

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051523\  
 Data File : VY013748.D  
 Acq On : 15 May 2023 19:55  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 16 01:36:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.789  | 168   | 196053   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 306704   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.489 | 117   | 276518   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 140669   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.142  | 65    | 112060   | 52.141   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 104.280% |          |
| 35) Dibromofluoromethane     | 7.716  | 113   | 107073   | 55.506   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 111.020% |          |
| 50) Toluene-d8               | 10.179 | 98    | 344795   | 50.244   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | = 100.480% |          |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 132012   | 57.062   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | = 114.120% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 91772    | 49.238   | ug/l       | 97       |
| 3) Chloromethane             | 2.113  | 50    | 130072   | 52.063   | ug/l       | 99       |
| 4) Vinyl Chloride            | 2.253  | 62    | 131981   | 53.056   | ug/l       | 96       |
| 5) Bromomethane              | 2.650  | 94    | 101083   | 50.992   | ug/l       | 100      |
| 6) Chloroethane              | 2.796  | 64    | 86389    | 50.270   | ug/l       | 95       |
| 7) Trichlorofluoromethane    | 3.125  | 101   | 201346   | 53.429   | ug/l       | 98       |
| 8) Diethyl Ether             | 3.527  | 74    | 66878    | 52.115   | ug/l       | 85       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899  | 101   | 116714   | 55.216   | ug/l       | 95       |
| 10) Methyl Iodide            | 4.094  | 142   | 132325   | 49.842   | ug/l       | 99       |
| 11) Tert butyl alcohol       | 4.966  | 59    | 56896    | 235.079  | ug/l #     | 81       |
| 12) 1,1-Dichloroethene       | 3.869  | 96    | 105493   | 51.774   | ug/l       | 94       |
| 13) Acrolein                 | 3.735  | 56    | 29261    | 152.366  | ug/l       | 92       |
| 14) Allyl chloride           | 4.479  | 41    | 207419   | 54.863   | ug/l       | 96       |
| 15) Acrylonitrile            | 5.167  | 53    | 193085   | 268.664  | ug/l       | 99       |
| 16) Acetone                  | 3.954  | 43    | 180373   | 213.115  | ug/l       | 95       |
| 17) Carbon Disulfide         | 4.198  | 76    | 297591   | 44.963   | ug/l       | 99       |
| 18) Methyl Acetate           | 4.479  | 43    | 151306   | 54.127   | ug/l       | 92       |
| 19) Methyl tert-butyl Ether  | 5.216  | 73    | 331893   | 56.422   | ug/l       | 99       |
| 20) Methylene Chloride       | 4.716  | 84    | 147562   | 56.745   | ug/l #     | 85       |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 121524   | 54.549   | ug/l       | 94       |
| 22) Diisopropyl ether        | 6.118  | 45    | 452662   | 61.257   | ug/l #     | 95       |
| 23) Vinyl Acetate            | 6.064  | 43    | 1332919  | 318.578  | ug/l       | 95       |
| 24) 1,1-Dichloroethane       | 6.021  | 63    | 241453   | 58.627   | ug/l       | 97       |
| 25) 2-Butanone               | 6.990  | 43    | 263886   | 245.846  | ug/l       | 92       |
| 26) 2,2-Dichloropropane      | 6.984  | 77    | 198468   | 55.924   | ug/l       | 97       |
| 27) cis-1,2-Dichloroethene   | 6.990  | 96    | 139873   | 56.826   | ug/l       | 95       |
| 28) Bromochloromethane       | 7.338  | 49    | 81498    | 55.764   | ug/l #     | 80       |
| 29) Tetrahydrofuran          | 7.350  | 42    | 171350   | 256.453  | ug/l       | 91       |
| 30) Chloroform               | 7.508  | 83    | 239509   | 58.491   | ug/l       | 98       |
| 31) Cyclohexane              | 7.783  | 56    | 192849   | 50.118   | ug/l       | 89       |
| 32) 1,1,1-Trichloroethane    | 7.704  | 97    | 209024   | 57.204   | ug/l       | 97       |
| 36) 1,1-Dichloropropene      | 7.923  | 75    | 174103   | 54.382   | ug/l       | 97       |
| 37) Ethyl Acetate            | 7.076  | 43    | 118842   | 49.328   | ug/l       | 98       |
| 38) Carbon Tetrachloride     | 7.905  | 117   | 187035   | 55.739   | ug/l       | 95       |
