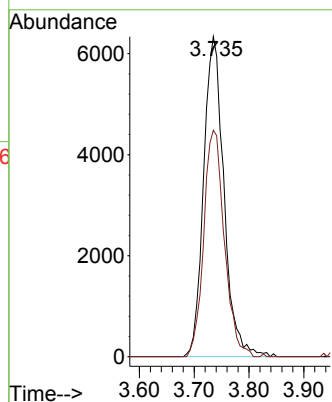
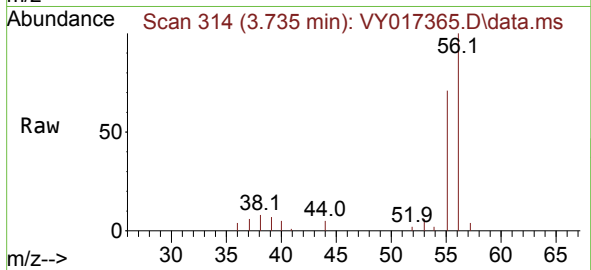




#13  
Acrolein  
Concen: 182.677 ug/l  
RT: 3.735 min Scan# 314  
Delta R.T. 0.001 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

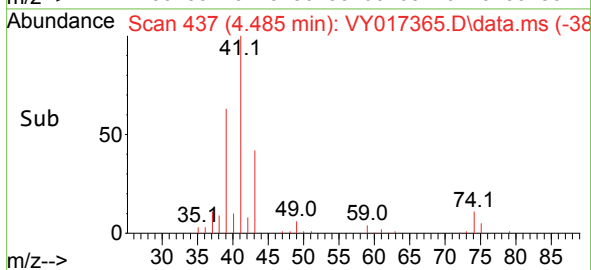
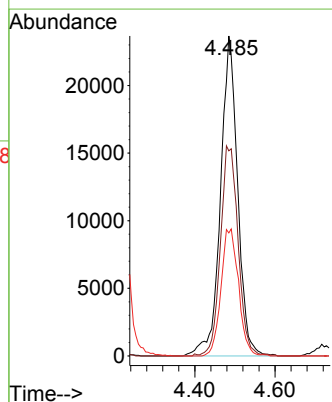
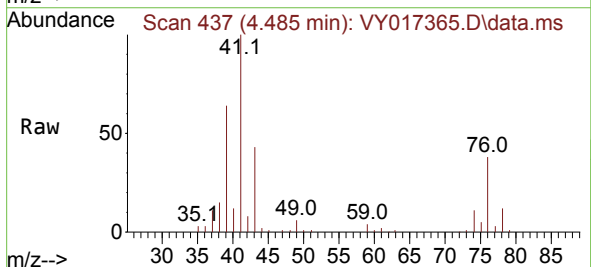
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

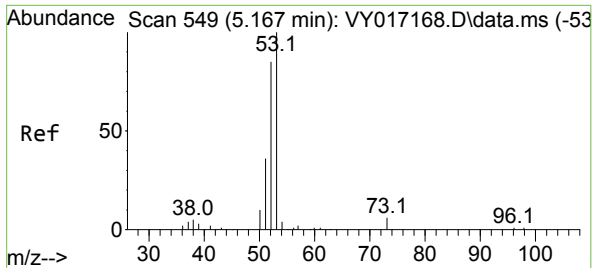
Tgt Ion: 56 Resp: 16273  
Ion Ratio Lower Upper  
56 100  
55 71.7 55.4 83.0



#14  
Allyl chloride  
Concen: 40.527 ug/l  
RT: 4.485 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 41 Resp: 70257  
Ion Ratio Lower Upper  
41 100  
39 67.8 54.7 82.1  
76 40.6 31.8 47.6

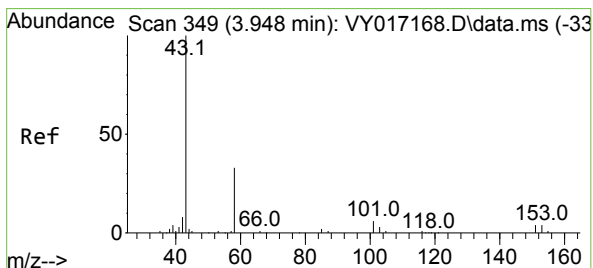
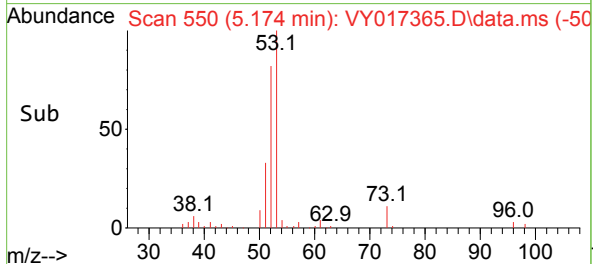
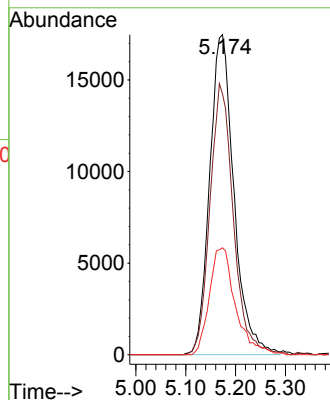
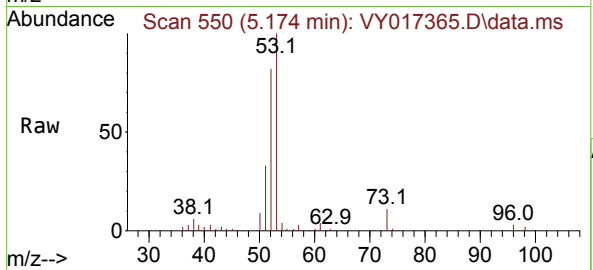




#15  
Acrylonitrile  
Concen: 206.784 ug/l  
RT: 5.174 min Scan# 51  
Delta R.T. 0.007 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

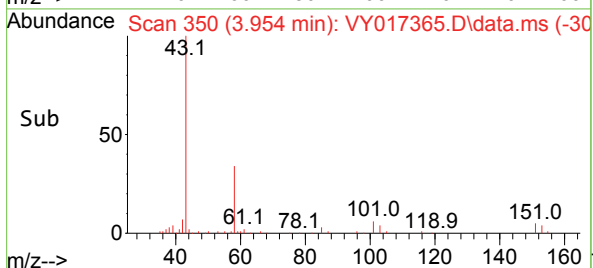
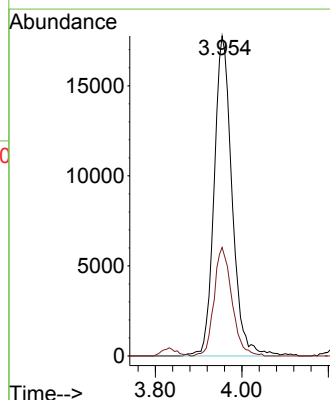
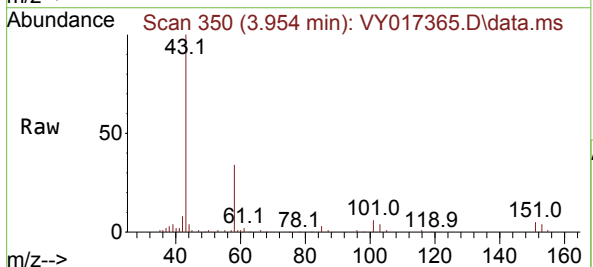
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

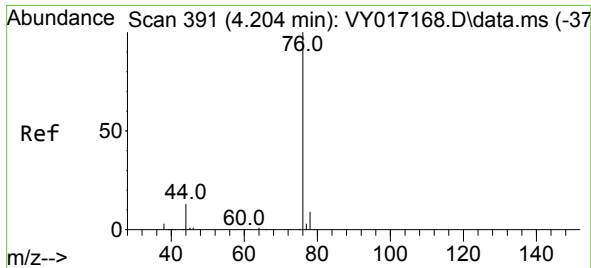
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 59123 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 81.4  | 65.1  | 97.7  |
| 51       | 35.9  | 29.0  | 43.4  |



#16  
Acetone  
Concen: 164.130 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.007 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 50982 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 33.9  | 26.6  | 39.8  |

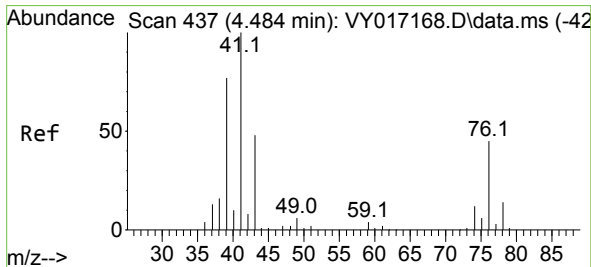
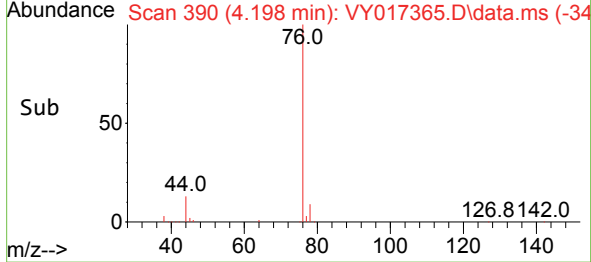
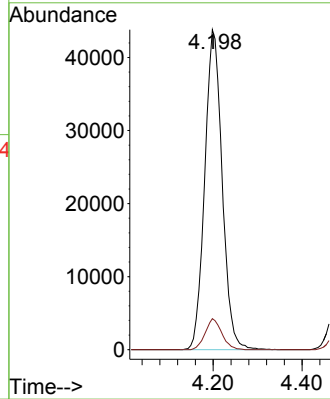
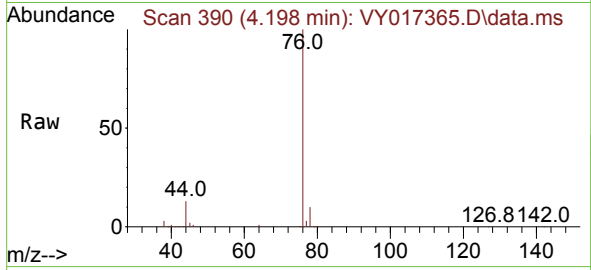




#17  
Carbon Disulfide  
Concen: 32.652 ug/l  
RT: 4.198 min Scan# 391  
Delta R.T. -0.006 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

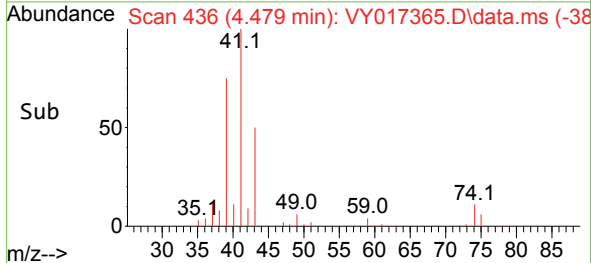
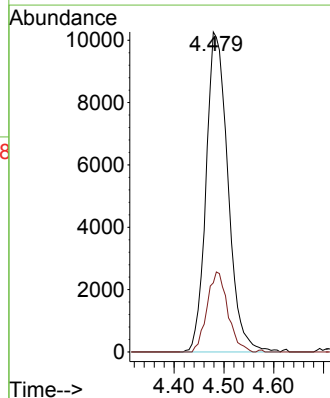
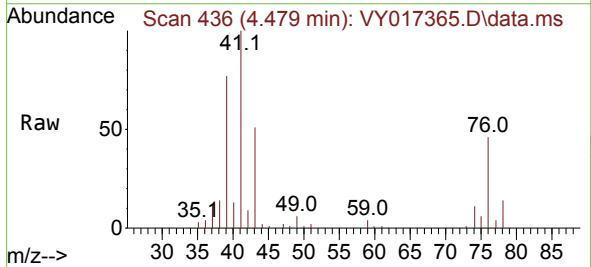
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

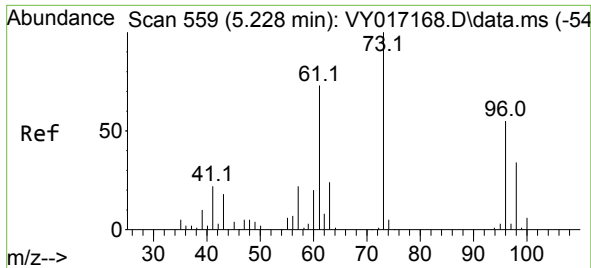
Tgt Ion: 76 Resp: 119523  
Ion Ratio Lower Upper  
76 100  
78 9.7 7.4 11.0



#18  
Methyl Acetate  
Concen: 45.070 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. -0.006 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 43 Resp: 31231  
Ion Ratio Lower Upper  
43 100  
74 23.8 19.8 29.6

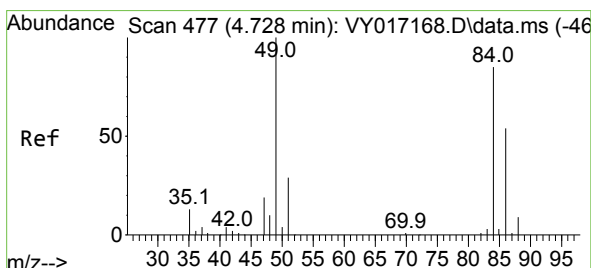
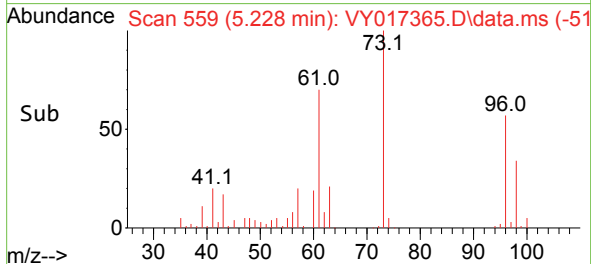
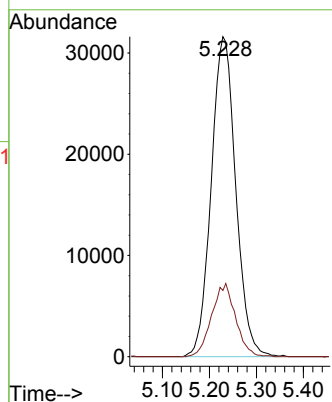
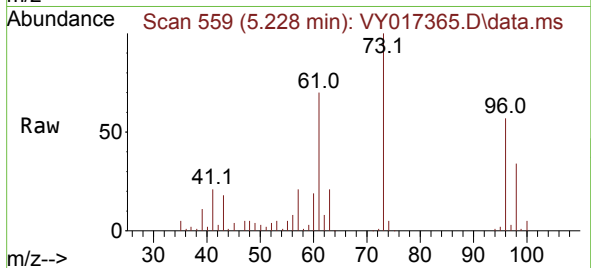




#19  
Methyl tert-butyl Ether  
Concen: 41.480 ug/l  
RT: 5.228 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

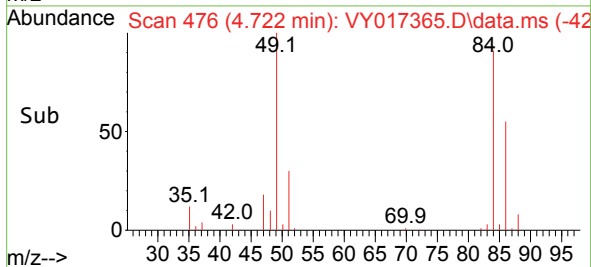
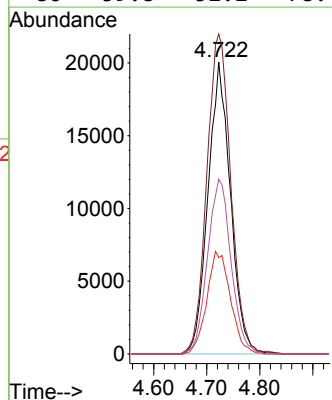
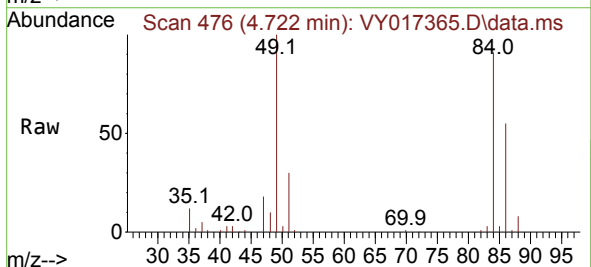
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

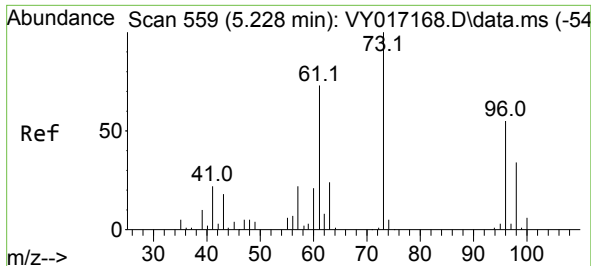
Tgt Ion: 73 Resp: 114558  
Ion Ratio Lower Upper  
73 100  
57 20.7 17.7 26.5



#20  
Methylene Chloride  
Concen: 46.076 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. -0.006 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

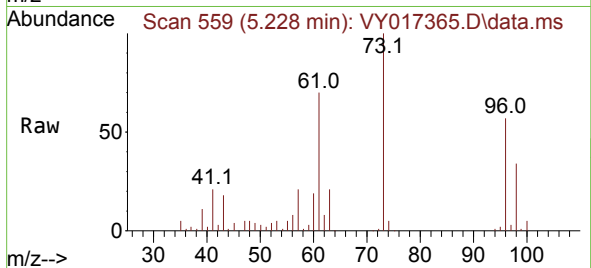
Tgt Ion: 84 Resp: 58967  
Ion Ratio Lower Upper  
84 100  
49 109.6 95.2 142.8  
51 33.0 29.9 44.9  
86 59.8 52.2 78.4



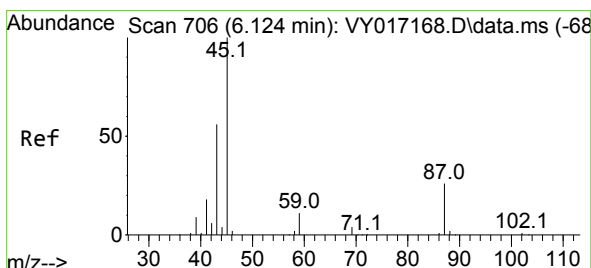
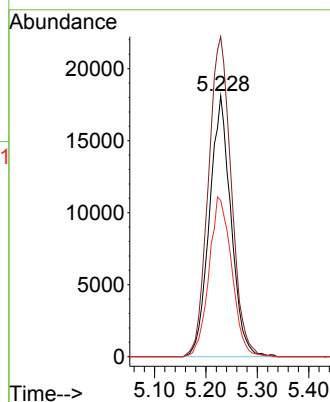
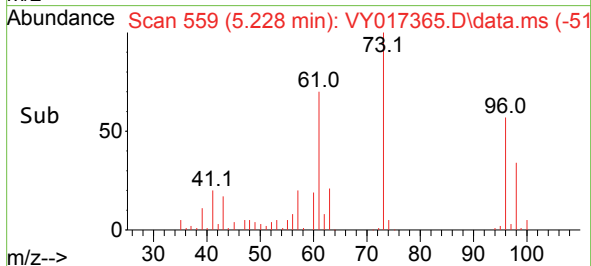


#21  
trans-1,2-Dichloroethene  
Concen: 40.341 ug/l  
RT: 5.228 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

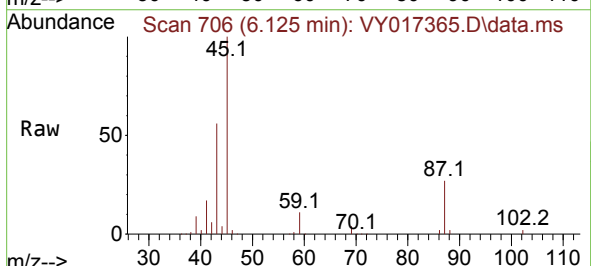
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC



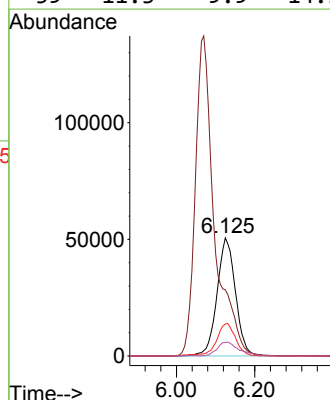
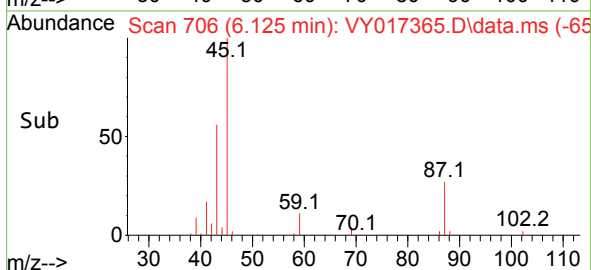
Tgt Ion: 96 Resp: 52626  
Ion Ratio Lower Upper  
96 100  
61 122.7 104.6 156.8  
98 59.9 50.9 76.3

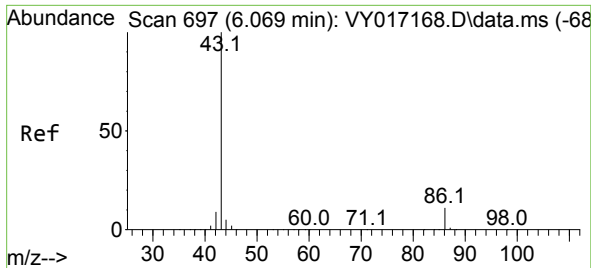


#22  
Diisopropyl ether  
Concen: 43.516 ug/l  
RT: 6.125 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52



Tgt Ion: 45 Resp: 165667  
Ion Ratio Lower Upper  
45 100  
43 55.7 46.8 70.2  
87 26.9 22.2 33.2  
59 11.3 9.9 14.9

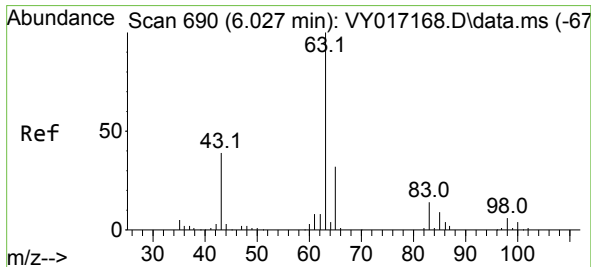
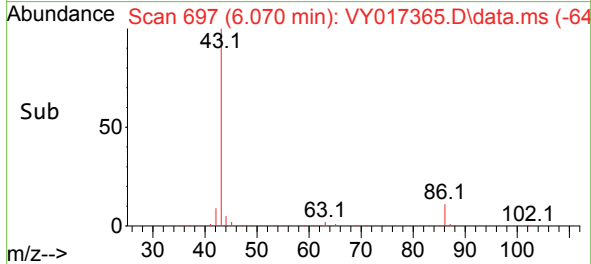
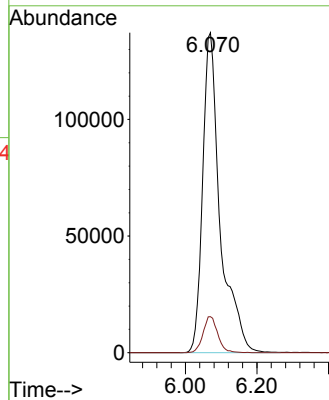
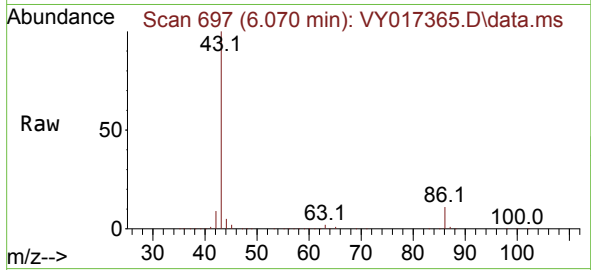