| 39) Methylcyclohexane        | 9.185  | 83    | 199827   | 52.945   | ug/l       | 95       |
| 40) Benzene                  | 8.161  | 78    | 505451   | 56.048   | ug/l       | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 16 01:36:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.350  | 41   | 162521   | 144.761 | ug/l # | 21       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 164181   | 55.686  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 217327   | 53.443  | ug/l   | 96       |
| 44) Trichloroethene           | 8.941  | 130  | 129406   | 53.945  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 139340   | 59.094  | ug/l   | 98       |
| 46) Dibromomethane            | 9.307  | 93   | 77061    | 54.620  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.496  | 83   | 186957   | 59.221  | ug/l # | 98       |
| 48) Methyl methacrylate       | 9.295  | 41   | 99060    | 53.041  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 19443    | 964.920 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 607349   | 268.021 | ug/l   | 96       |
| 52) Toluene                   | 10.246 | 92   | 311583   | 57.415  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 191406   | 57.288  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 214188   | 56.972  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 105341   | 56.381  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 147177   | 56.779  | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 181580   | 57.384  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 243429   | 250.443 | ug/l   | 92       |
| 59) 2-Hexanone                | 10.831 | 43   | 419662   | 254.767 | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.983 | 129  | 131747   | 58.073  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 101709   | 55.369  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 112595   | 53.549  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 331107   | 54.968  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 129974   | 57.694  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.593 | 91   | 604534   | 57.153  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 454664   | 113.070 | ug/l   | 96       |
| 69) o-Xylene                  | 12.026 | 106  | 216955   | 57.050  | ug/l   | 96       |
| 70) Styrene                   | 12.044 | 104  | 371832   | 58.477  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 87989    | 55.761  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 586234   | 55.099  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.142 | 43   | 196804   | 51.979  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 132644   | 51.005  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 170005   | 89.614  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 140258   | 54.405  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.672 | 91   | 726179   | 55.411  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 405241   | 55.373  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 483071   | 55.627  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 45653    | 49.226  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 424517   | 55.654  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 426332   | 56.666  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 485642   | 57.520  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 633851   | 56.135  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 518202   | 57.069  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 274829   | 55.955  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 271863   | 54.795  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.696 | 91   | 503347   | 56.795  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 104716   | 54.794  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 247982   | 55.911  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 21879    | 47.635  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 151526   | 57.301  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 91027    | 59.148  | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 312732   | 54.507  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 138176   | 58.626  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Quant Time: May 16 01:36:19 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration

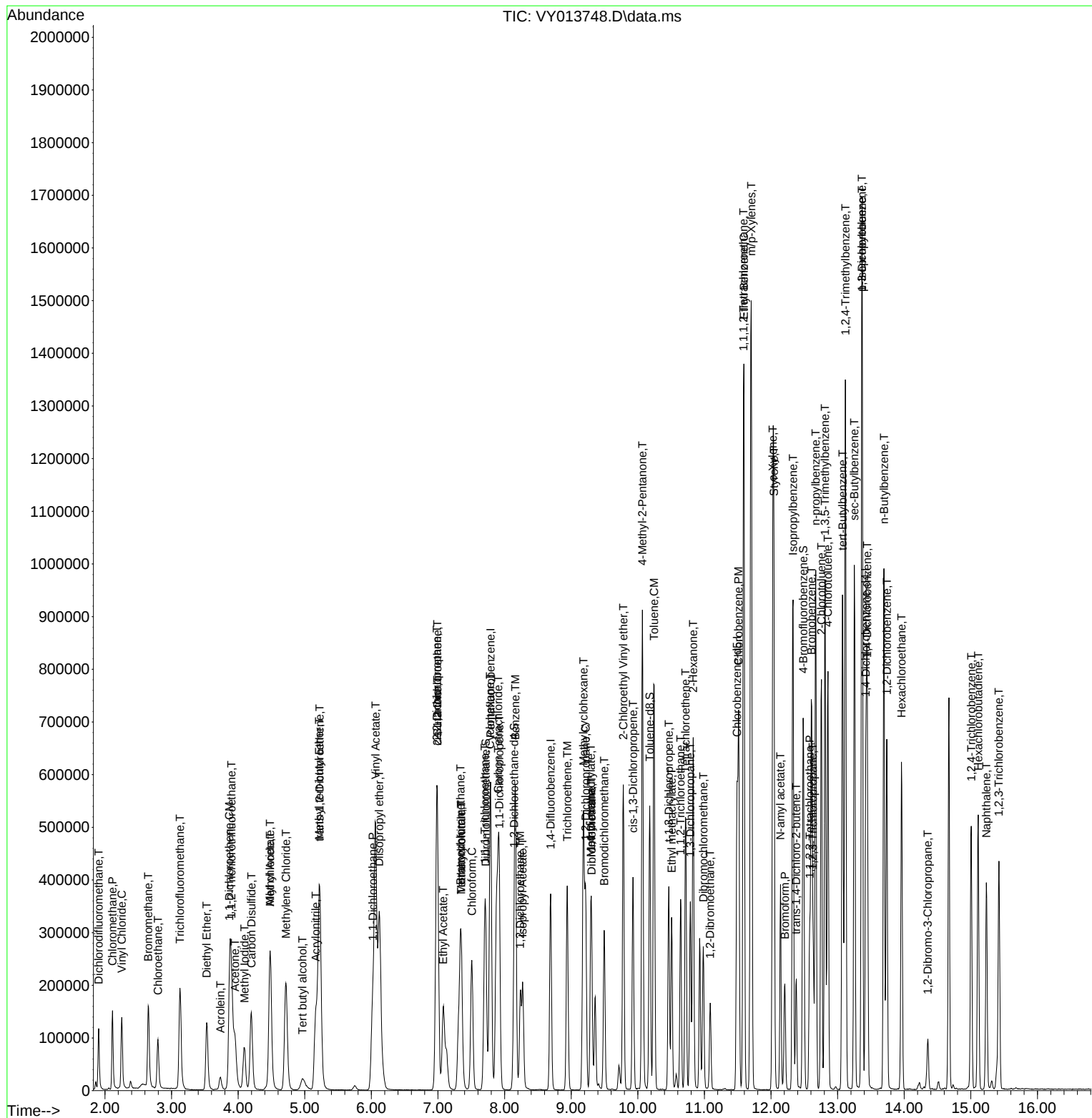
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