#23  
 Vinyl Acetate  
 Concen: 202.222 ug/l  
 RT: 6.070 min Scan# 697  
 Delta R.T. 0.000 min  
 Lab File: VY017365.D  
 Acq: 12 Feb 2024 19:52

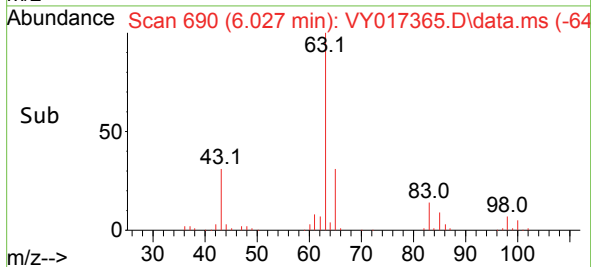
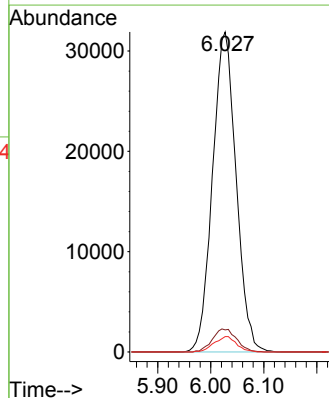
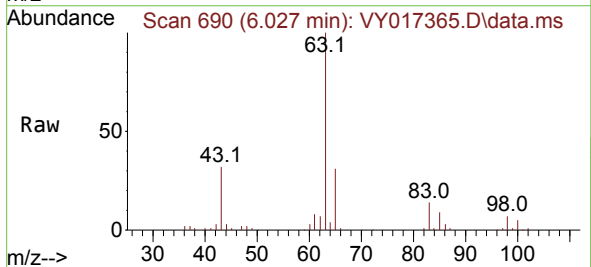
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 466474  
 Ion Ratio Lower Upper  
 43 100  
 86 11.3 8.6 13.0



#24  
 1,1-Dichloroethane  
 Concen: 42.243 ug/l  
 RT: 6.027 min Scan# 690  
 Delta R.T. 0.000 min  
 Lab File: VY017365.D  
 Acq: 12 Feb 2024 19:52

Tgt Ion: 63 Resp: 98516  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.8 11.4  
 100 4.8 2.1 6.2





#25

2-Butanone

Concen: 181.096 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

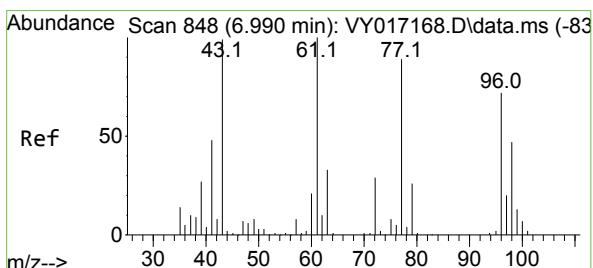
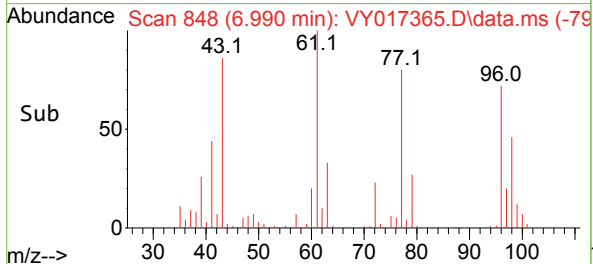
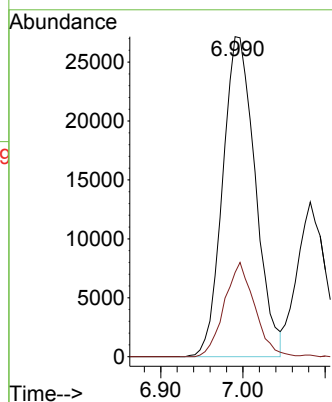
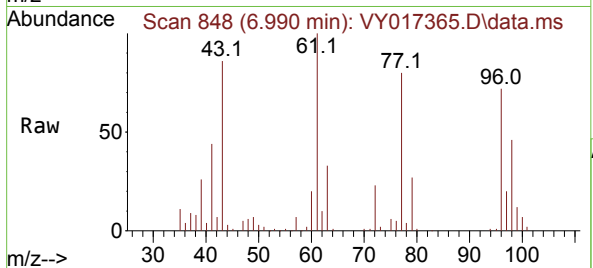
VSTDCCC050EC

Tgt Ion: 43 Resp: 74780

Ion Ratio Lower Upper

43 100

72 26.3 21.4 32.2



#26

2,2-Dichloropropane

Concen: 39.792 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY017365.D

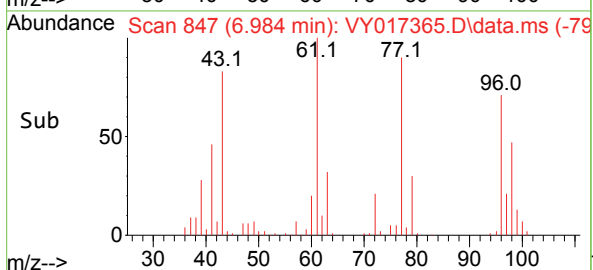
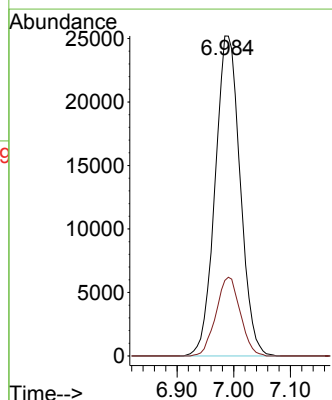
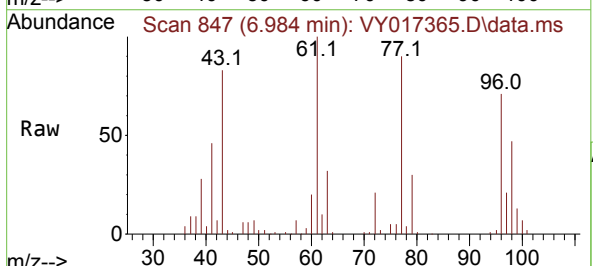
Acq: 12 Feb 2024 19:52

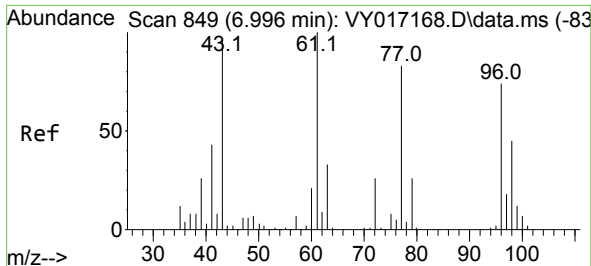
Tgt Ion: 77 Resp: 77191

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 42.633 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

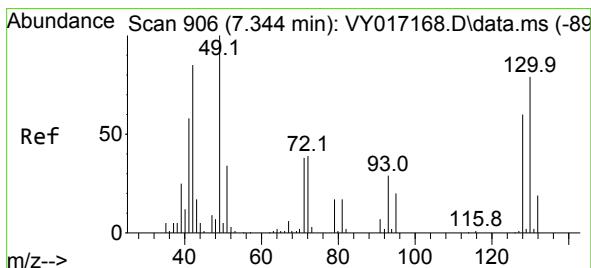
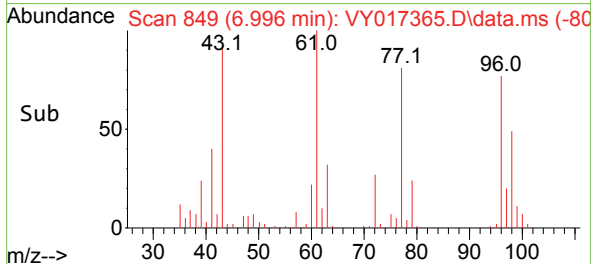
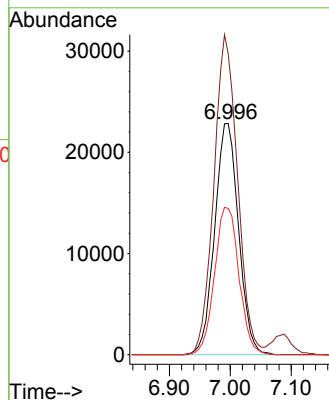
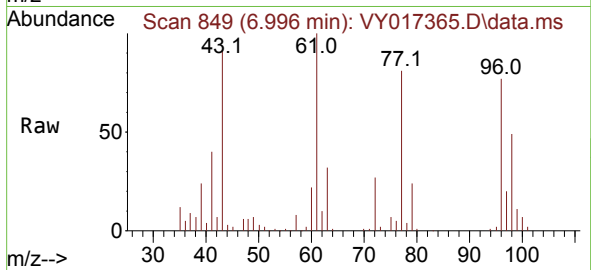
Tgt Ion: 96 Resp: 62203

Ion Ratio Lower Upper

96 100

61 137.0 0.0 278.8

98 65.1 0.0 127.0



#28

Bromochloromethane

Concen: 40.764 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

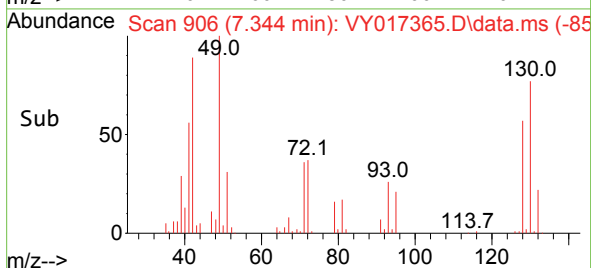
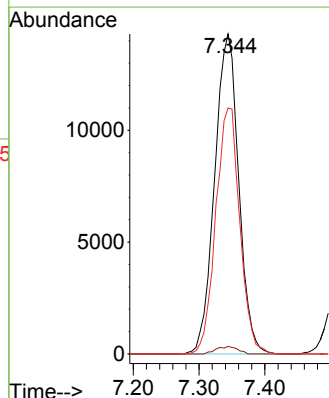
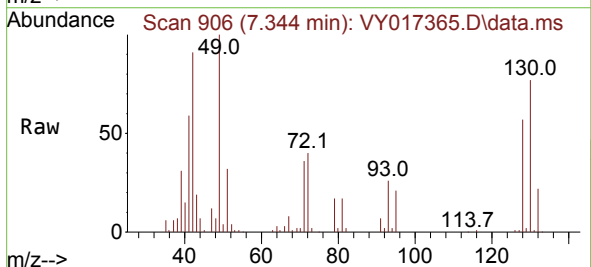
Tgt Ion: 49 Resp: 36401

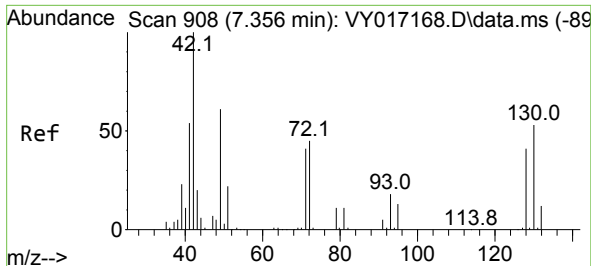
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 76.7 59.8 89.8





#29

Tetrahydrofuran

Concen: 199.946 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.007 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

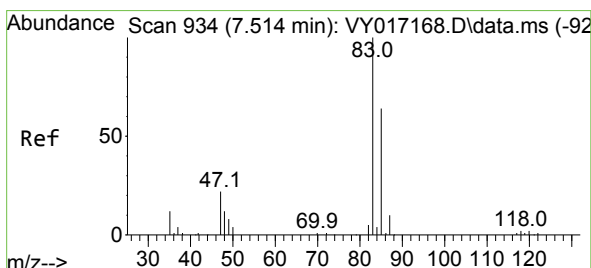
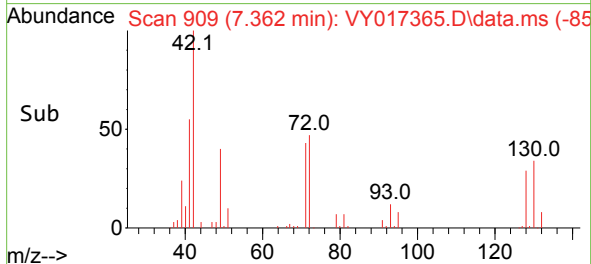
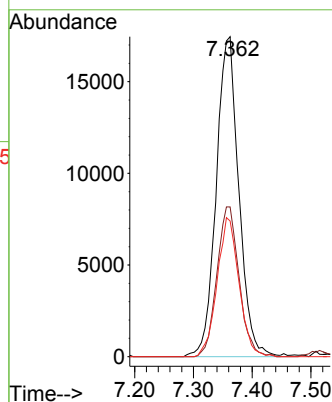
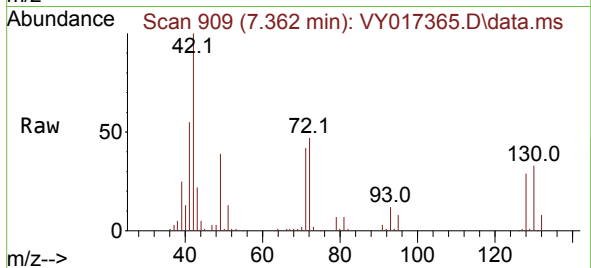
Tgt Ion: 42 Resp: 46640

Ion Ratio Lower Upper

42 100

72 45.8 36.6 54.8

71 42.1 33.8 50.6



#30

Chloroform

Concen: 43.049 ug/l

RT: 7.515 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY017365.D

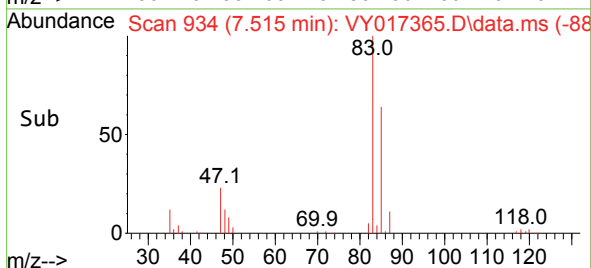
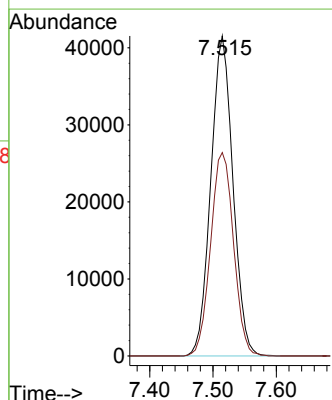
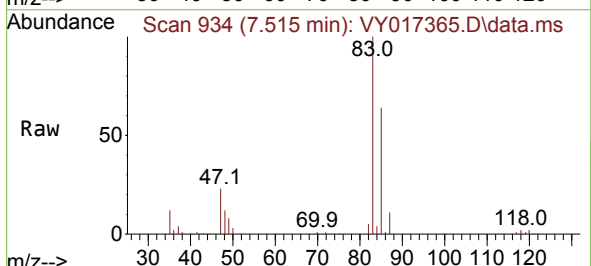
Acq: 12 Feb 2024 19:52

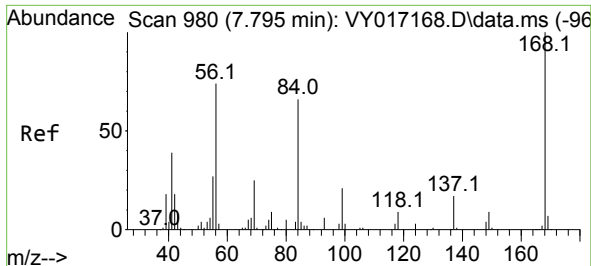
Tgt Ion: 83 Resp: 100996

Ion Ratio Lower Upper

83 100

85 63.5 51.2 76.8

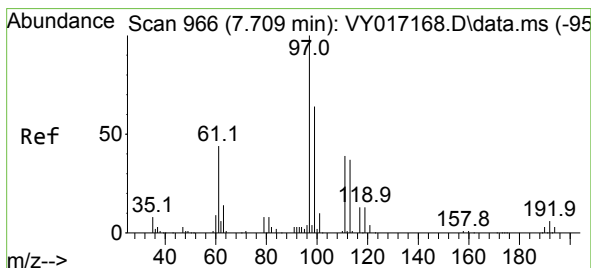
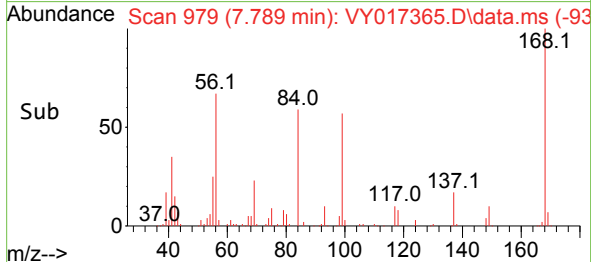
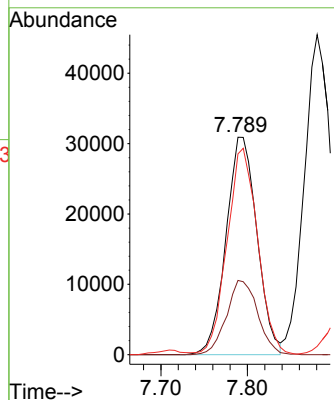
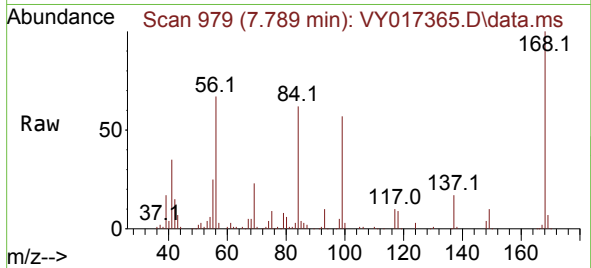




#31  
Cyclohexane  
Concen: 36.055 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

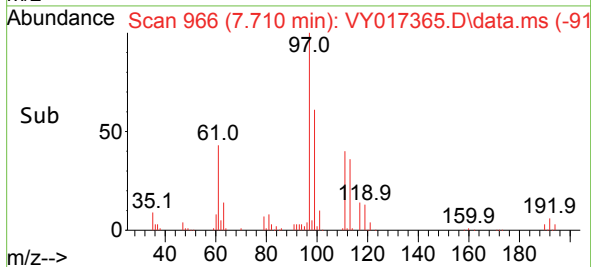
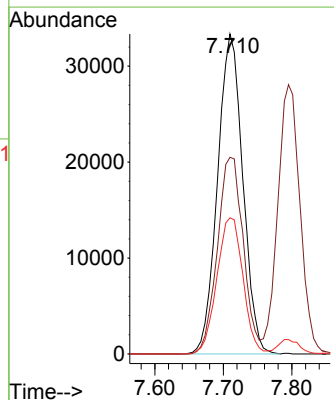
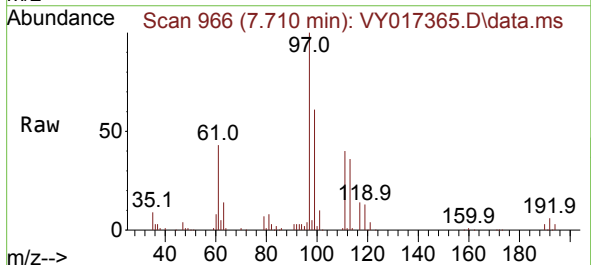
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

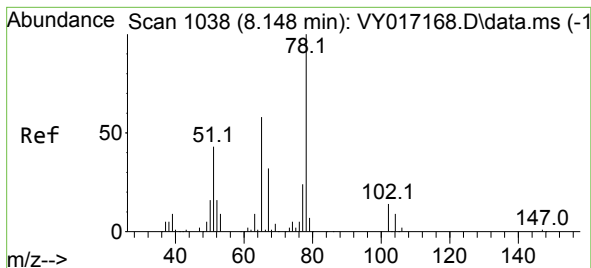
Tgt Ion: 56 Resp: 76804  
Ion Ratio Lower Upper  
56 100  
69 34.1 27.0 40.6  
84 91.2 71.8 107.6



#32  
1,1,1-Trichloroethane  
Concen: 42.259 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 97 Resp: 85278  
Ion Ratio Lower Upper  
97 100  
99 62.9 51.2 76.8  
61 44.0 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 41.244 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

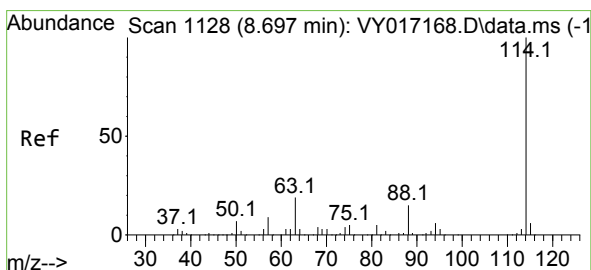
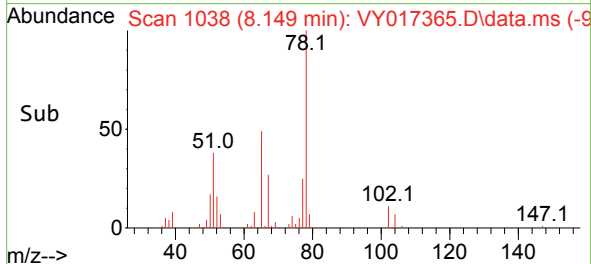
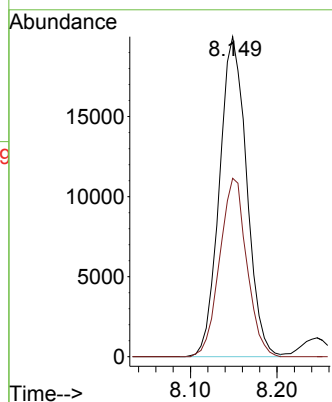
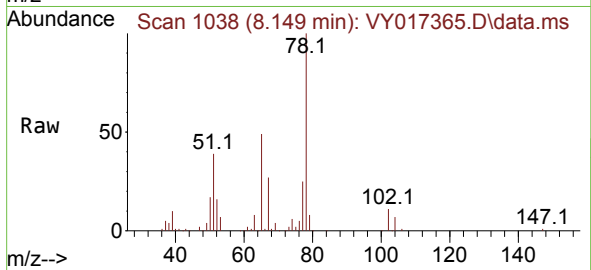
VSTDCCC050EC