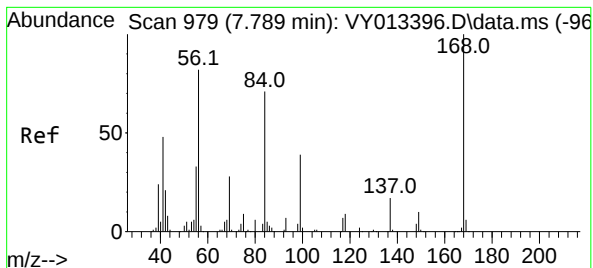
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Instrument :  
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

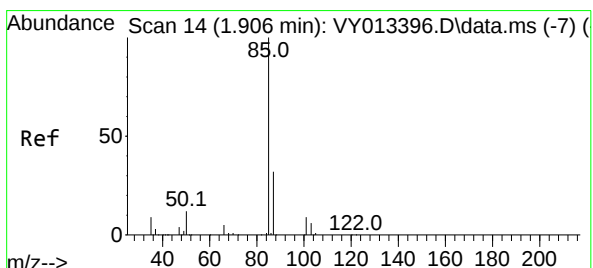
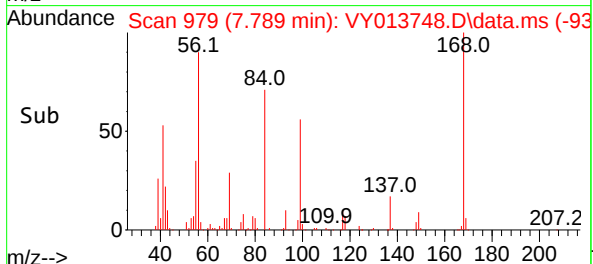
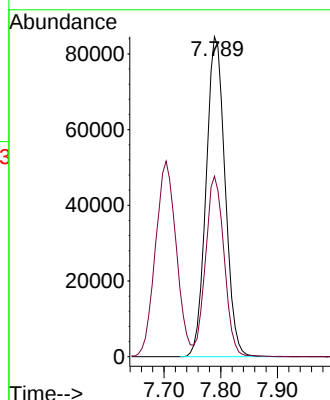
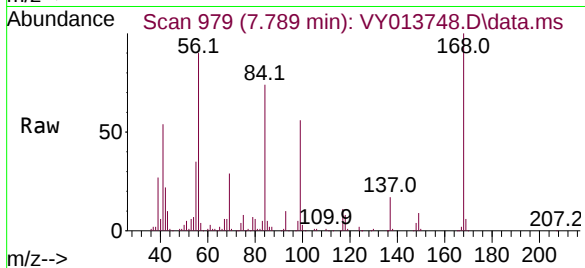
VSTDCCC050EC

Tgt Ion:168 Resp: 196053

Ion Ratio Lower Upper

168 100

99 56.3 41.8 62.6



#2

Dichlorodifluoromethane

Concen: 49.238 ug/l

RT: 1.906 min Scan# 14

Delta R.T. -0.000 min

Lab File: VY013748.D

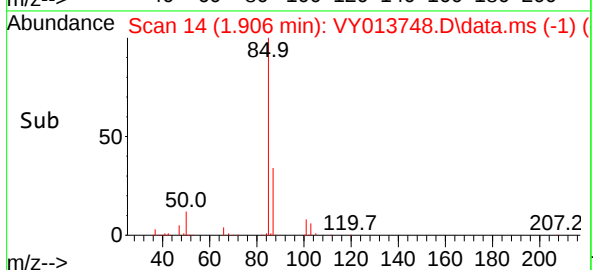
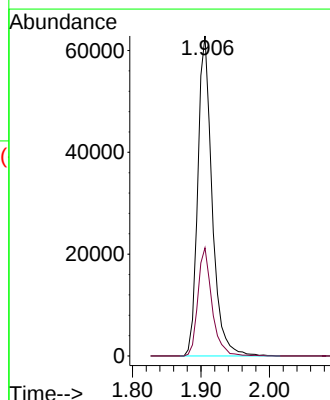
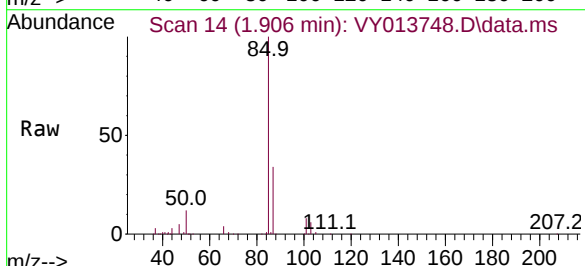
Acq: 15 May 2023 19:55