Tgt Ion: 65 Resp: 43588

Ion Ratio Lower Upper

65 100

67 55.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

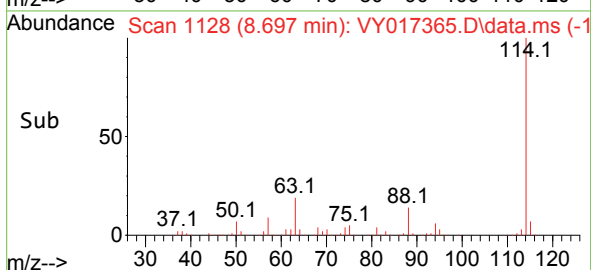
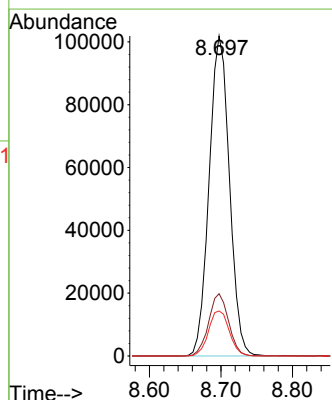
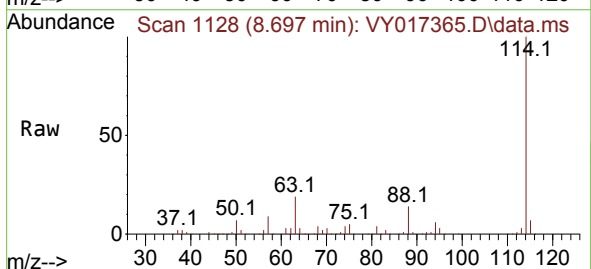
Tgt Ion: 114 Resp: 200950

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 14.0 0.0 29.0

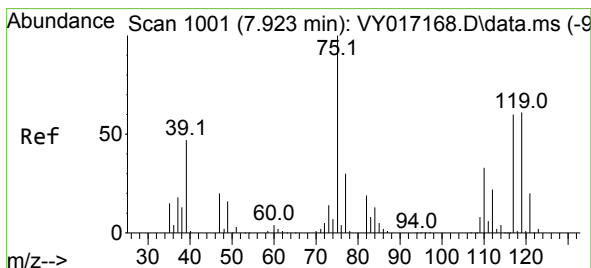
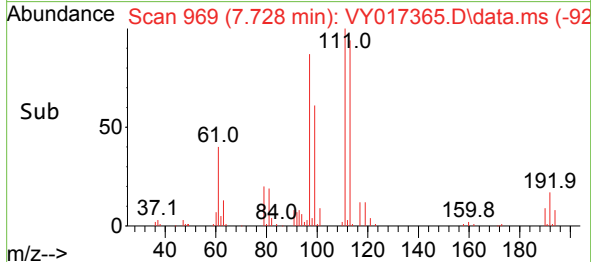
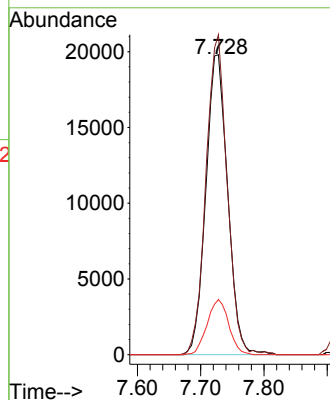
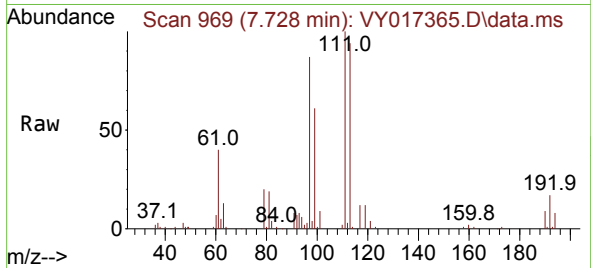




#35  
Dibromofluoromethane  
Concen: 43.798 ug/l  
RT: 7.728 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

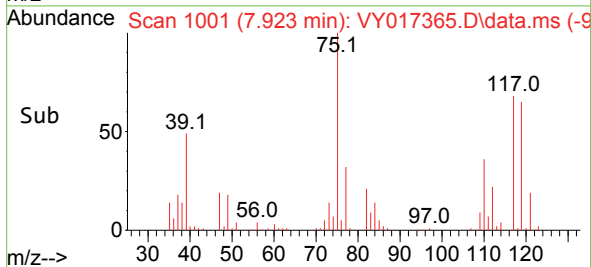
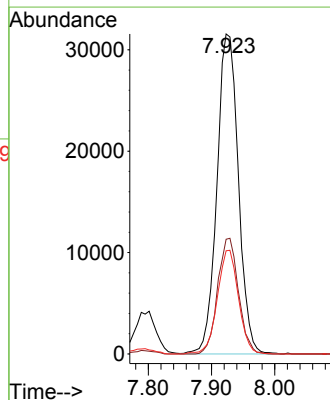
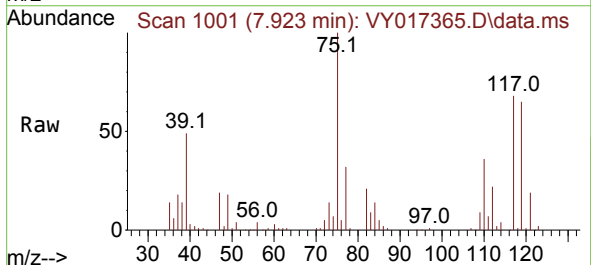
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

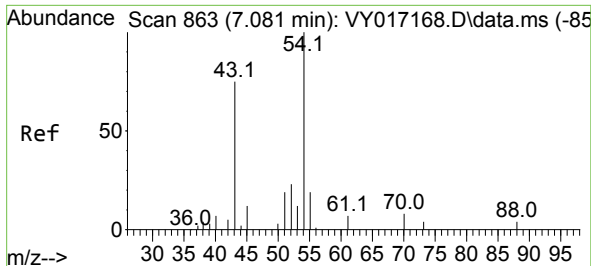
Tgt Ion:113 Resp: 47521  
Ion Ratio Lower Upper  
113 100  
111 103.6 83.8 125.6  
192 18.2 14.5 21.7



#36  
1,1-Dichloropropene  
Concen: 39.681 ug/l  
RT: 7.923 min Scan# 1001  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 75 Resp: 74266  
Ion Ratio Lower Upper  
75 100  
110 35.0 17.4 52.3  
77 31.9 24.7 37.1





#37

Ethyl Acetate

Concen: 37.919 ug/l

RT: 7.082 min Scan# 8

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

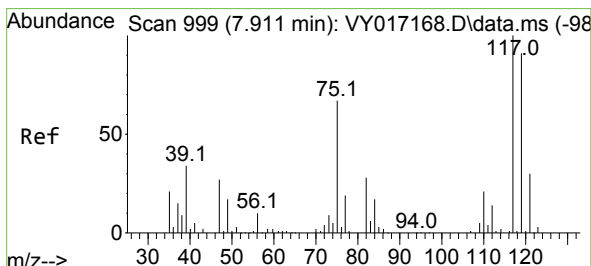
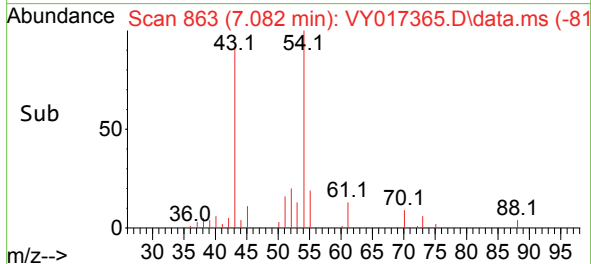
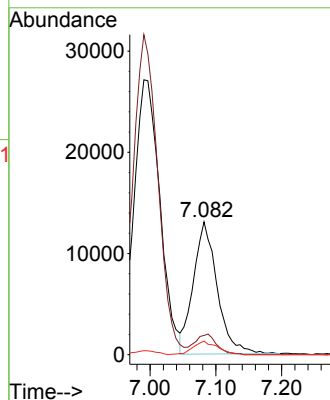
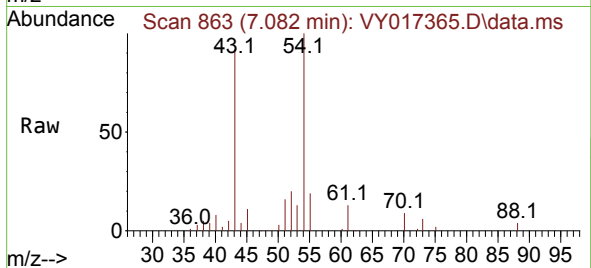
Tgt Ion: 43 Resp: 32915

Ion Ratio Lower Upper

43 100

61 14.7 11.0 16.6

70 10.4 8.1 12.1



#38

Carbon Tetrachloride

Concen: 42.267 ug/l

RT: 7.911 min Scan# 999

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

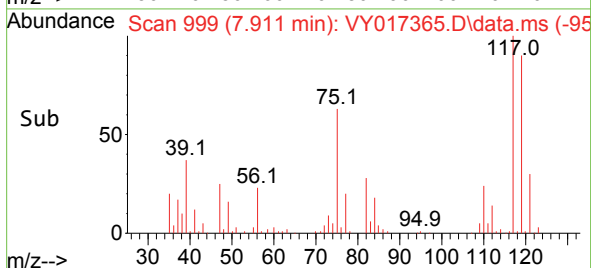
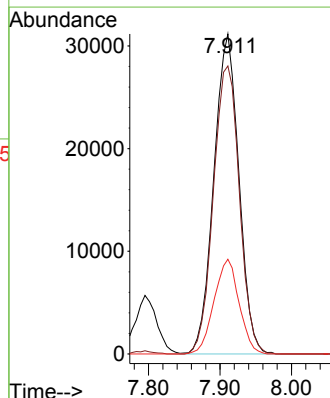
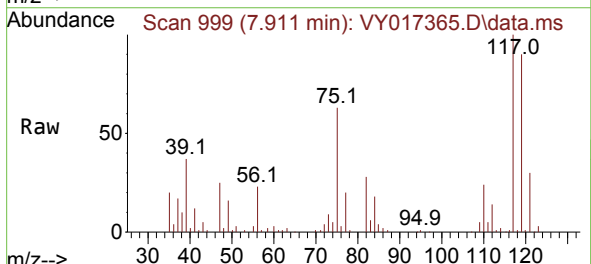
Tgt Ion: 117 Resp: 75740

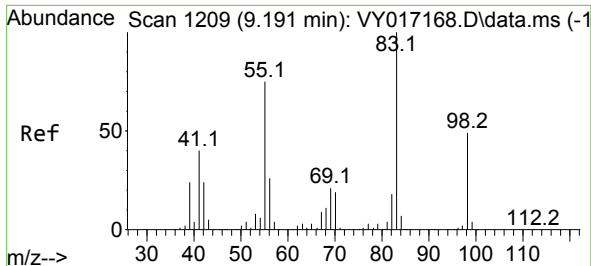
Ion Ratio Lower Upper

117 100

119 90.0 76.0 114.0

121 29.6 24.2 36.2





#39

Methylcyclohexane

Concen: 38.015 ug/l

RT: 9.191 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

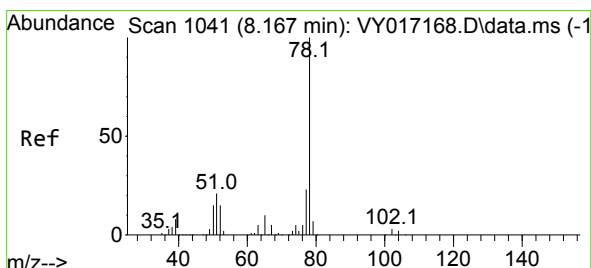
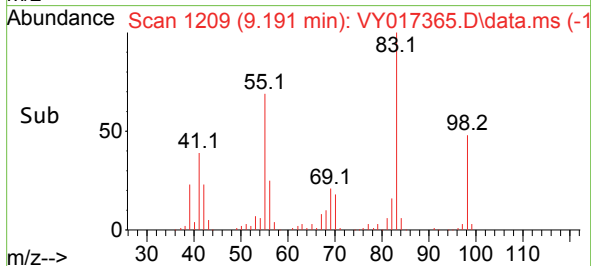
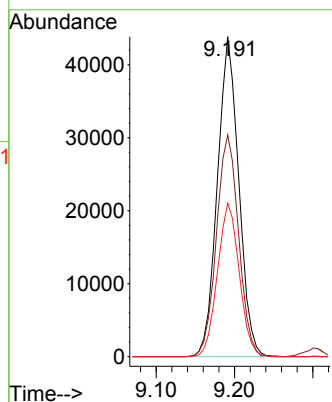
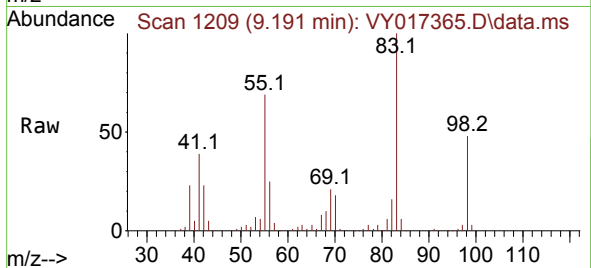
Tgt Ion: 83 Resp: 83119

Ion Ratio Lower Upper

83 100

55 69.3 59.7 89.5

98 48.0 38.0 57.0



#40

Benzene

Concen: 41.790 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY017365.D

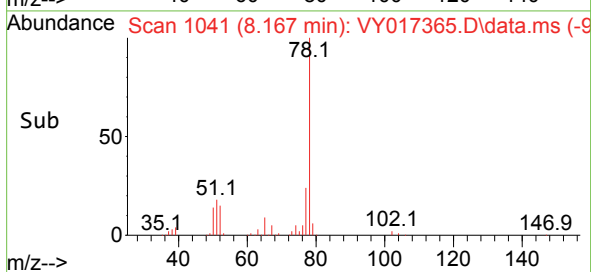
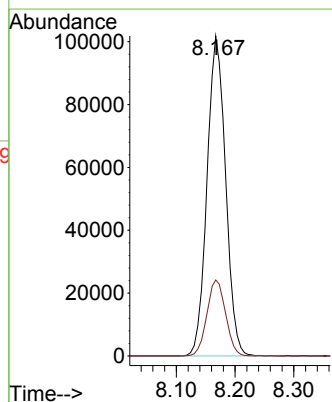
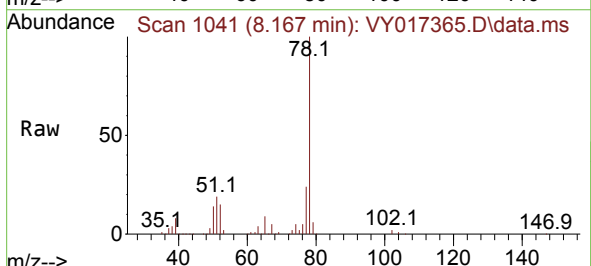
Acq: 12 Feb 2024 19:52

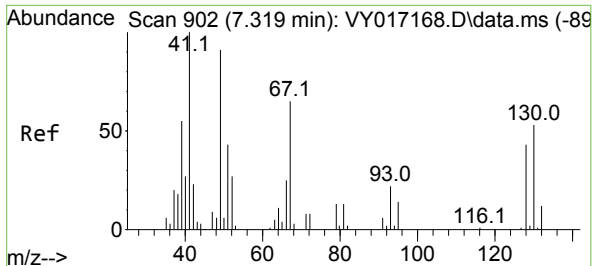
Tgt Ion: 78 Resp: 223350

Ion Ratio Lower Upper

78 100

77 23.7 18.8 28.2



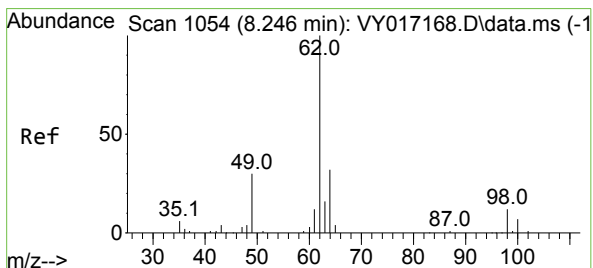
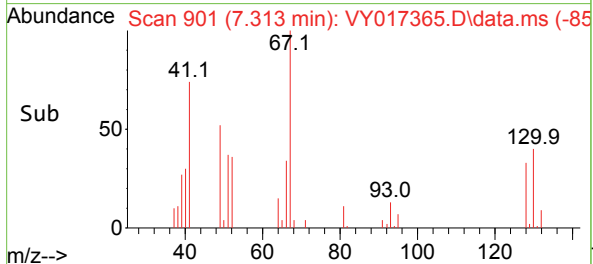
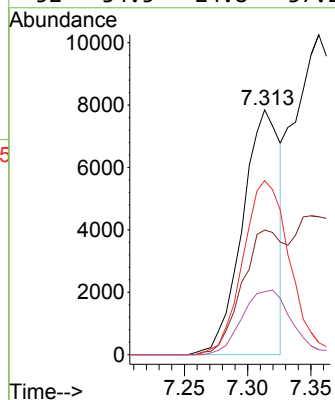
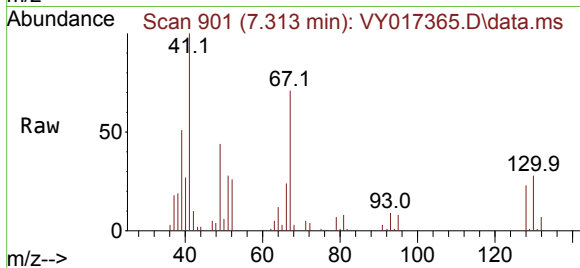


#41  
Methacrylonitrile  
Concen: 39.317 ug/l  
RT: 7.313 min Scan# 901  
Delta R.T. -0.006 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 16170

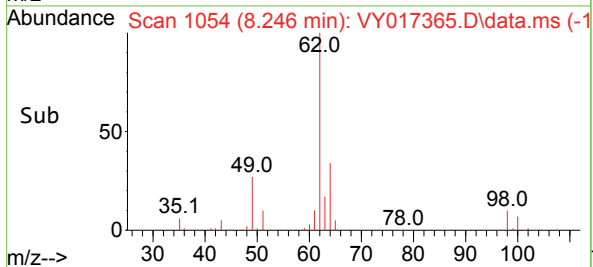
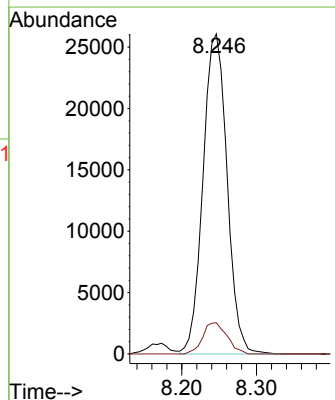
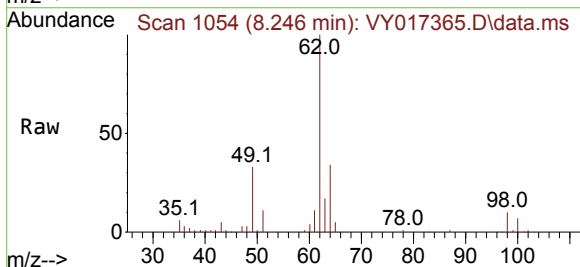
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 60.2  | 41.9  | 62.9  |
| 67  | 89.6  | 59.8  | 89.6  |
| 52  | 34.5  | 24.8  | 37.2  |

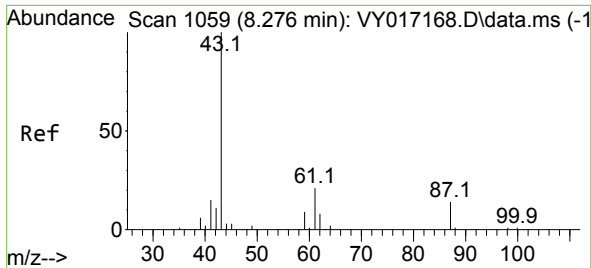


#42  
1,2-Dichloroethane  
Concen: 41.186 ug/l  
RT: 8.246 min Scan# 1054  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 62 Resp: 58282

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.9   | 0.0   | 20.2  |

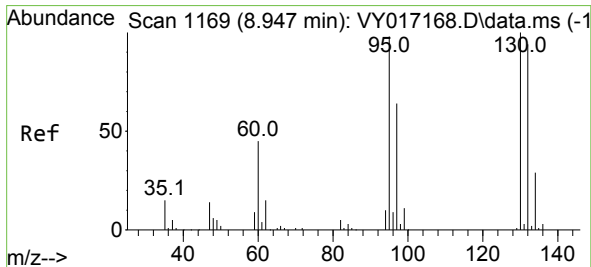
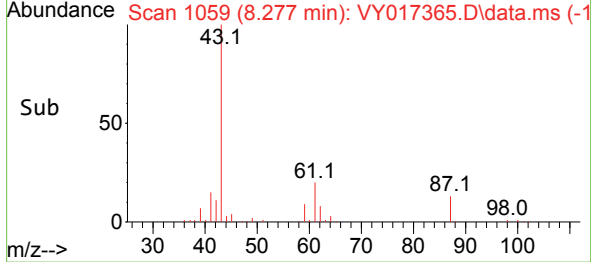
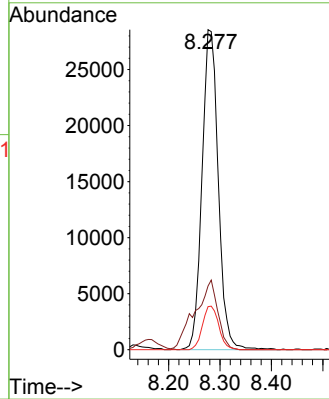
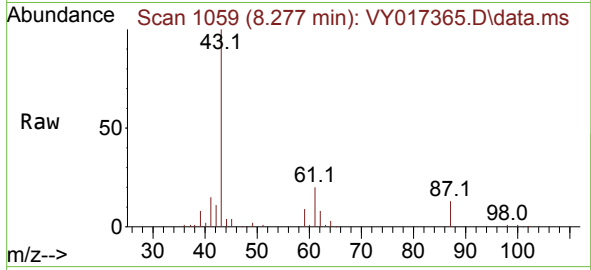




#43  
Isopropyl Acetate  
Concen: 40.745 ug/l  
RT: 8.277 min Scan# 1059  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

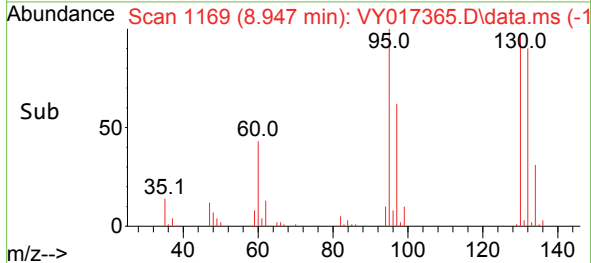
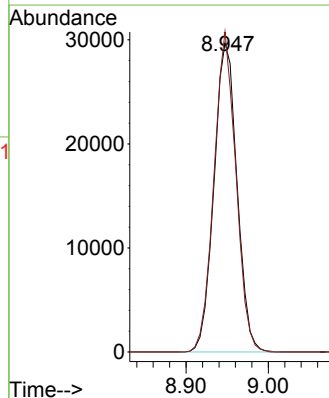
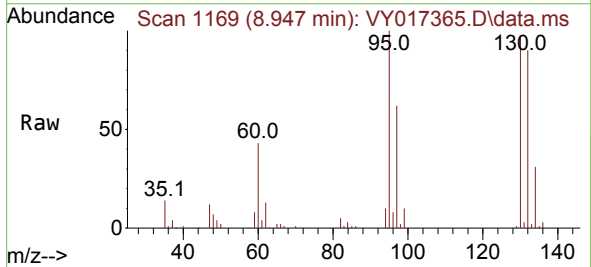
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 62610  
Ion Ratio Lower Upper  
43 100  
61 30.7 24.8 37.2  
87 13.6 10.7 16.1



#44  
Trichloroethene  
Concen: 42.517 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion:130 Resp: 57682  
Ion Ratio Lower Upper  
130 100  
95 103.6 0.0 203.8

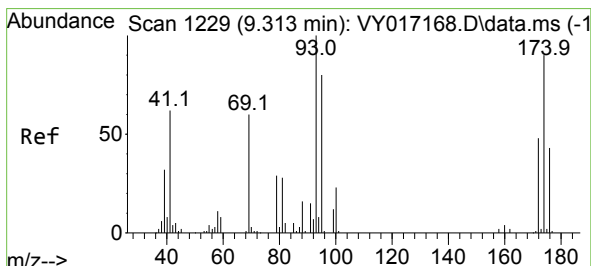
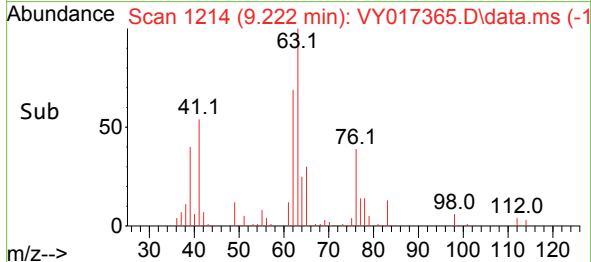
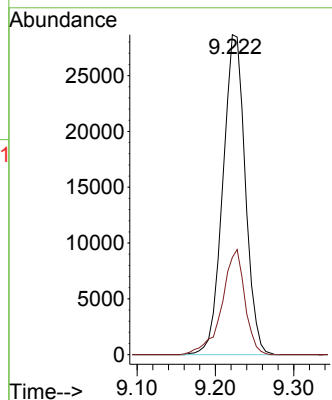
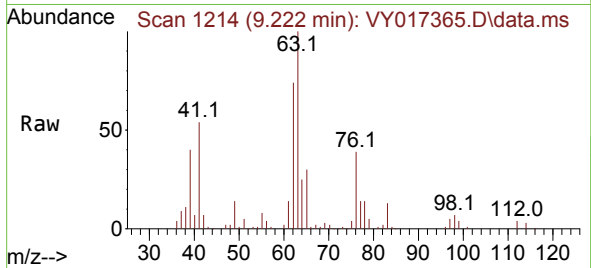




#45  
1,2-Dichloropropane  
Concen: 43.427 ug/l  
RT: 9.222 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

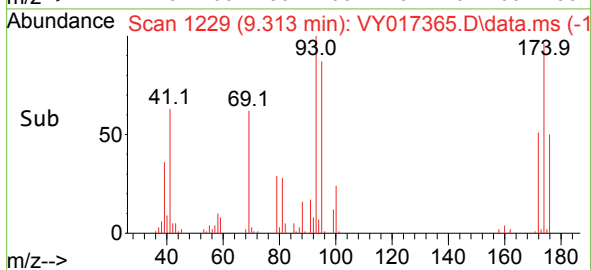
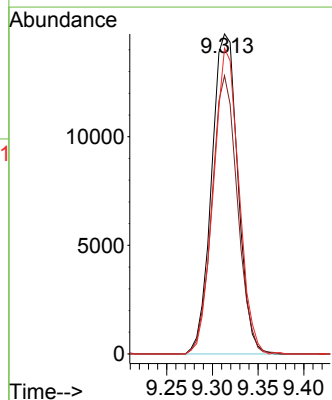
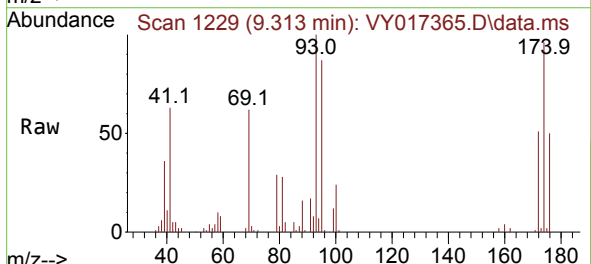
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

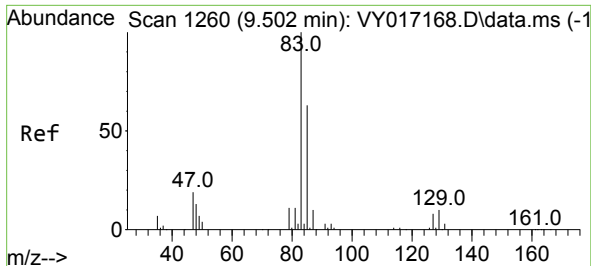
Tgt Ion: 63 Resp: 57010  
Ion Ratio Lower Upper  
63 100  
65 30.4 24.6 36.8



#46  
Dibromomethane  
Concen: 41.507 ug/l  
RT: 9.313 min Scan# 1229  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 93 Resp: 29434  
Ion Ratio Lower Upper  
93 100  
95 84.4 66.6 99.8  
174 92.4 73.8 110.6





#47

Bromodichloromethane

Concen: 42.687 ug/l

RT: 9.502 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

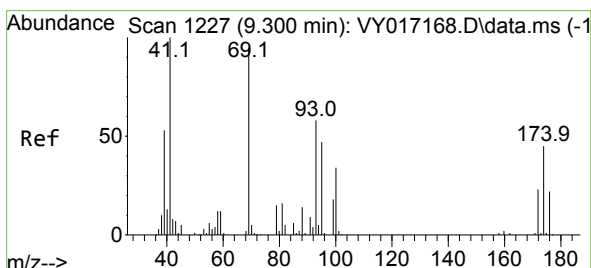
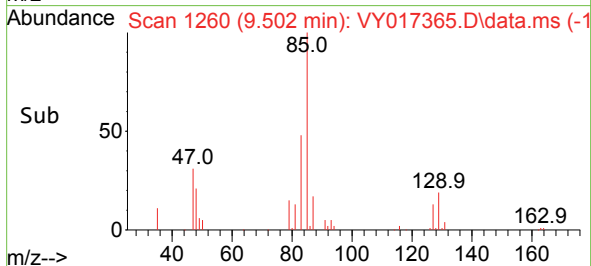
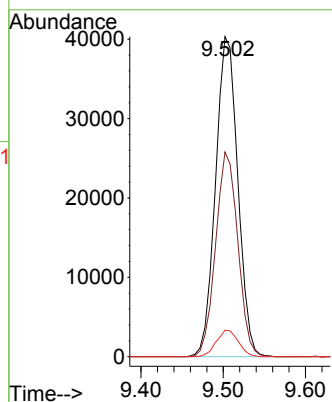
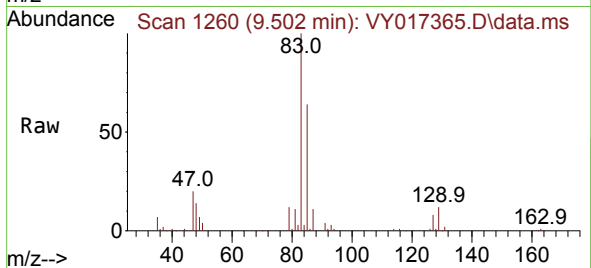
Tgt Ion: 83 Resp: 75757

Ion Ratio Lower Upper

83 100

85 64.0 53.2 79.8

127 8.3 6.4 9.6



#48

Methyl methacrylate

Concen: 41.696 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

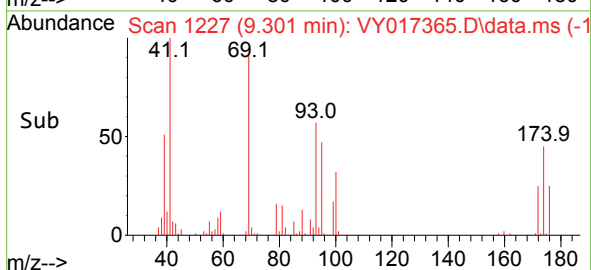
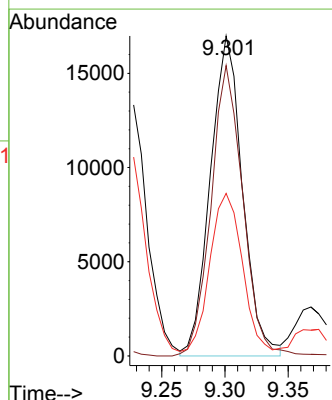
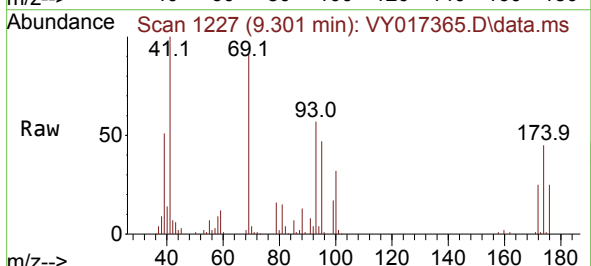
Tgt Ion: 41 Resp: 30053

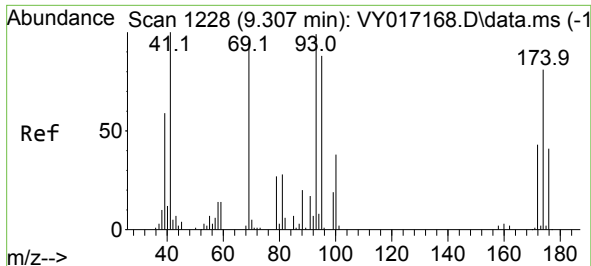
Ion Ratio Lower Upper

41 100

69 89.8 72.1 108.1

39 49.8 42.8 64.2





#49

1,4-Dioxane

Concen: 854.302 ug/l

RT: 9.307 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

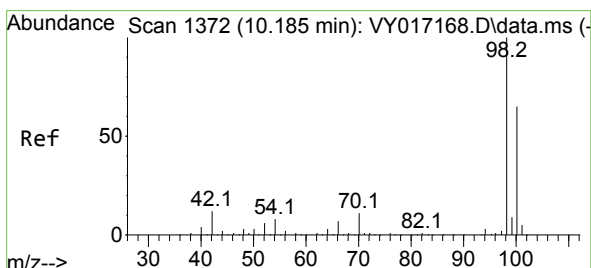
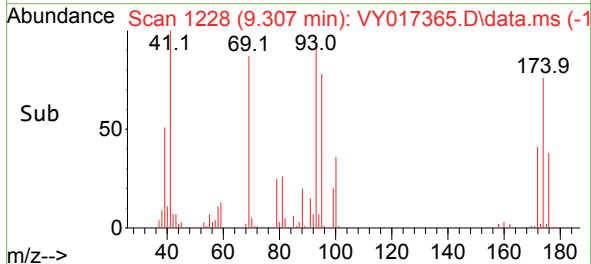
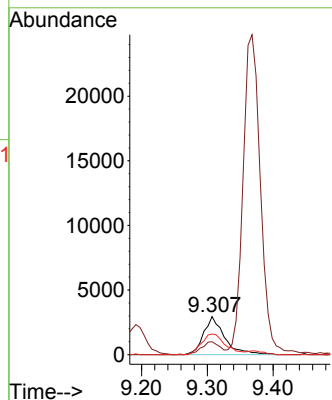
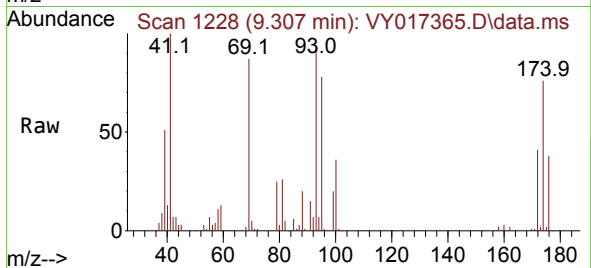
Tgt Ion: 88 Resp: 6594

Ion Ratio Lower Upper

88 100

43 29.7 28.2 42.4

58 61.2 52.2 78.2



#50

Toluene-d8

Concen: 43.257 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.007 min

Lab File: VY017365.D

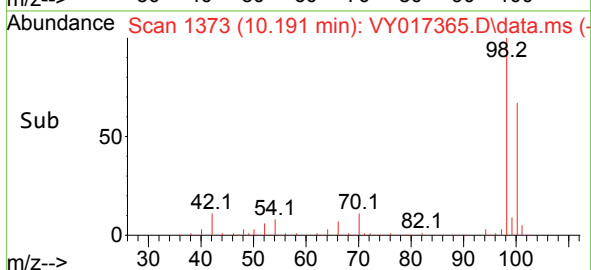
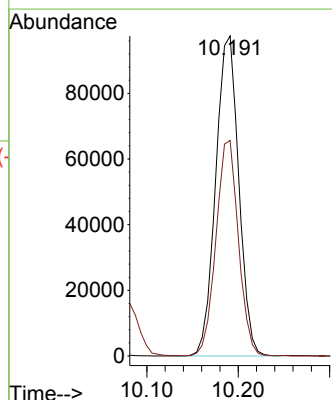
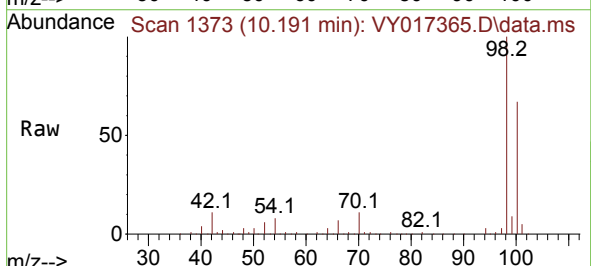
Acq: 12 Feb 2024 19:52

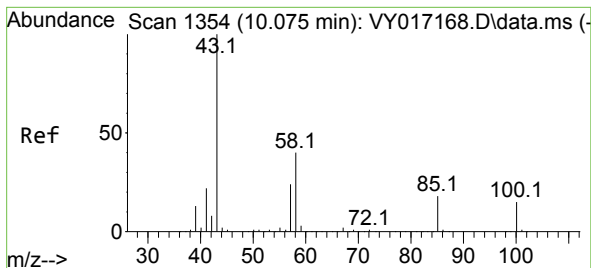
Tgt Ion: 98 Resp: 170883

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 208.054 ug/l

RT: 10.075 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

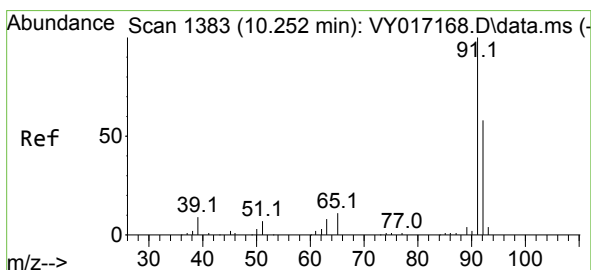
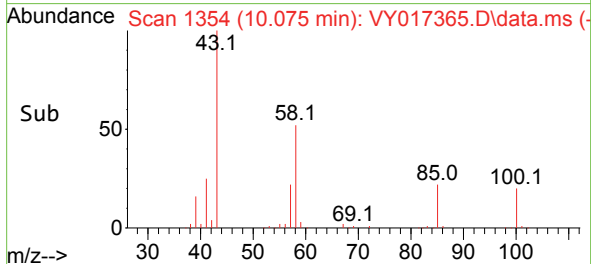
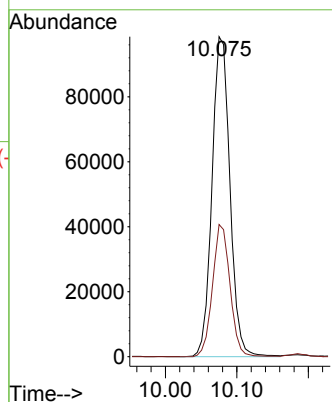
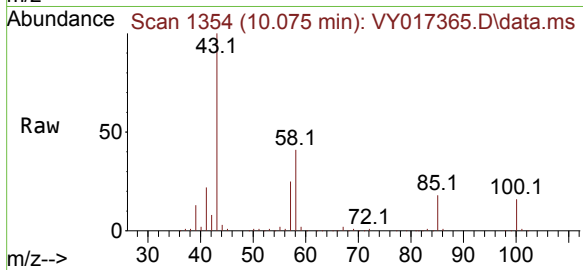
VSTDCCC050EC

Tgt Ion: 43 Resp: 171375

Ion Ratio Lower Upper

43 100

58 40.3 32.2 48.2



#52

Toluene

Concen: 42.636 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VY017365.D

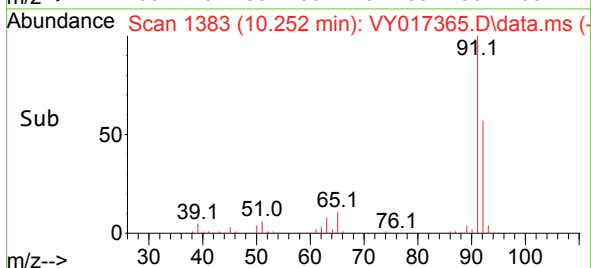
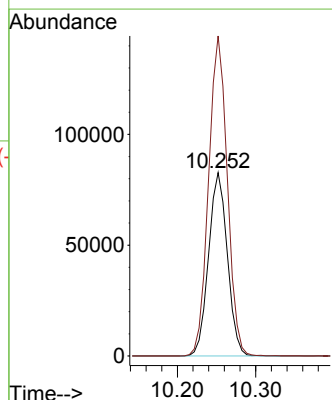
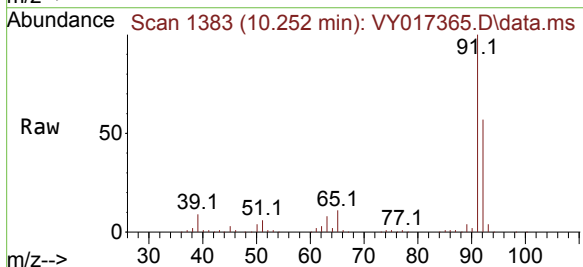
Acq: 12 Feb 2024 19:52

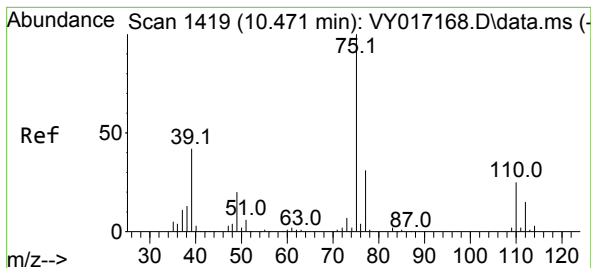
Tgt Ion: 92 Resp: 137545

Ion Ratio Lower Upper

92 100

91 174.2 137.6 206.4

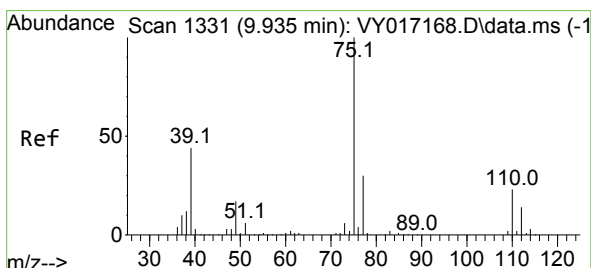
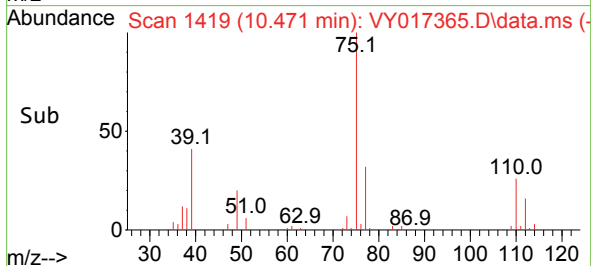
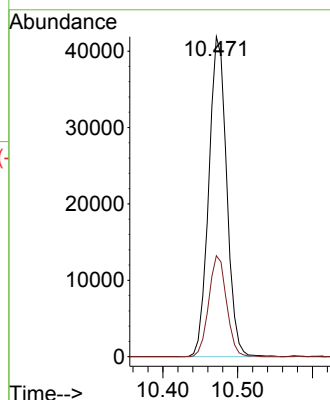
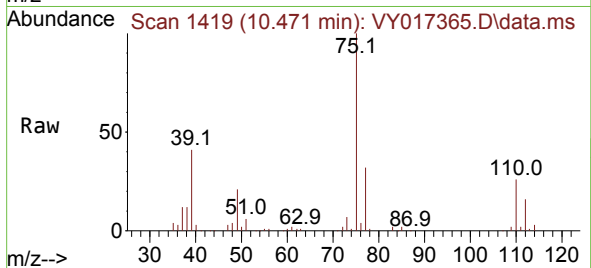




#53  
t-1,3-Dichloropropene  
Concen: 41.840 ug/l  
RT: 10.471 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

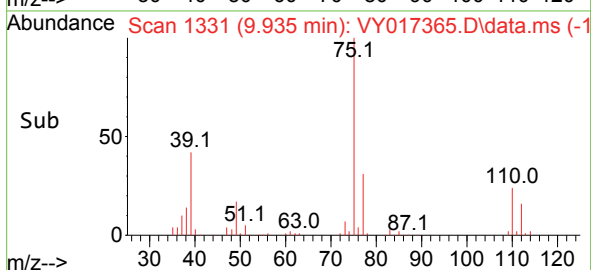
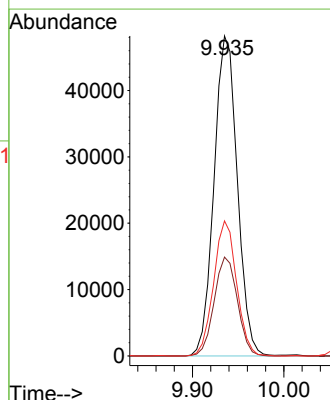
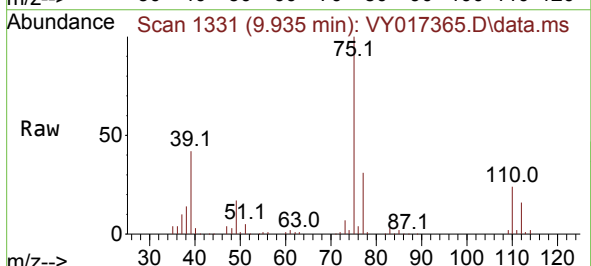
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

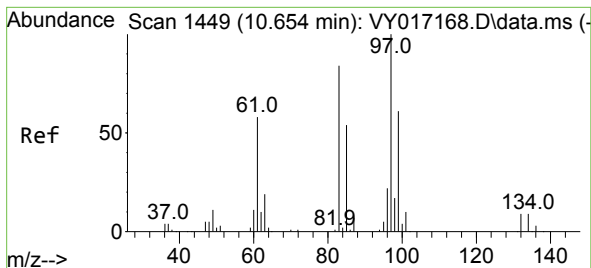
Tgt Ion: 75 Resp: 69747  
Ion Ratio Lower Upper  
75 100  
77 31.5 24.6 36.8