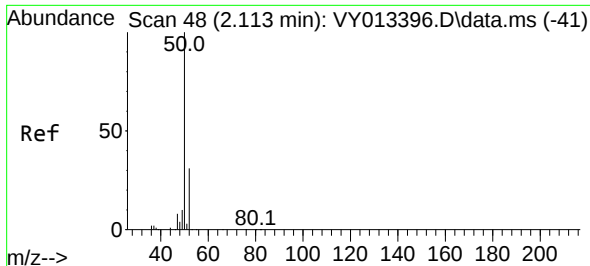
Tgt Ion: 85 Resp: 91772

Ion Ratio Lower Upper

85 100

87 33.8 16.1 48.2

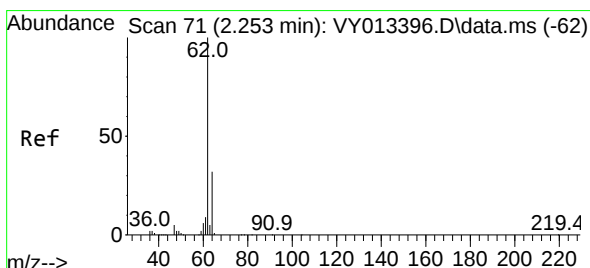
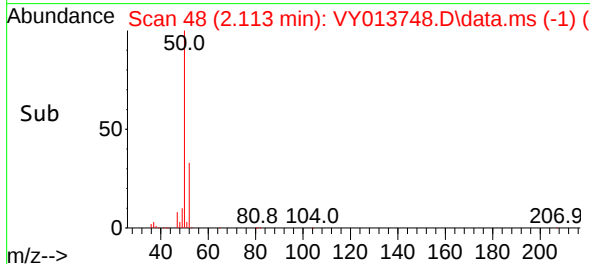
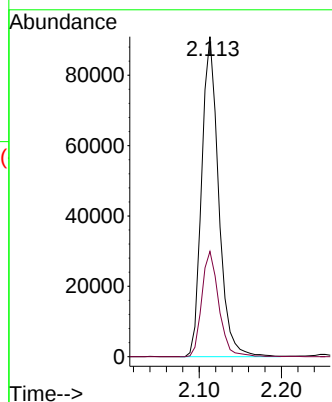
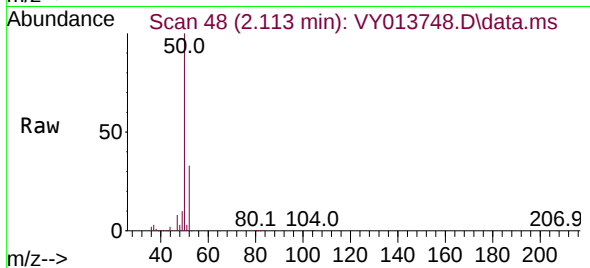




#3  
Chloromethane  
Concen: 52.063 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

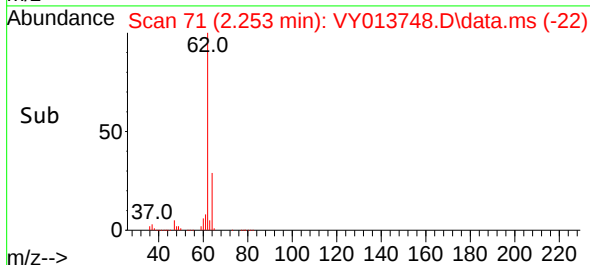
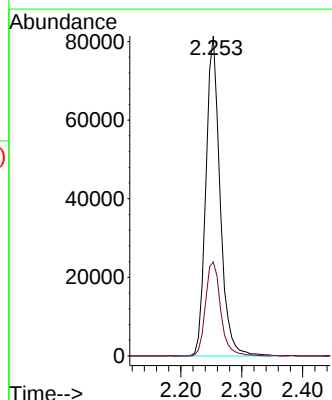
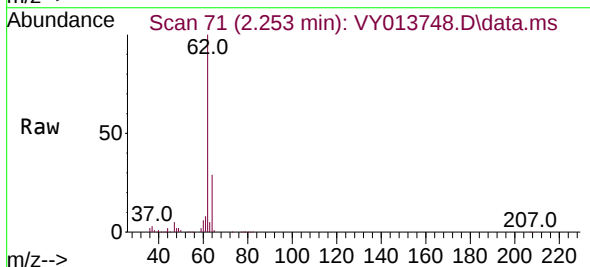
Instrument :  
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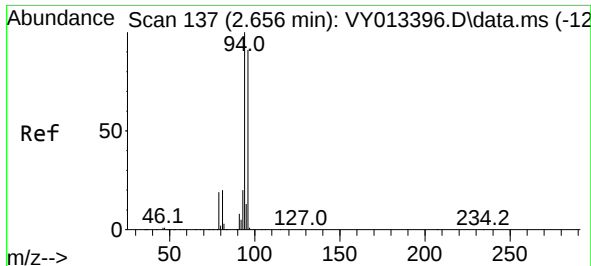
Tgt Ion: 50 Resp: 130072  
Ion Ratio Lower Upper  
50 100  
52 32.9 25.9 38.9



#4  
Vinyl Chloride  
Concen: 53.056 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 62 Resp: 131981  
Ion Ratio Lower Upper  
62 100  
64 29.4 25.4 38.0

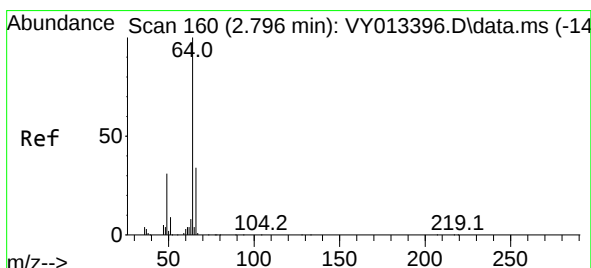
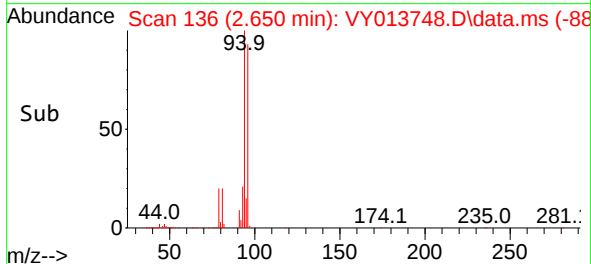
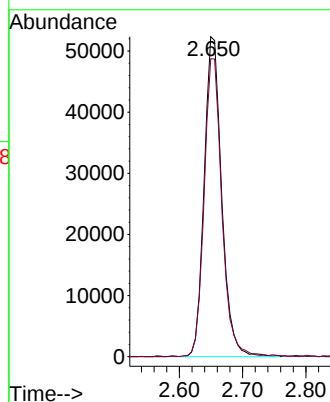
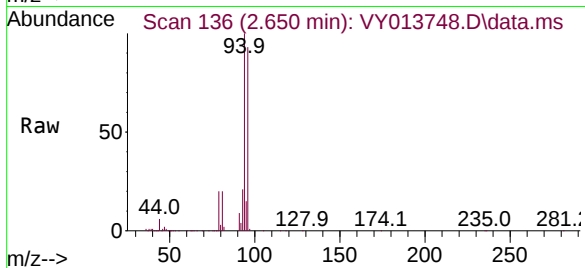




#5  
Bromomethane  
Concen: 50.992 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