#54  
cis-1,3-Dichloropropene  
Concen: 42.843 ug/l  
RT: 9.935 min Scan# 1331  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 75 Resp: 85544  
Ion Ratio Lower Upper  
75 100  
77 30.9 24.6 36.8  
39 42.2 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 42.764 ug/l

RT: 10.654 min Scan# 1449

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 41260

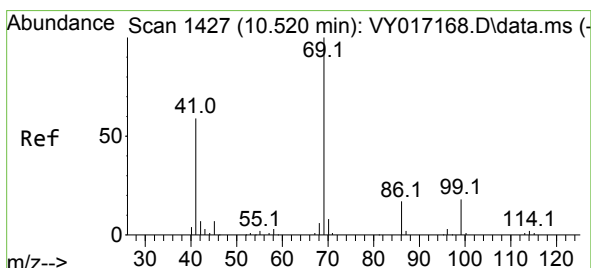
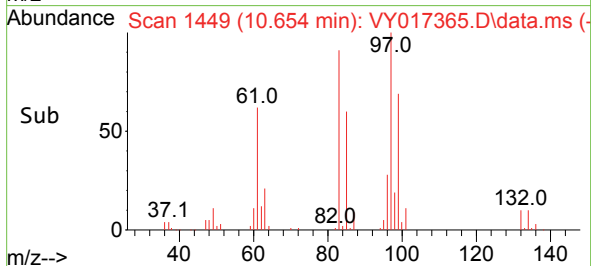
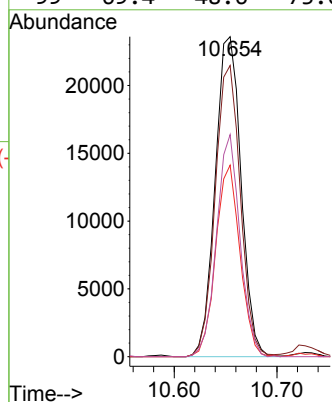
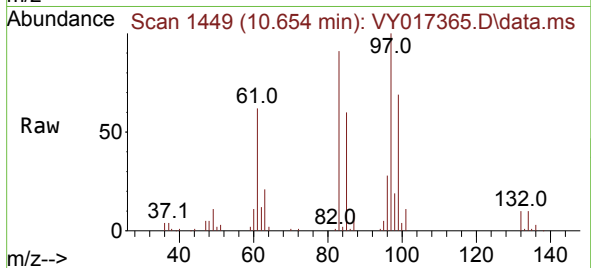
Ion Ratio Lower Upper

97 100

83 91.0 69.4 104.2

85 59.8 43.9 65.9

99 69.4 48.6 73.0



#56

Ethyl methacrylate

Concen: 39.288 ug/l

RT: 10.520 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

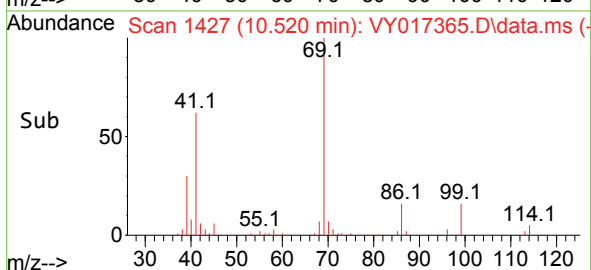
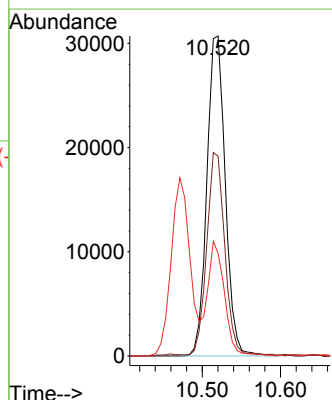
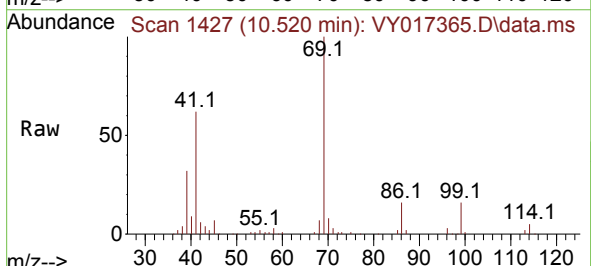
Tgt Ion: 69 Resp: 50112

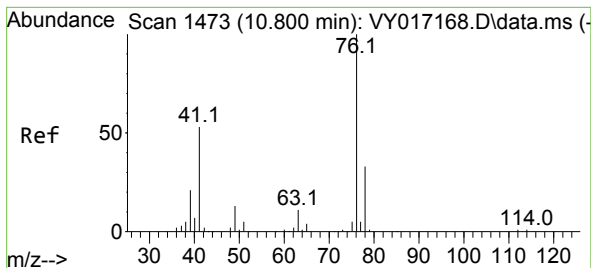
Ion Ratio Lower Upper

69 100

41 63.1 49.2 73.8

39 33.2 26.8 40.2

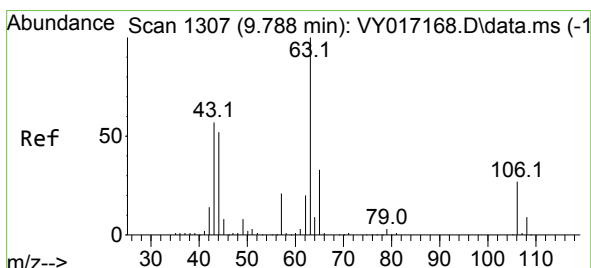
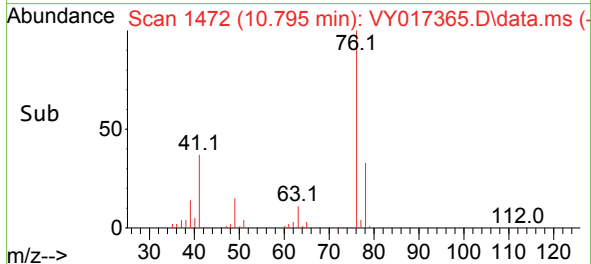
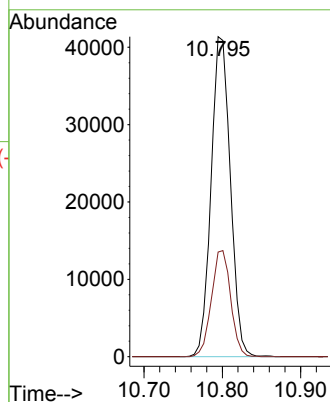
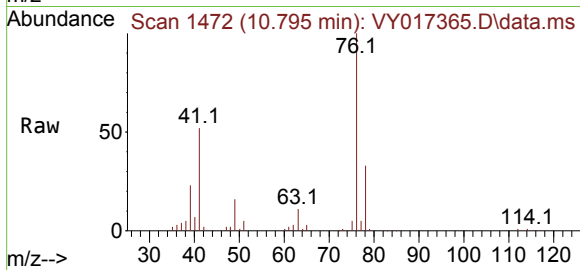




#57  
1,3-Dichloropropane  
Concen: 42.604 ug/l  
RT: 10.795 min Scan# 1473  
Delta R.T. -0.006 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

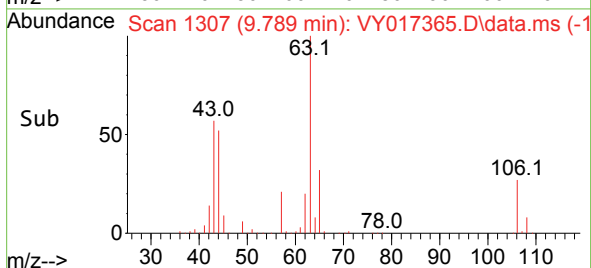
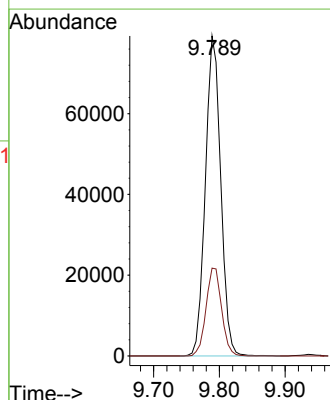
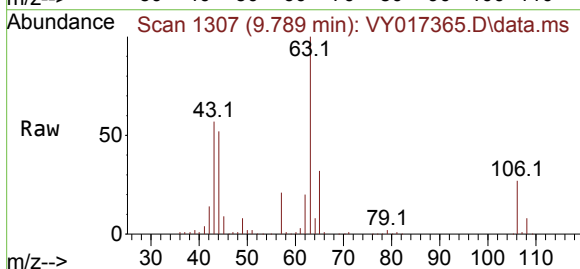
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

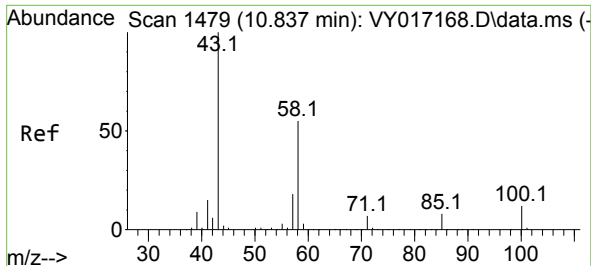
Tgt Ion: 76 Resp: 70700  
Ion Ratio Lower Upper  
76 100  
78 33.1 26.1 39.1



#58  
2-Chloroethyl Vinyl ether  
Concen: 214.383 ug/l  
RT: 9.789 min Scan# 1307  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 63 Resp: 128859  
Ion Ratio Lower Upper  
63 100  
106 27.8 22.4 33.6

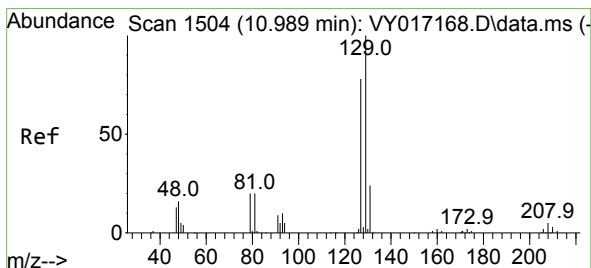
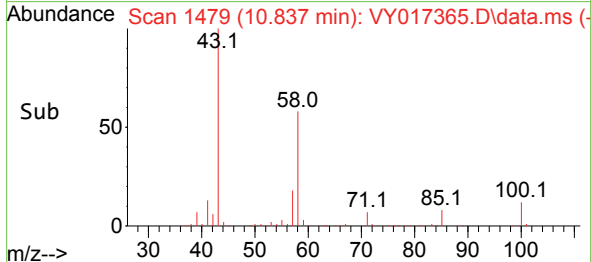
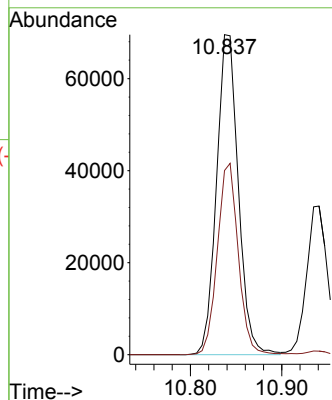
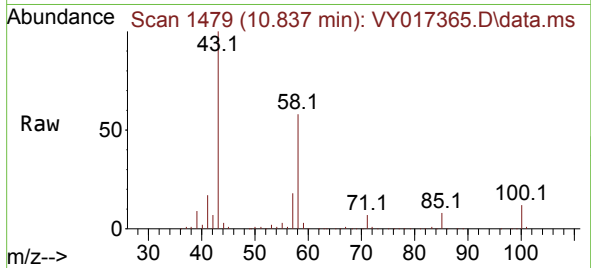




#59  
2-Hexanone  
Concen: 193.449 ug/l  
RT: 10.837 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

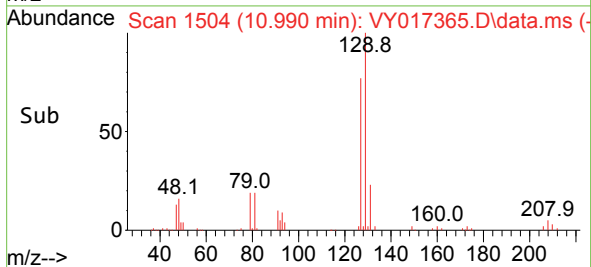
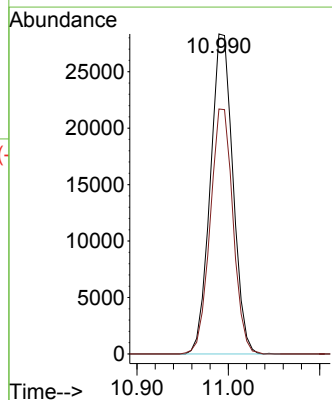
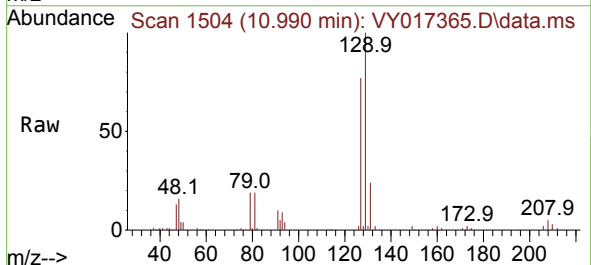
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

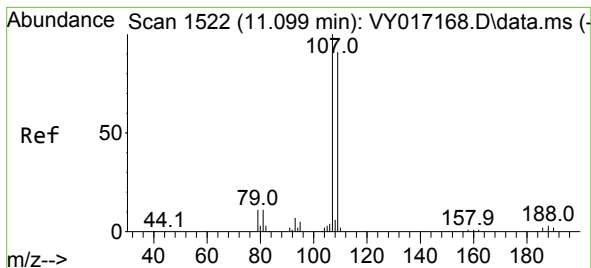
Tgt Ion: 43 Resp: 115223  
Ion Ratio Lower Upper  
43 100  
58 57.6 28.1 84.3



#60  
Dibromochloromethane  
Concen: 43.024 ug/l  
RT: 10.990 min Scan# 1504  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion:129 Resp: 48698  
Ion Ratio Lower Upper  
129 100  
127 77.2 39.2 117.6

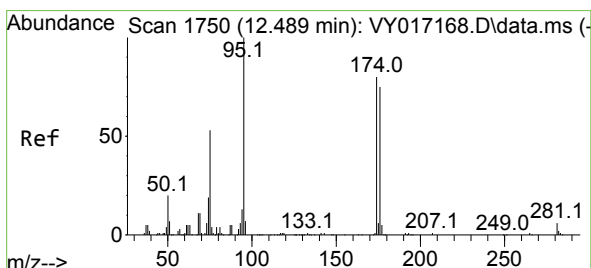
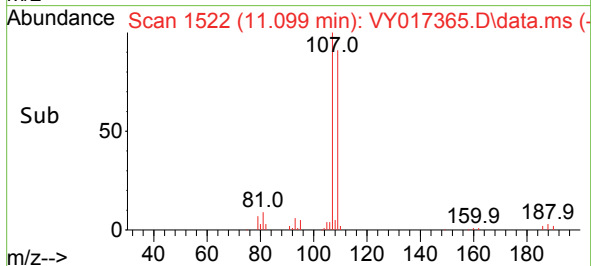
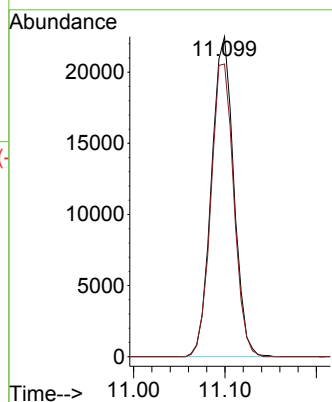
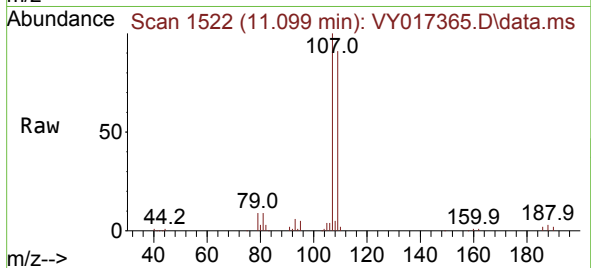




#61  
1,2-Dibromoethane  
Concen: 42.464 ug/l  
RT: 11.099 min Scan# 1522  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

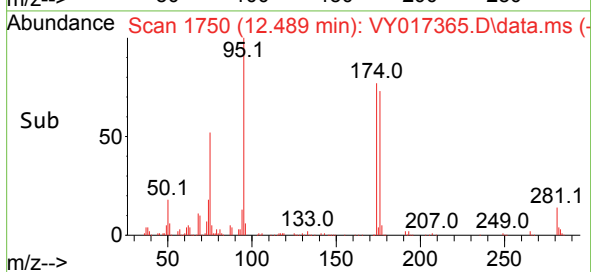
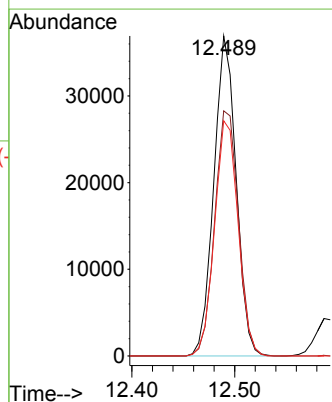
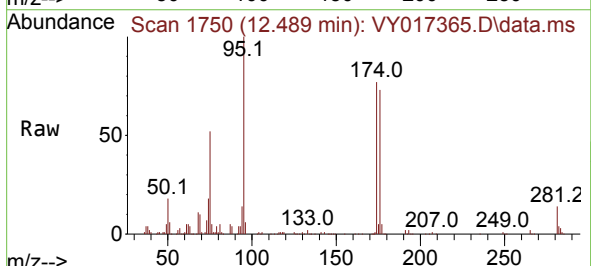
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

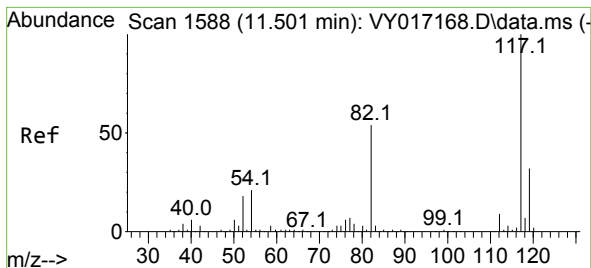
Tgt Ion:107 Resp: 38104  
Ion Ratio Lower Upper  
107 100  
109 93.6 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 42.934 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 95 Resp: 55560  
Ion Ratio Lower Upper  
95 100  
174 81.8 0.0 160.0  
176 77.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

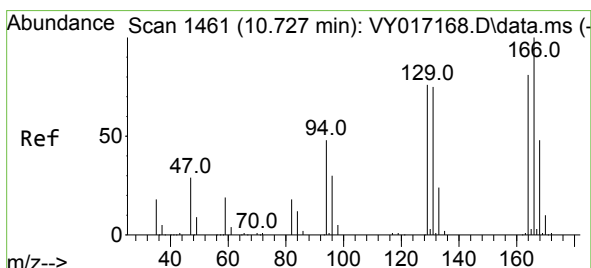
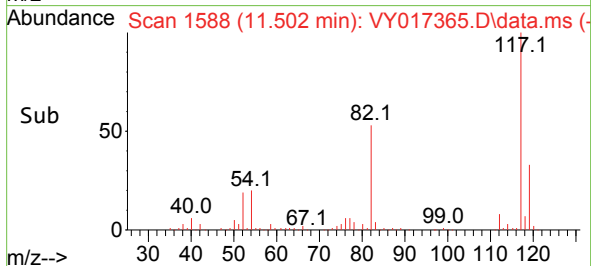
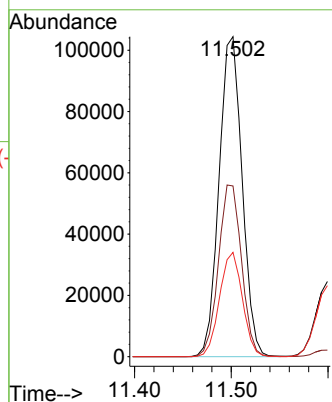
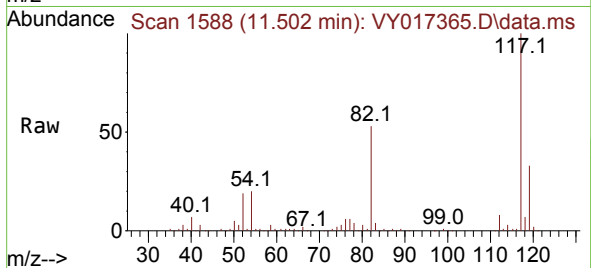
Tgt Ion:117 Resp: 172516

Ion Ratio Lower Upper

117 100

82 53.3 43.8 65.8

119 32.6 26.5 39.7



#64

Tetrachloroethene

Concen: 45.263 ug/l

RT: 10.727 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Tgt Ion:164 Resp: 50713

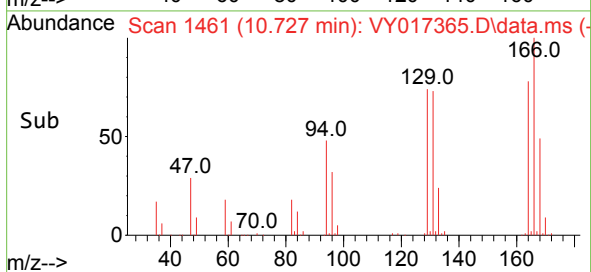
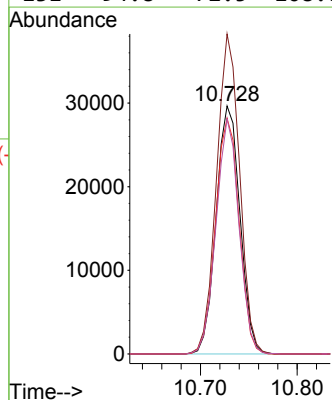
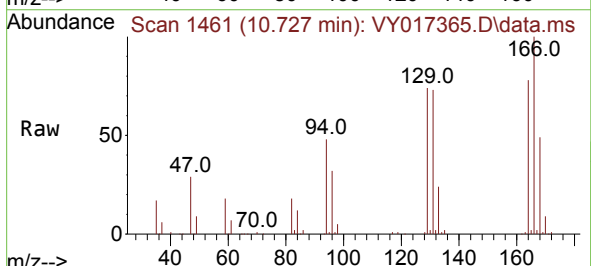
Ion Ratio Lower Upper

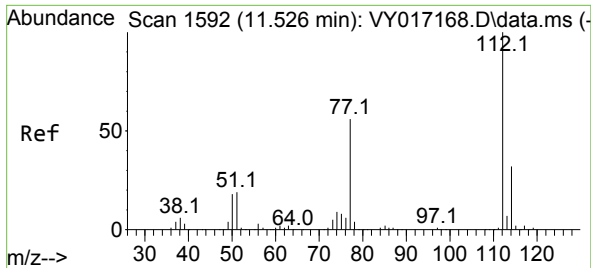
164 100

166 129.0 98.8 148.2

129 95.0 78.9 118.3

131 94.8 72.5 108.7

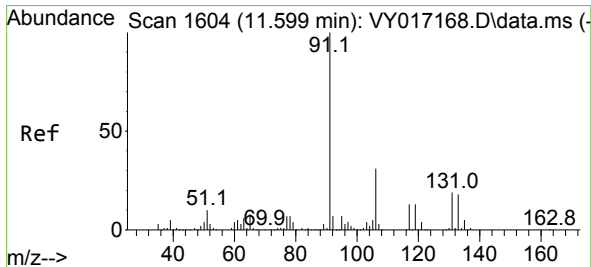
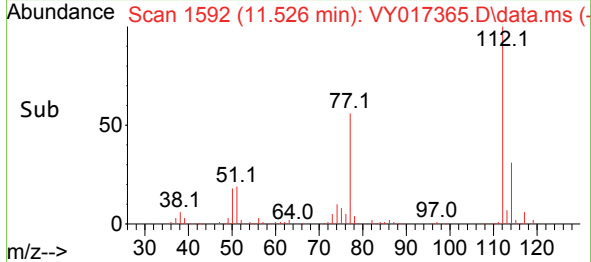
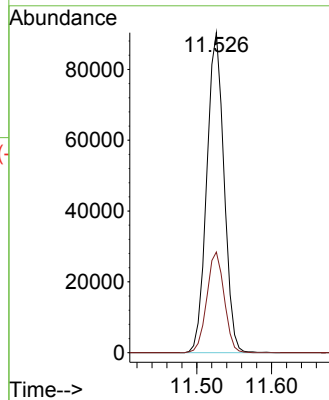
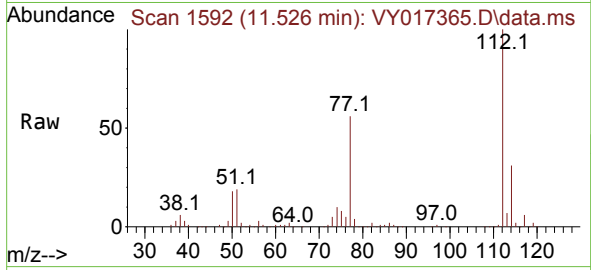




#65  
Chlorobenzene  
Concen: 43.393 ug/l  
RT: 11.526 min Scan# 1112  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

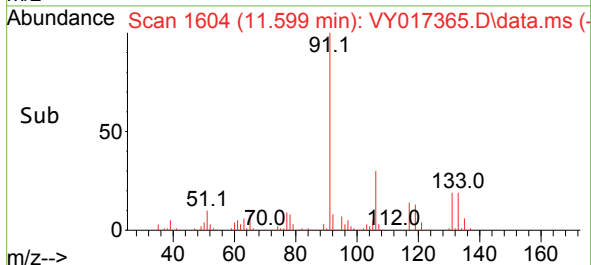
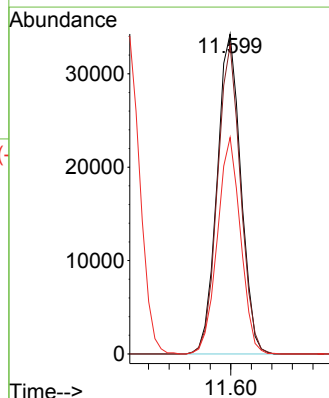
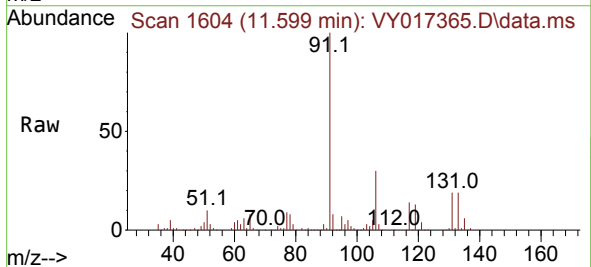
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

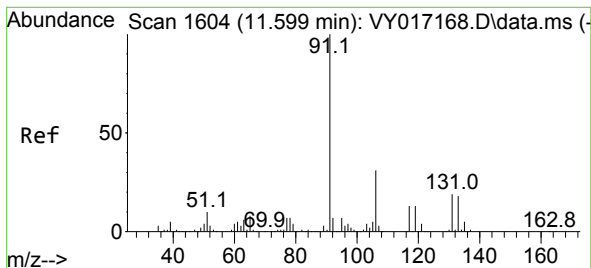
Tgt Ion:112 Resp: 144411  
Ion Ratio Lower Upper  
112 100  
114 31.5 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 45.310 ug/l  
RT: 11.599 min Scan# 1604  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion:131 Resp: 54799  
Ion Ratio Lower Upper  
131 100  
133 94.1 47.0 141.0  
119 66.2 33.3 99.9





#67

Ethyl Benzene

Concen: 44.224 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

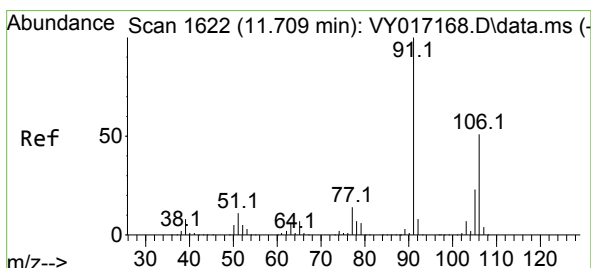
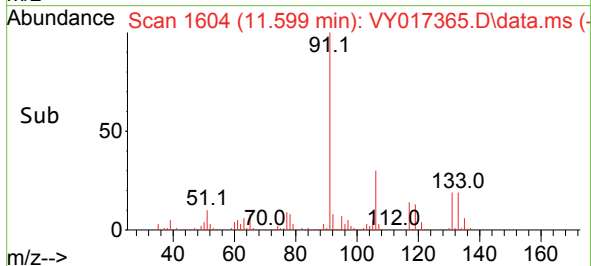
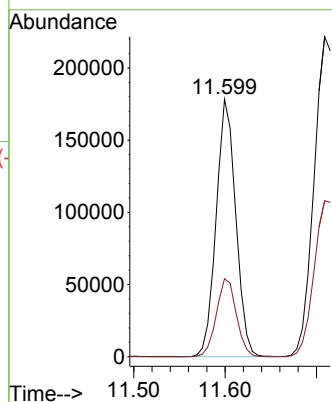
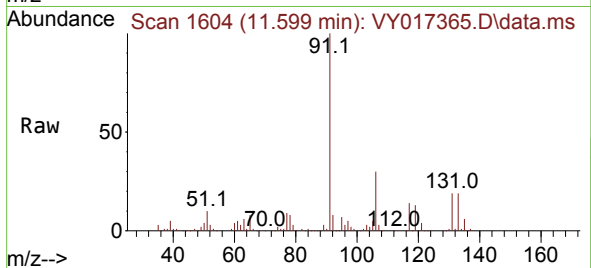
VSTDCCC050EC

Tgt Ion: 91 Resp: 265991

Ion Ratio Lower Upper

91 100

106 30.3 25.0 37.4



#68

m/p-Xylenes

Concen: 87.795 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.000 min

Lab File: VY017365.D

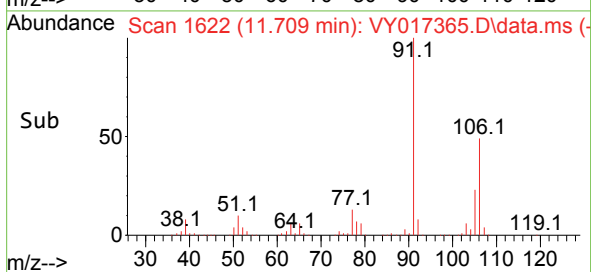
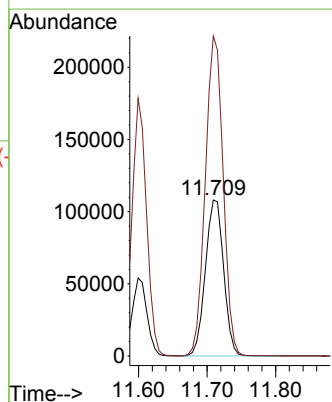
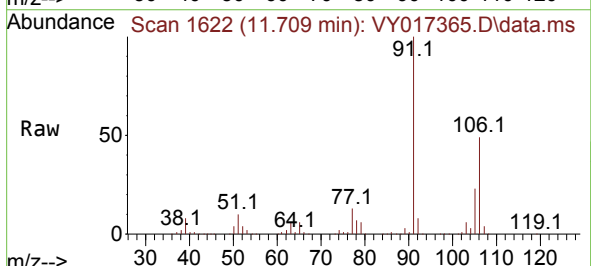
Acq: 12 Feb 2024 19:52

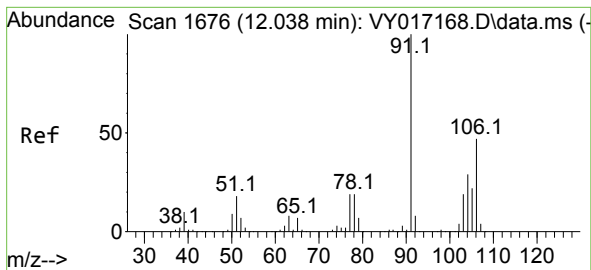
Tgt Ion: 106 Resp: 200393

Ion Ratio Lower Upper

106 100

91 200.7 160.7 241.1





#69

o-Xylene

Concen: 44.765 ug/l

RT: 12.038 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

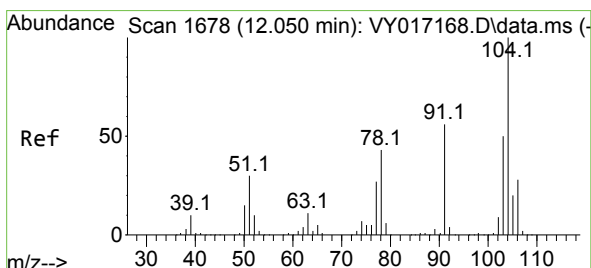
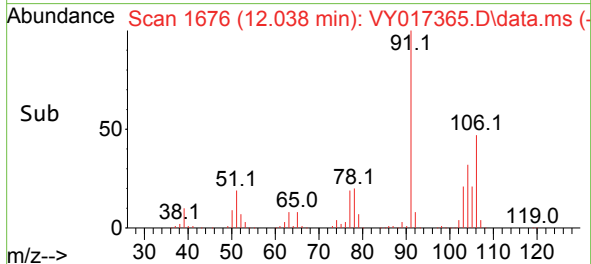
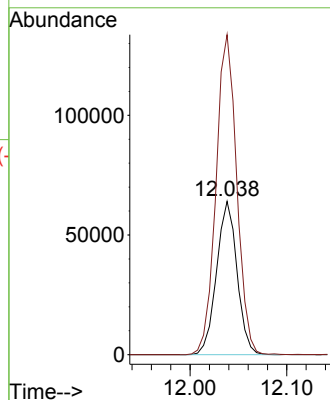
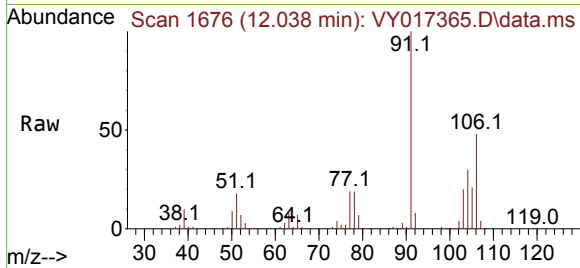
VSTDCCC050EC

Tgt Ion:106 Resp: 94093

Ion Ratio Lower Upper

106 100

91 211.6 106.5 319.5



#70

Styrene

Concen: 45.927 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

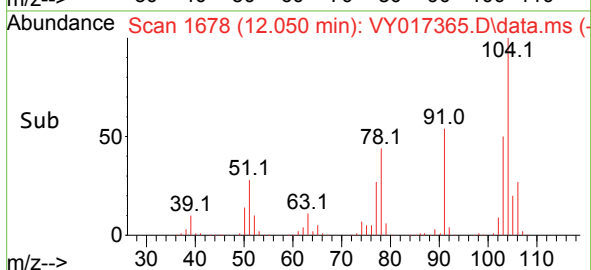
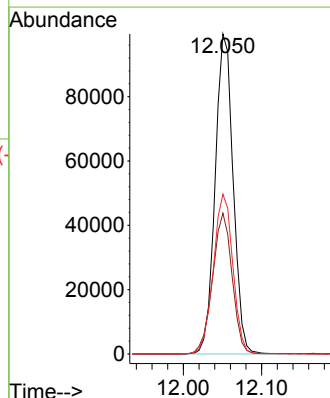
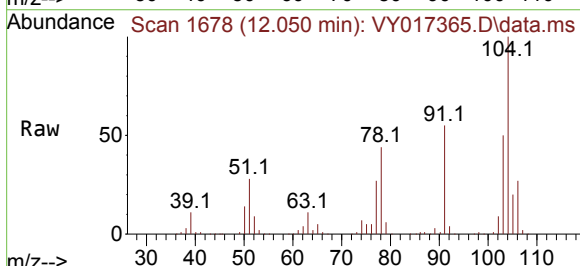
Tgt Ion:104 Resp: 159057

Ion Ratio Lower Upper

104 100

78 47.7 39.2 58.8

103 54.3 43.8 65.6





#71

Bromoform

Concen: 43.786 ug/l

RT: 12.215 min Scan# 1705

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

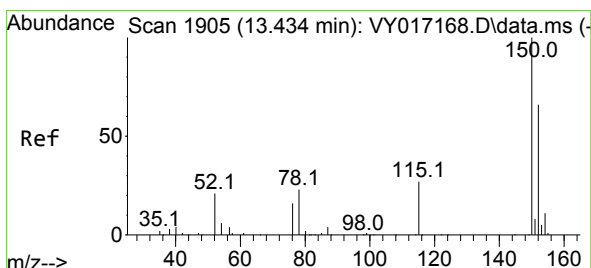
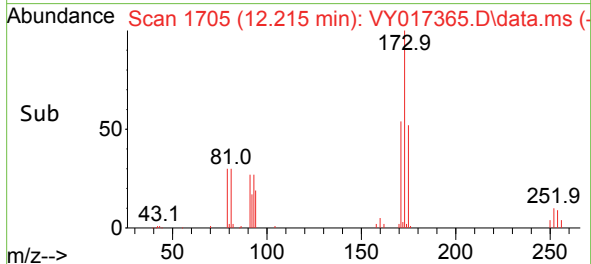
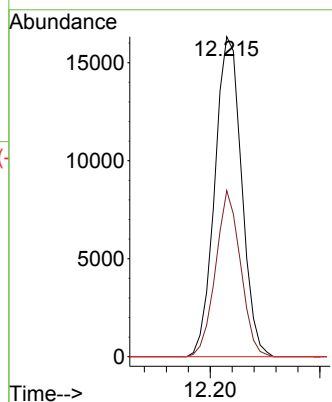
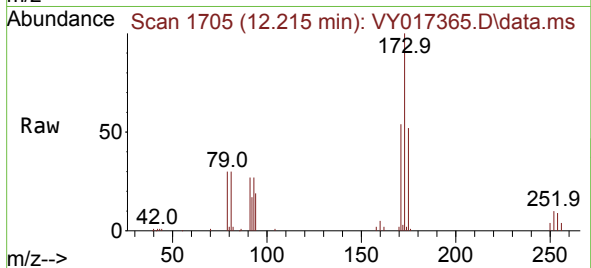
Tgt Ion:173 Resp: 27733

Ion Ratio Lower Upper

173 100

175 48.4 23.5 70.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

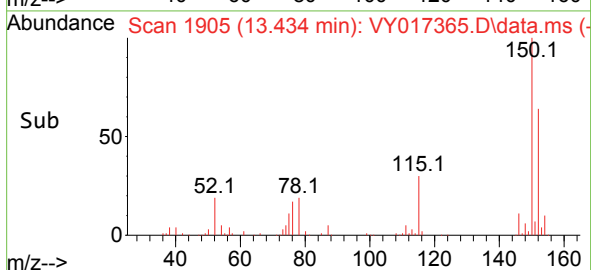
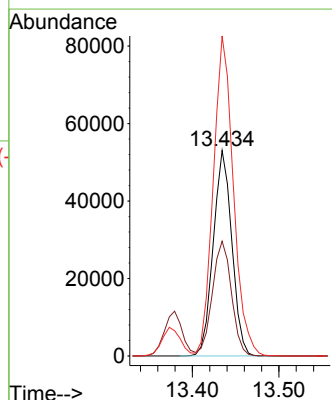
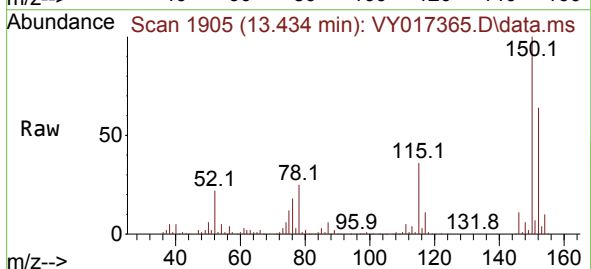
Tgt Ion:152 Resp: 79107

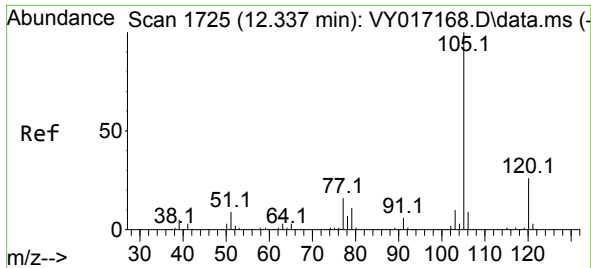
Ion Ratio Lower Upper

152 100

115 57.4 30.0 90.0

150 168.4 0.0 344.6

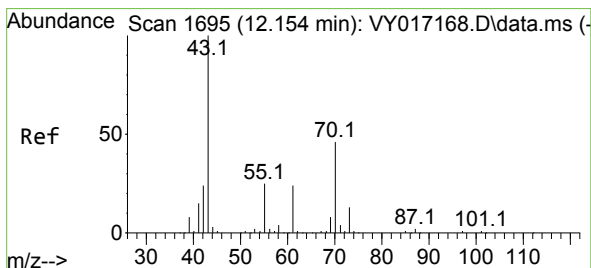
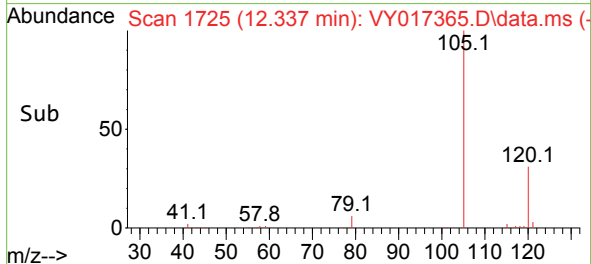
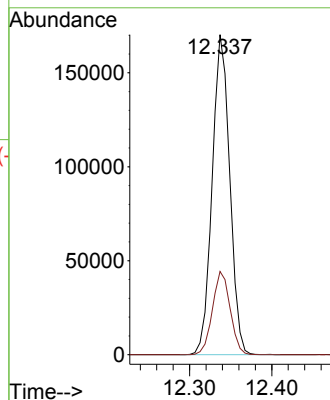
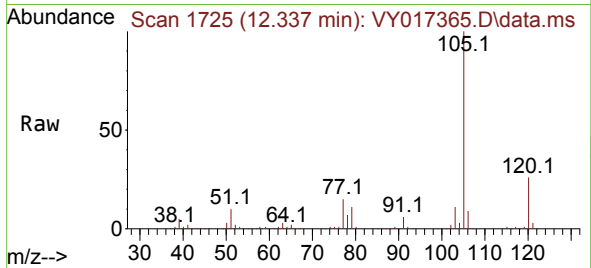




#73  
Isopropylbenzene  
Concen: 43.458 ug/l  
RT: 12.337 min Scan# 1725  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

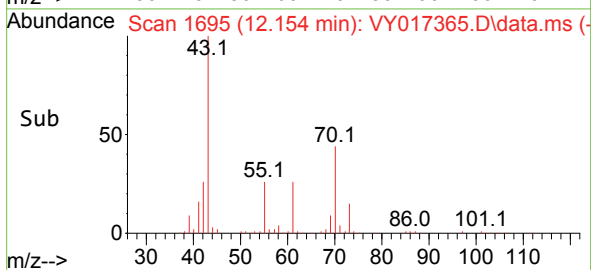
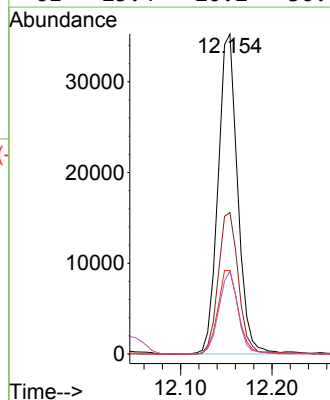
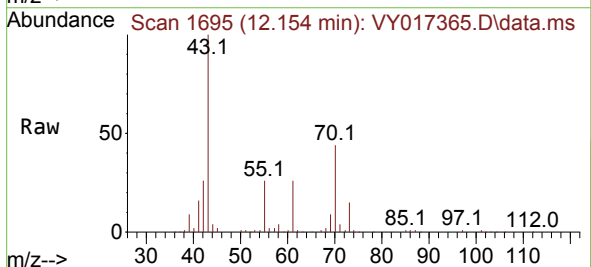
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

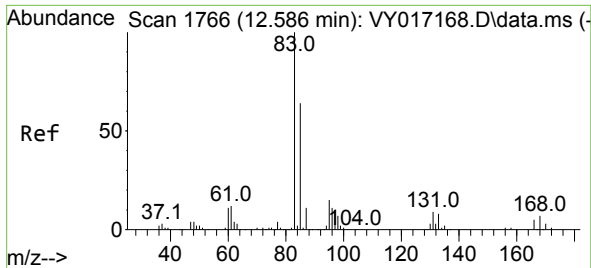
Tgt Ion:105 Resp: 252553  
Ion Ratio Lower Upper  
105 100  
120 26.2 13.0 39.0



#74  
N-ethyl acetate  
Concen: 40.262 ug/l  
RT: 12.154 min Scan# 1695  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 43 Resp: 52574  
Ion Ratio Lower Upper  
43 100  
70 45.5 36.6 55.0  
55 27.7 22.2 33.4  
61 25.4 20.2 30.4

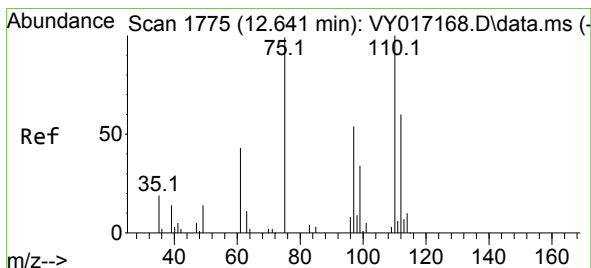
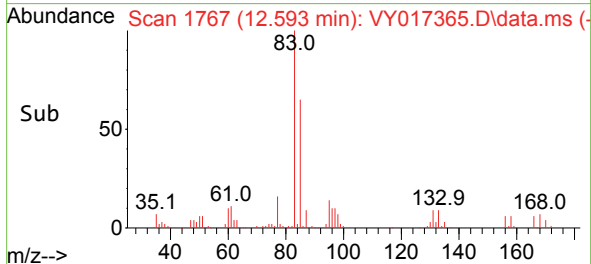
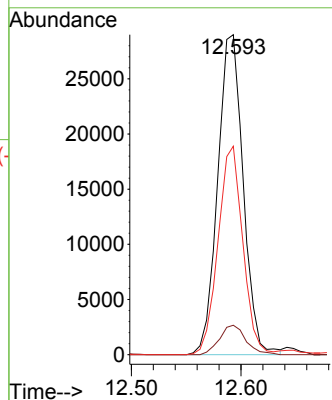
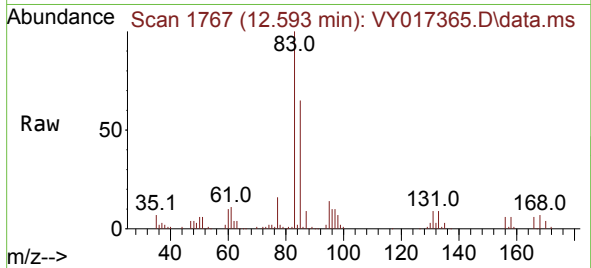