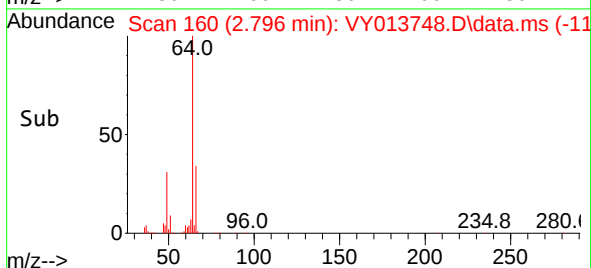
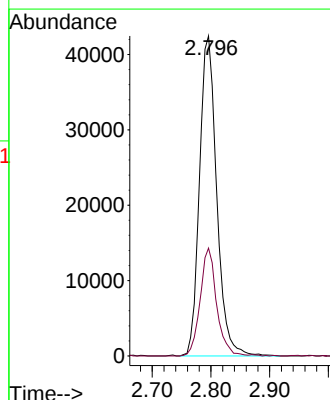
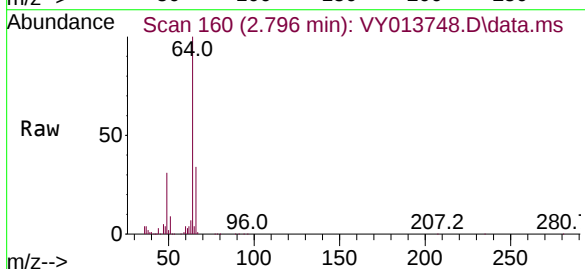
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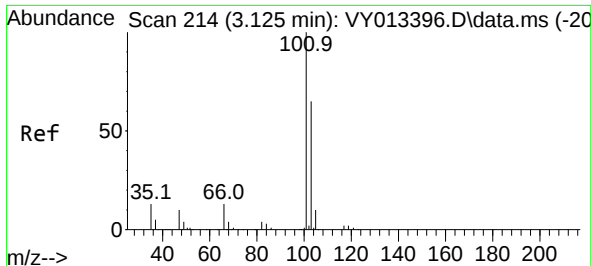
Tgt Ion: 94 Resp: 101083  
Ion Ratio Lower Upper  
94 100  
96 93.0 74.2 111.2



#6  
Chloroethane  
Concen: 50.270 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. 0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 64 Resp: 86389  
Ion Ratio Lower Upper  
64 100  
66 33.7 24.6 37.0

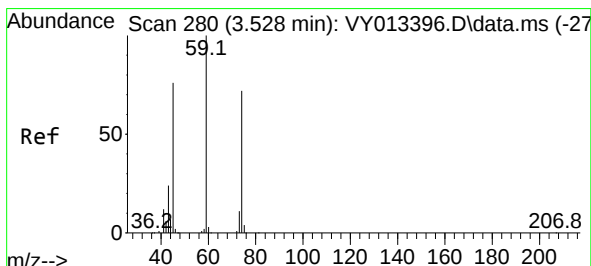
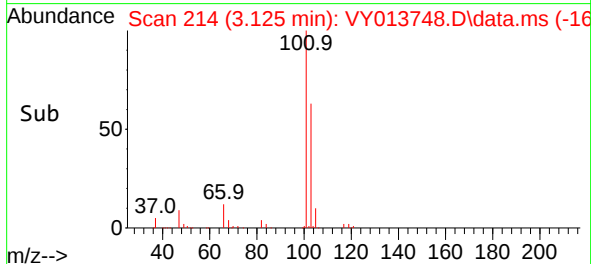
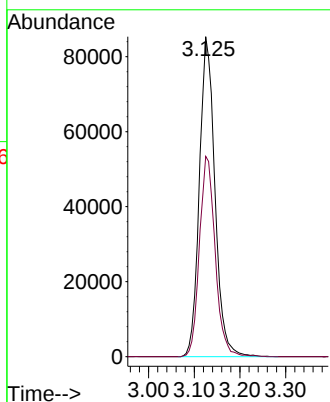
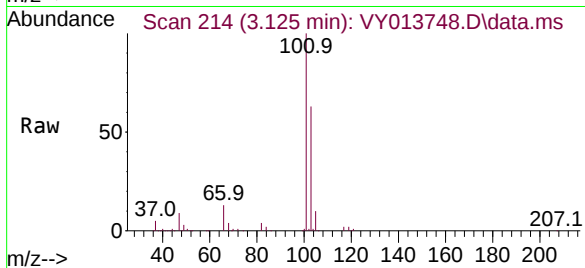




#7  
 Trichlorofluoromethane  
 Concen: 53.429 ug/l  
 RT: 3.125 min Scan# 214  
 Delta R.T. 0.000 min  
 Lab File: VY013748.D  
 Acq: 15 May 2023 19:55