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 41.045 ug/l  
 RT: 12.593 min Scan# 1767  
 Delta R.T. 0.007 min  
 Lab File: VY017365.D  
 Acq: 12 Feb 2024 19:52

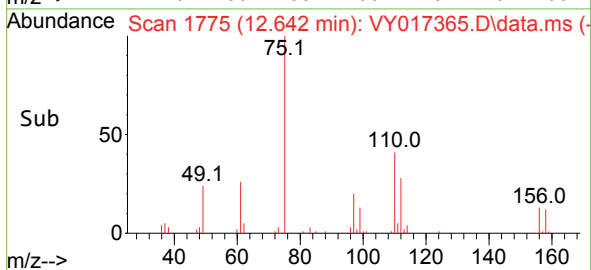
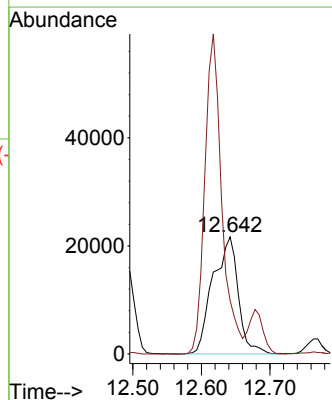
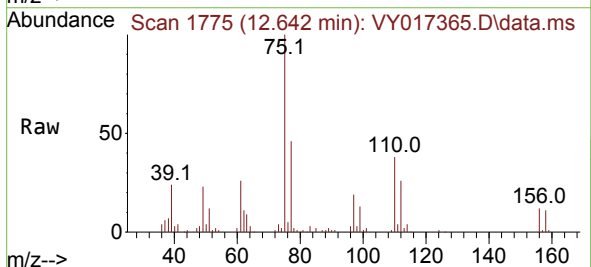
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

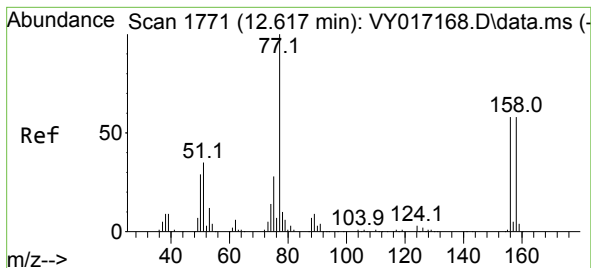
Tgt Ion: 83 Resp: 46916  
 Ion Ratio Lower Upper  
 83 100  
 131 9.5 4.9 14.6  
 85 63.3 32.6 98.0



#76  
 1,2,3-Trichloropropane  
 Concen: 76.131 ug/l  
 RT: 12.642 min Scan# 1775  
 Delta R.T. 0.000 min  
 Lab File: VY017365.D  
 Acq: 12 Feb 2024 19:52

Tgt Ion: 75 Resp: 55587  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 42.786 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

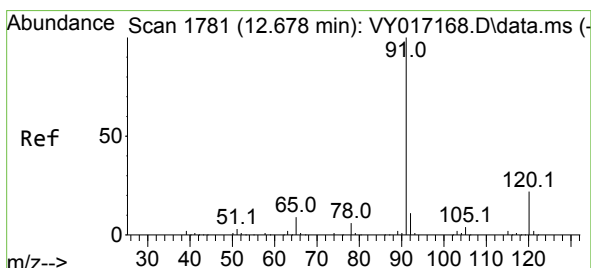
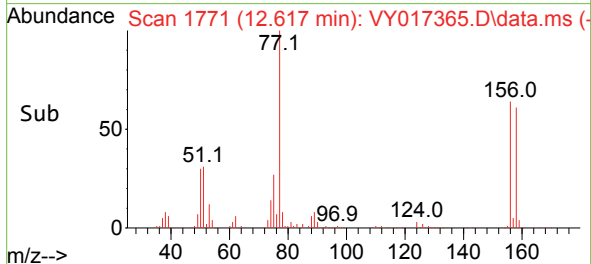
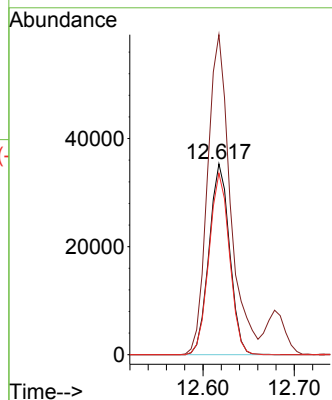
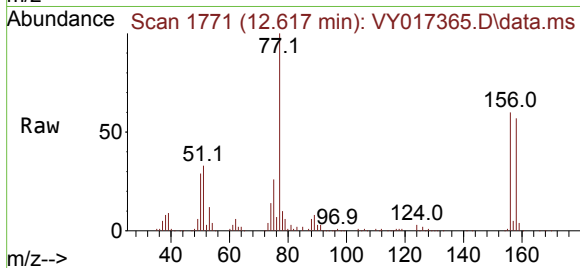
Tgt Ion:156 Resp: 55154

Ion Ratio Lower Upper

156 100

77 186.4 97.3 291.8

158 94.8 48.4 145.0



#78

n-propylbenzene

Concen: 43.084 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.000 min

Lab File: VY017365.D

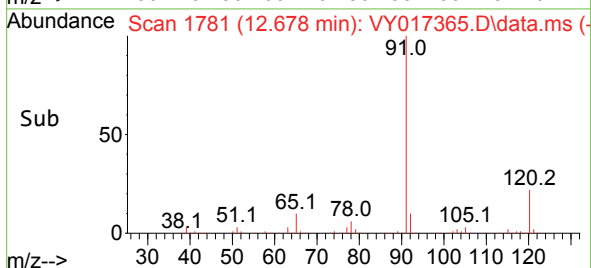
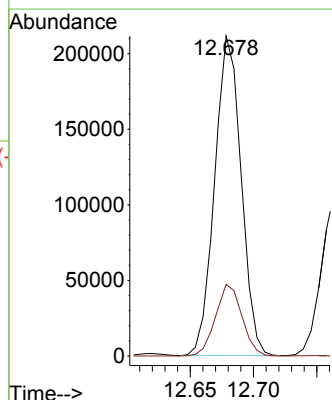
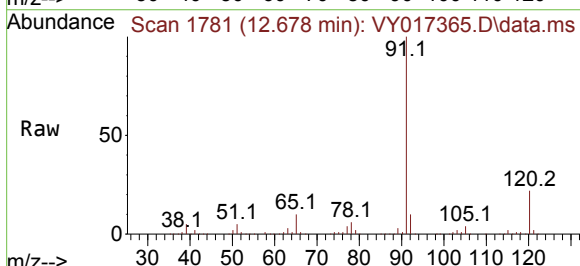
Acq: 12 Feb 2024 19:52

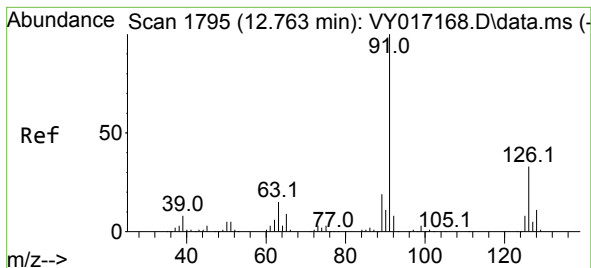
Tgt Ion: 91 Resp: 307515

Ion Ratio Lower Upper

91 100

120 22.3 11.0 33.0





#79

2-Chlorotoluene

Concen: 43.036 ug/l

RT: 12.764 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

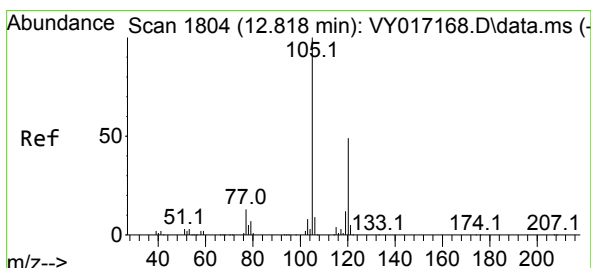
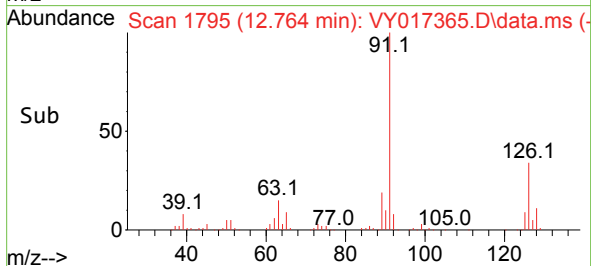
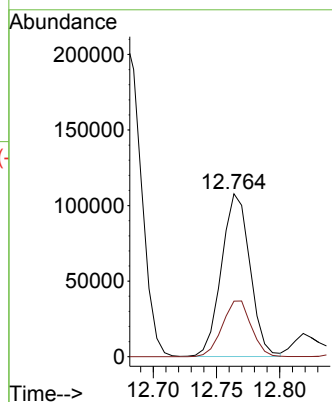
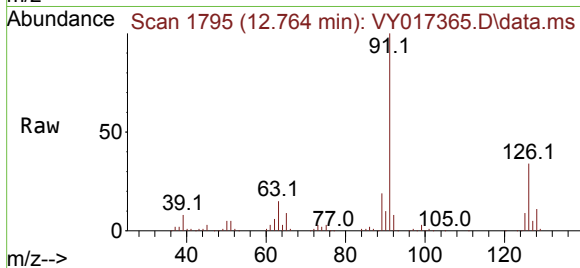
VSTDCCC050EC

Tgt Ion: 91 Resp: 168875

Ion Ratio Lower Upper

91 100

126 34.8 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 43.402 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. 0.000 min

Lab File: VY017365.D

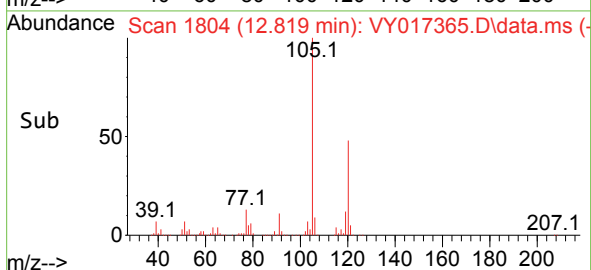
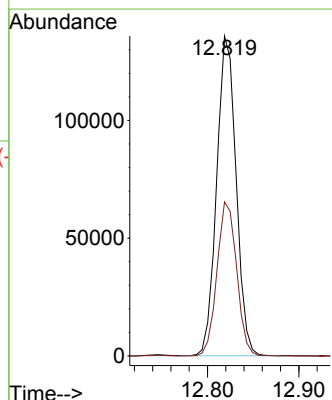
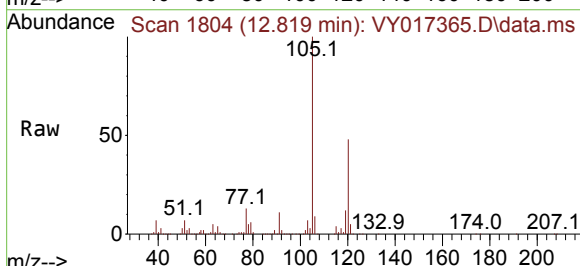
Acq: 12 Feb 2024 19:52

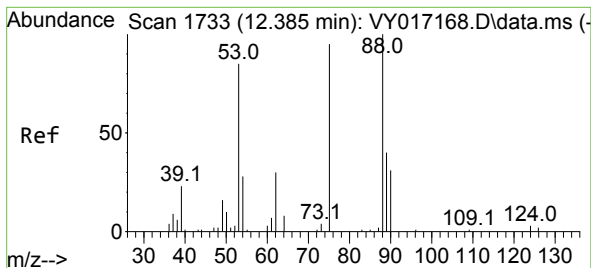
Tgt Ion:105 Resp: 200600

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8

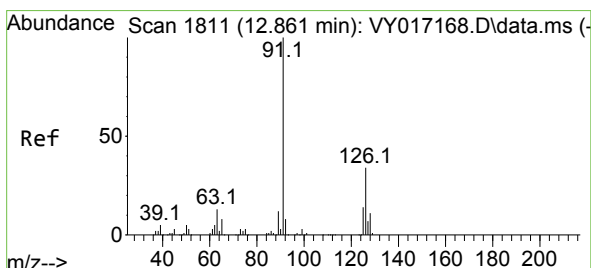
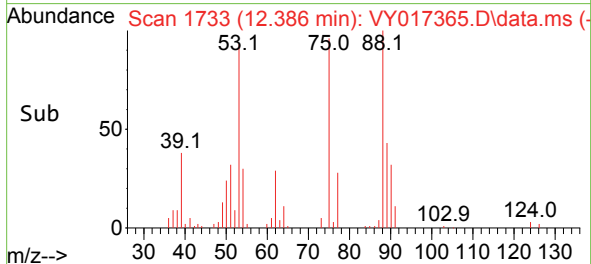
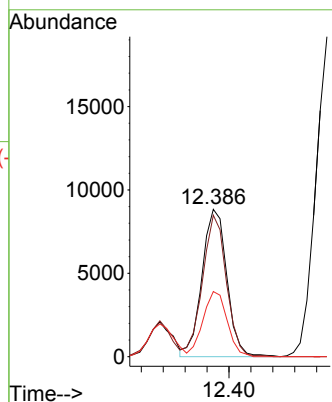
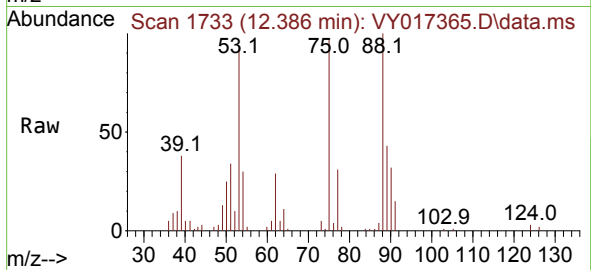




#81  
trans-1,4-Dichloro-2-butene  
Concen: 39.591 ug/l  
RT: 12.386 min Scan# 1733  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

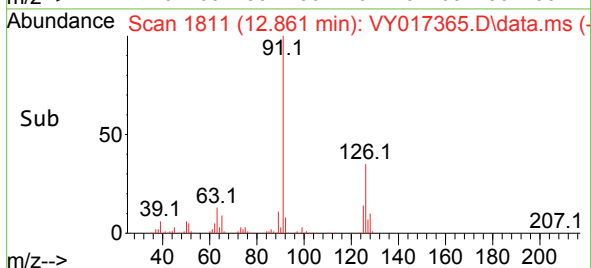
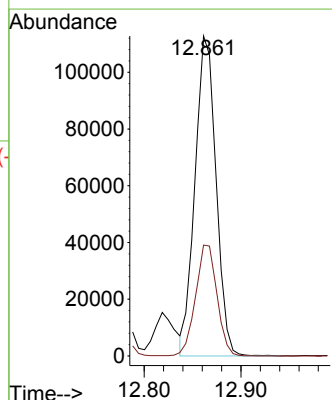
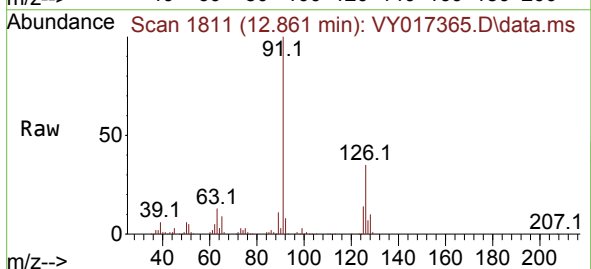
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

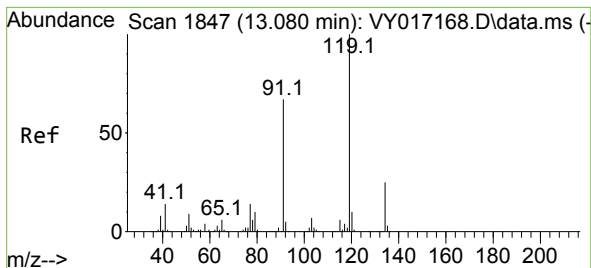
Tgt Ion: 75 Resp: 13912  
Ion Ratio Lower Upper  
75 100  
53 92.7 74.0 111.0  
89 43.0 36.5 54.7



#82  
4-Chlorotoluene  
Concen: 42.269 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 91 Resp: 170709  
Ion Ratio Lower Upper  
91 100  
126 35.4 17.1 51.2





#83

tert-Butylbenzene

Concen: 45.140 ug/l

RT: 13.087 min Scan# 1848

Delta R.T. 0.007 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

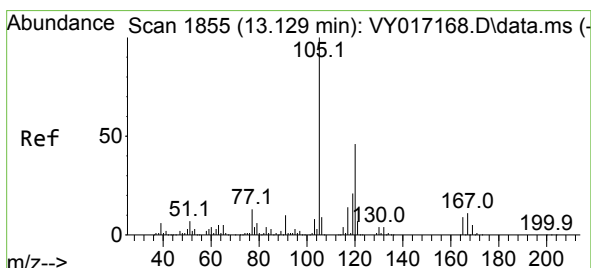
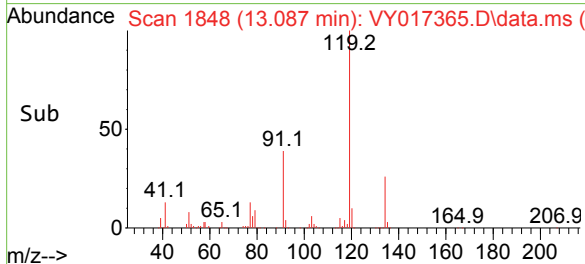
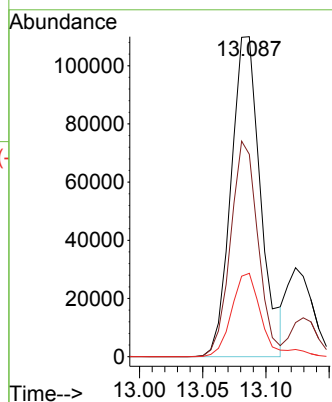
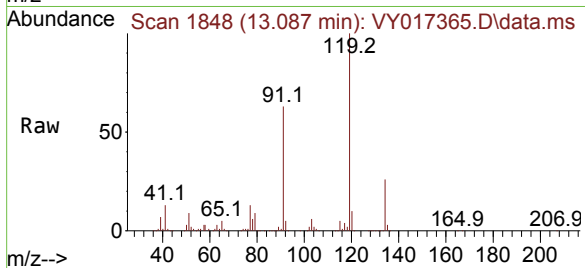
Tgt Ion:119 Resp: 178837

Ion Ratio Lower Upper

119 100

91 62.7 31.5 94.5

134 26.7 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 43.267 ug/l

RT: 13.130 min Scan# 1855

Delta R.T. 0.000 min

Lab File: VY017365.D

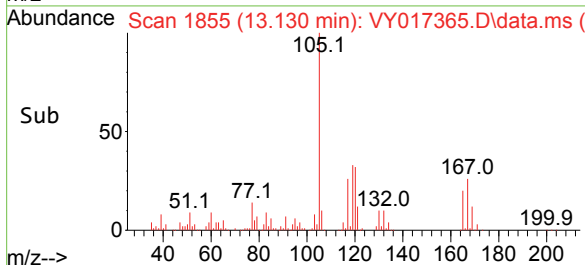
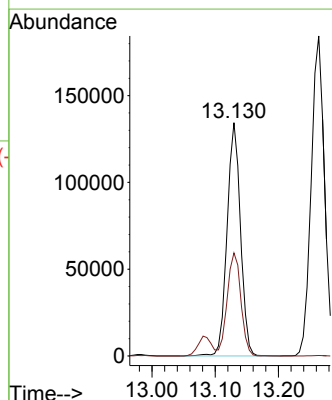
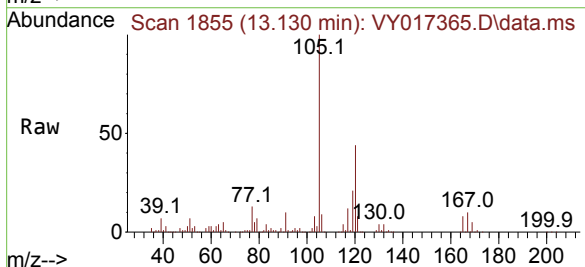
Acq: 12 Feb 2024 19:52

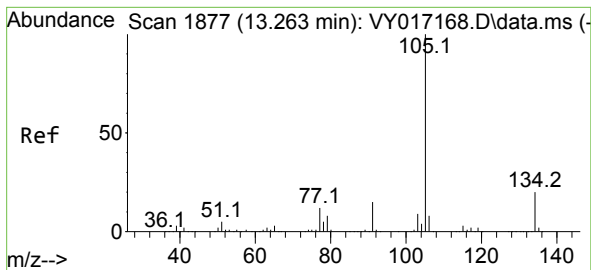
Tgt Ion:105 Resp: 197389

Ion Ratio Lower Upper

105 100

120 44.7 22.1 66.3





#85

sec-Butylbenzene

Concen: 43.308 ug/l

RT: 13.264 min Scan# 1877

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

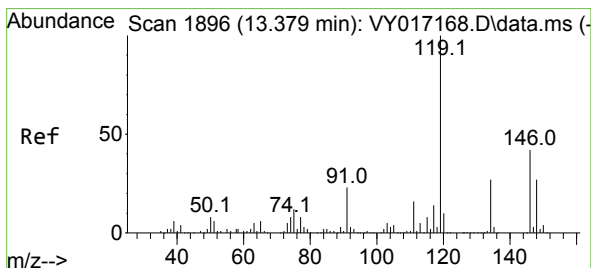
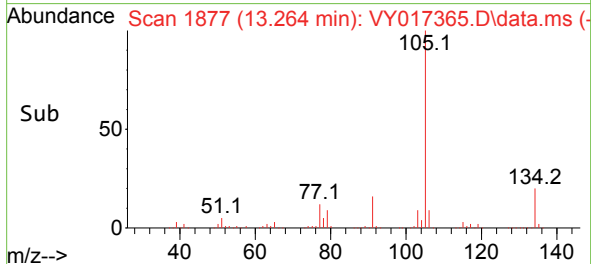
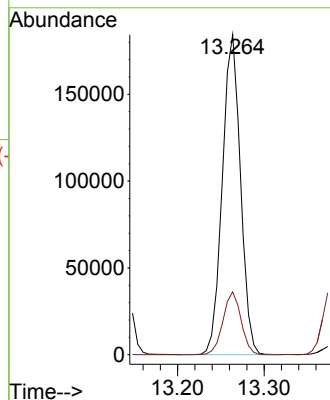
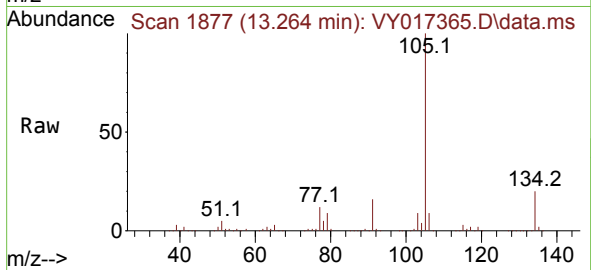
VSTDCCC050EC

Tgt Ion:105 Resp: 268170

Ion Ratio Lower Upper

105 100

134 19.6 9.7 28.9



#86

p-Isopropyltoluene

Concen: 43.566 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

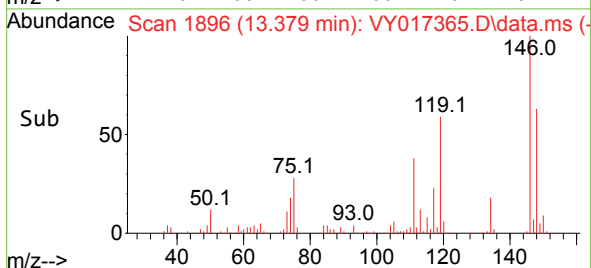
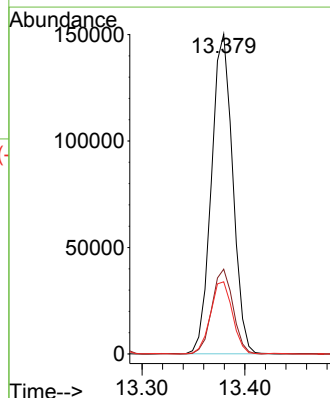
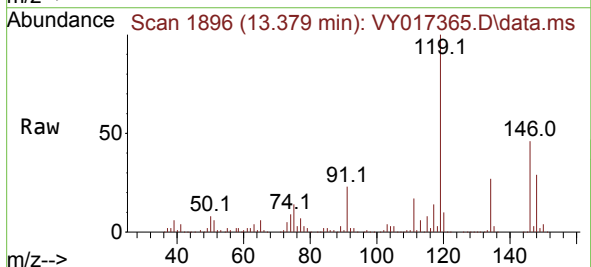
Tgt Ion:119 Resp: 215574

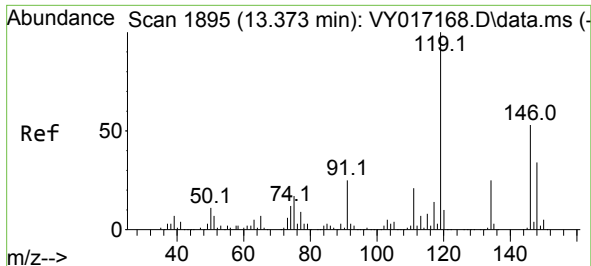
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 23.4 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 41.838 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

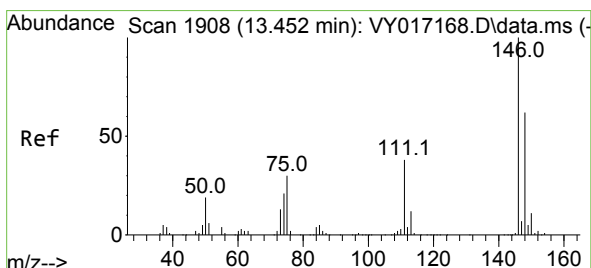
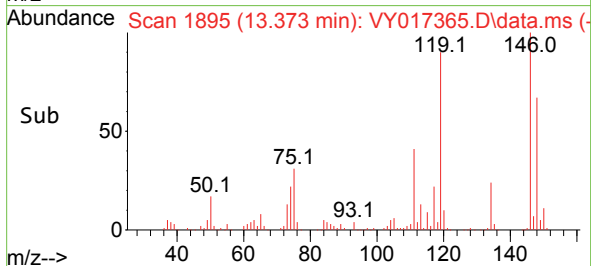
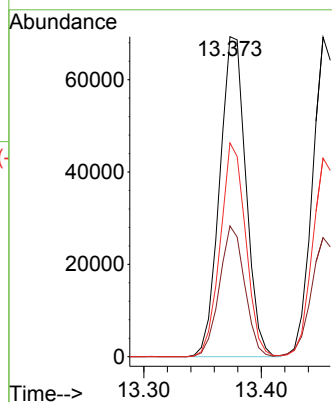
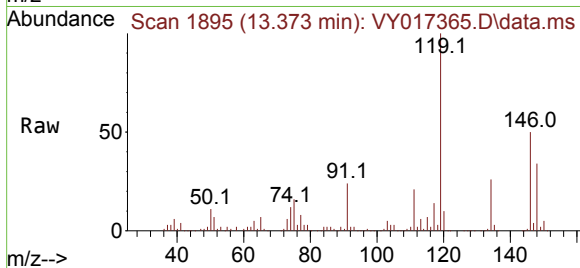
Tgt Ion:146 Resp: 107590

Ion Ratio Lower Upper

146 100

111 39.3 20.2 60.5

148 64.6 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 42.843 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

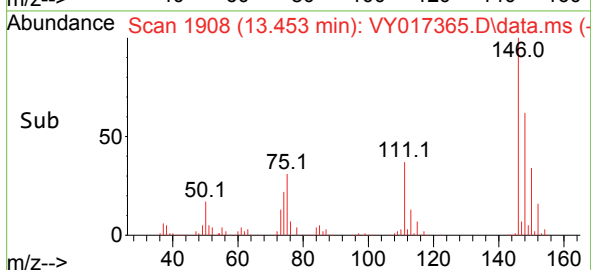
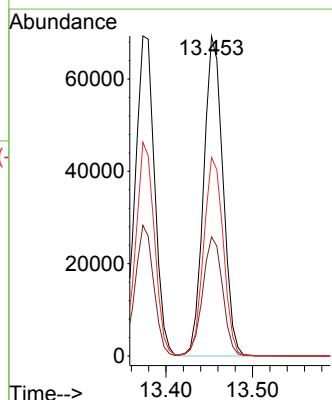
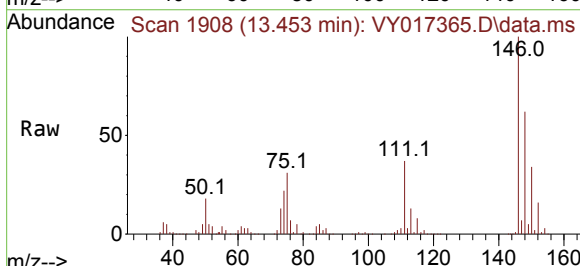
Tgt Ion:146 Resp: 107036

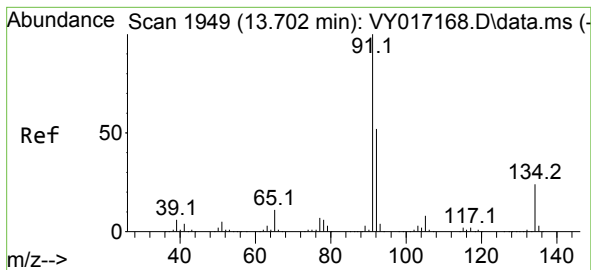
Ion Ratio Lower Upper

146 100

111 38.6 19.3 57.9

148 63.2 31.6 94.7

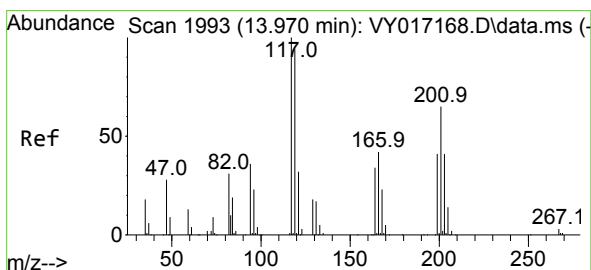
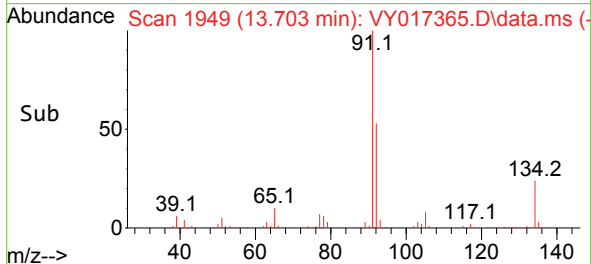
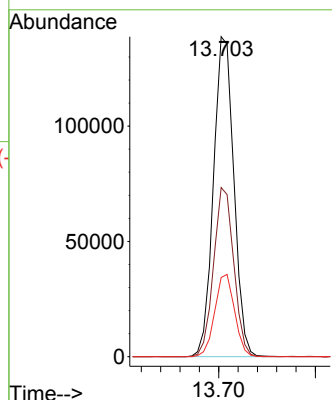
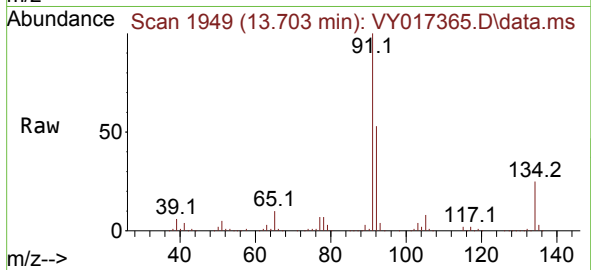




#89  
n-Butylbenzene  
Concen: 43.121 ug/l  
RT: 13.703 min Scan# 1949  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

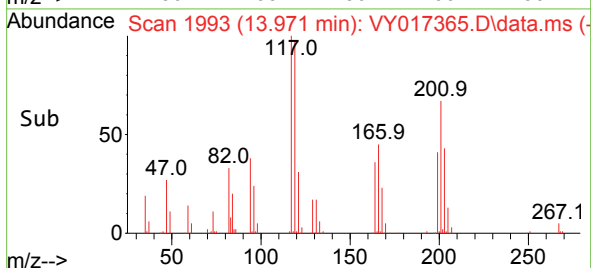
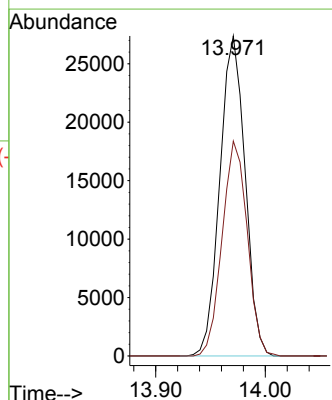
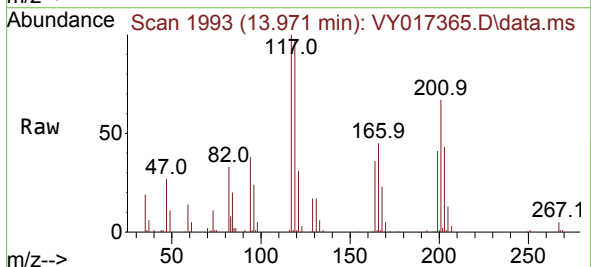
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

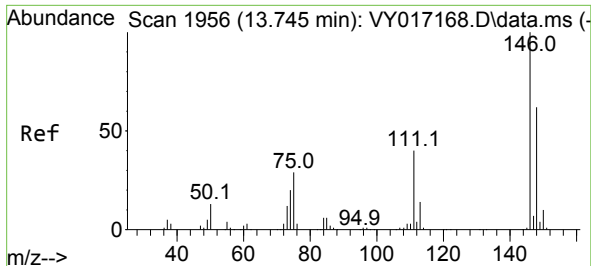
Tgt Ion: 91 Resp: 202871  
Ion Ratio Lower Upper  
91 100  
92 52.3 26.4 79.2  
134 25.1 12.3 36.8



#90  
Hexachloroethane  
Concen: 43.135 ug/l  
RT: 13.971 min Scan# 1993  
Delta R.T. 0.000 min  
Lab File: VY017365.D  
Acq: 12 Feb 2024 19:52

Tgt Ion: 117 Resp: 43818  
Ion Ratio Lower Upper  
117 100  
201 66.9 33.4 100.1





#91

1,2-Dichlorobenzene

Concen: 43.143 ug/l

RT: 13.745 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

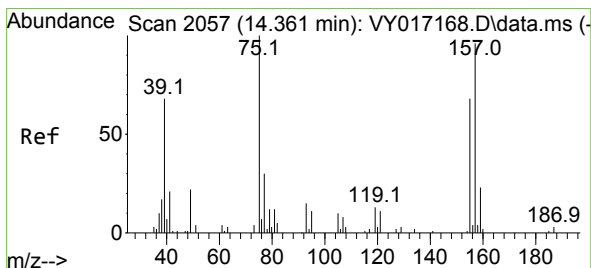
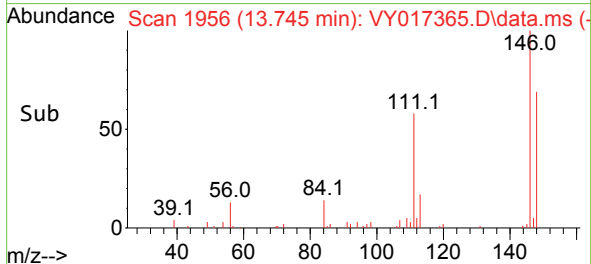
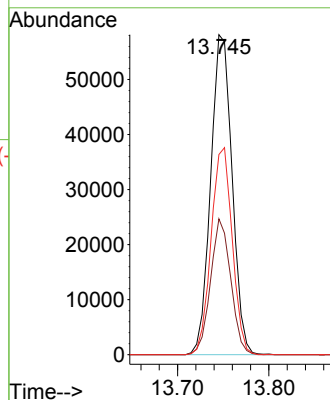
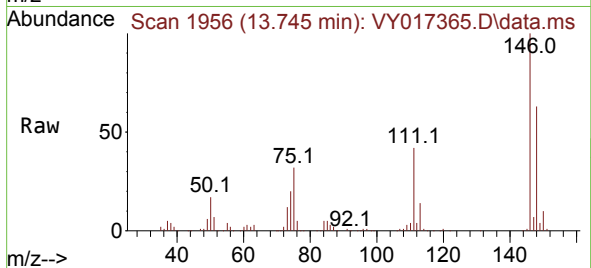
Tgt Ion:146 Resp: 94448

Ion Ratio Lower Upper

146 100

111 40.1 20.5 61.6

148 63.9 31.4 94.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 39.493 ug/l

RT: 14.367 min Scan# 2058

Delta R.T. 0.007 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

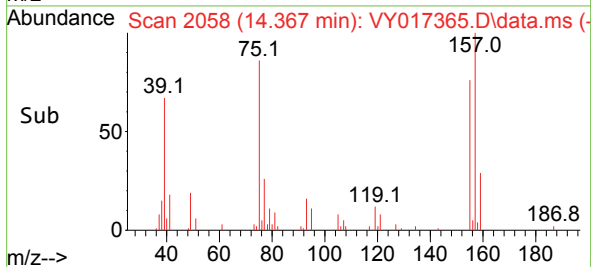
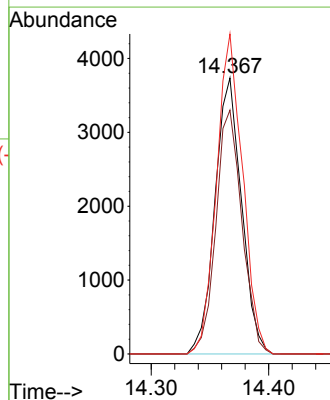
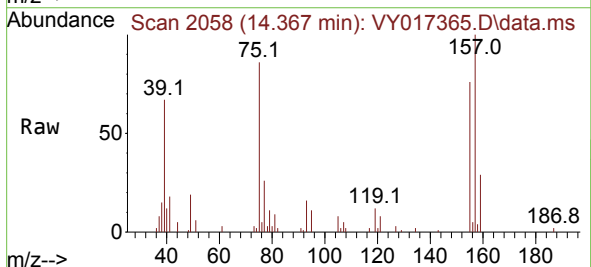
Tgt Ion: 75 Resp: 5880

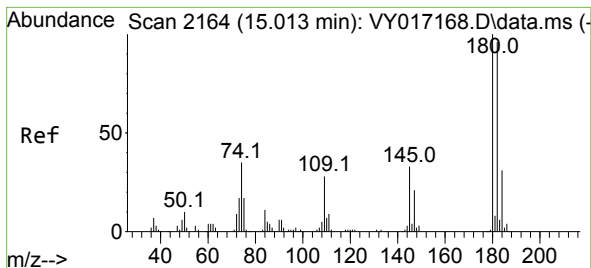
Ion Ratio Lower Upper

75 100

155 86.8 42.1 126.3

157 113.8 55.8 167.4





#93

1,2,4-Trichlorobenzene

Concen: 43.807 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

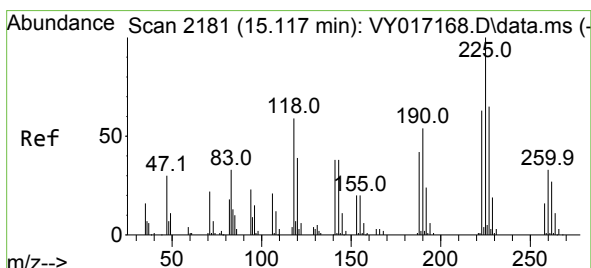
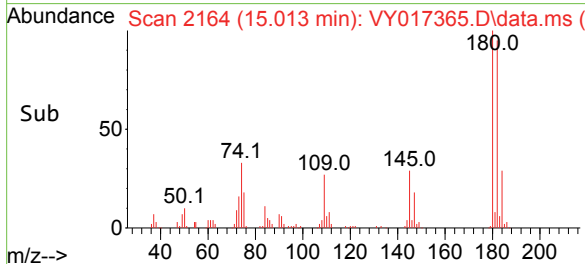
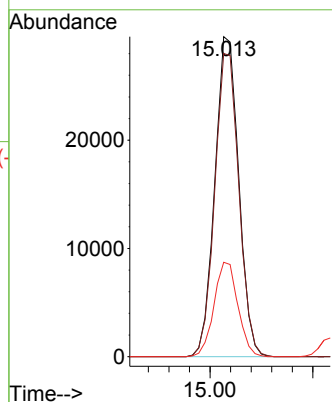
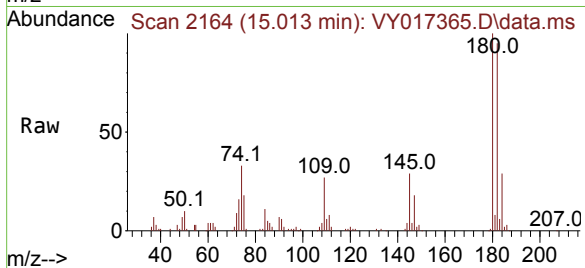
Tgt Ion:180 Resp: 47636

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 29.5 15.9 47.7



#94

Hexachlorobutadiene

Concen: 44.515 ug/l

RT: 15.123 min Scan# 2182

Delta R.T. 0.007 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

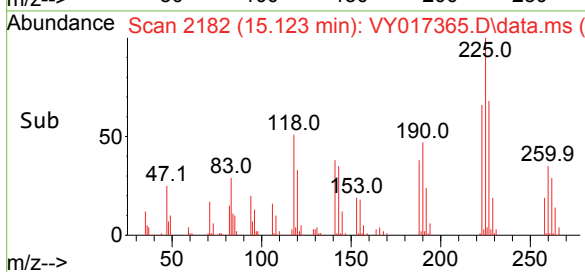
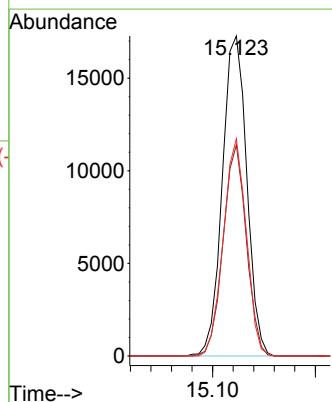
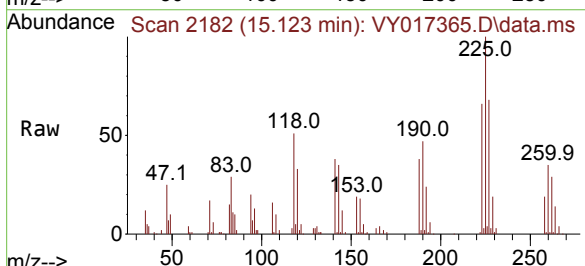
Tgt Ion:225 Resp: 28509

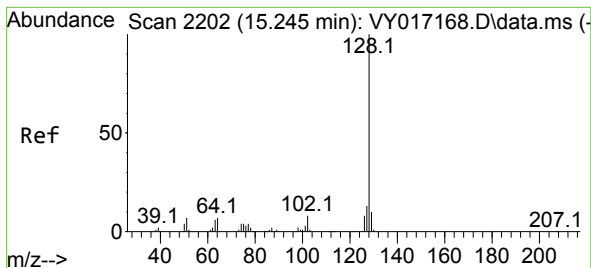
Ion Ratio Lower Upper

225 100

223 62.4 31.4 94.3

227 63.7 32.3 96.8





#95

Naphthalene

Concen: 40.692 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

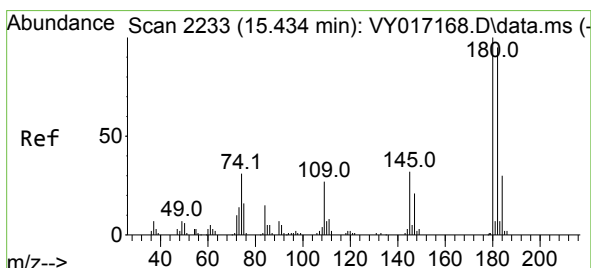
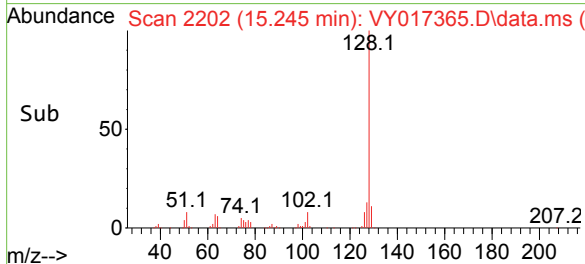
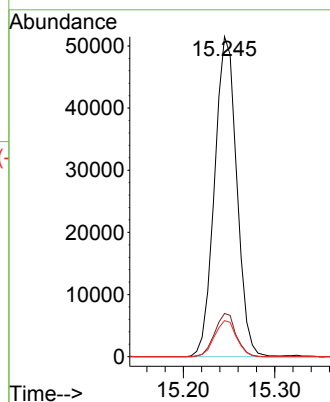
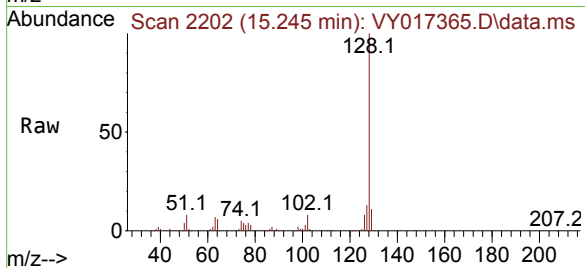
Tgt Ion:128 Resp: 86957

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.2 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 43.709 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.000 min

Lab File: VY017365.D

Acq: 12 Feb 2024 19:52

Tgt Ion:180 Resp: 40423

Ion Ratio Lower Upper

180 100

182 93.1 46.3 138.8

145 31.3 16.1 48.2