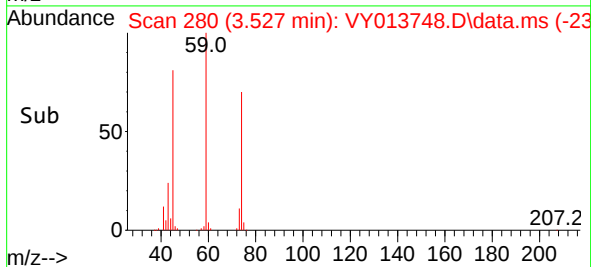
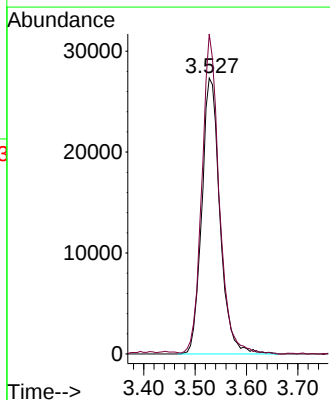
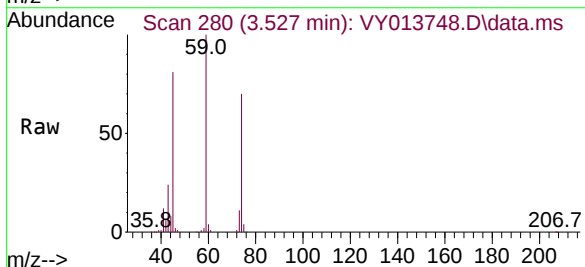
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

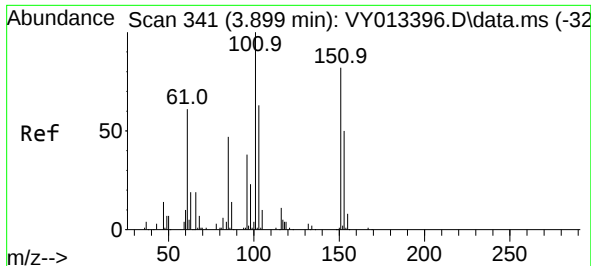
Tgt Ion:101 Resp: 201346  
 Ion Ratio Lower Upper  
 101 100  
 103 62.6 51.6 77.4



#8  
 Diethyl Ether  
 Concen: 52.115 ug/l  
 RT: 3.527 min Scan# 280  
 Delta R.T. 0.000 min  
 Lab File: VY013748.D  
 Acq: 15 May 2023 19:55

Tgt Ion: 74 Resp: 66878  
 Ion Ratio Lower Upper  
 74 100  
 45 111.4 48.2 144.6

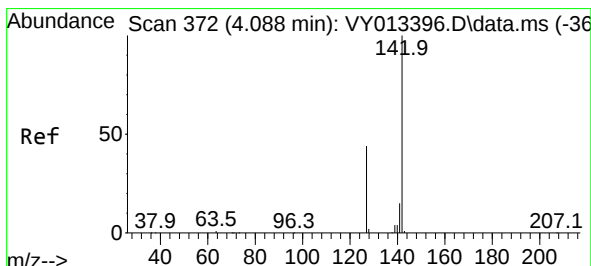
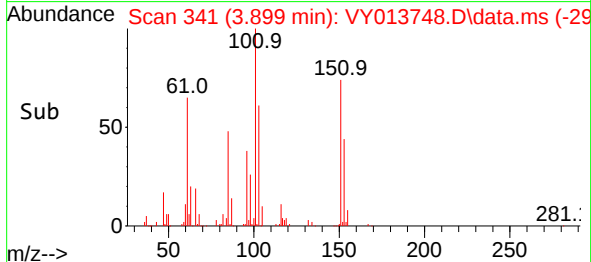
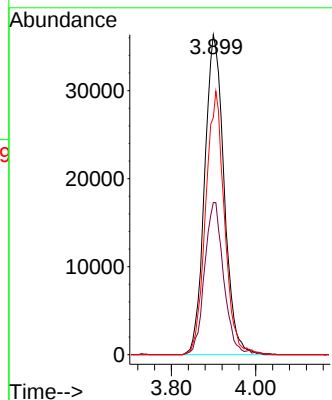
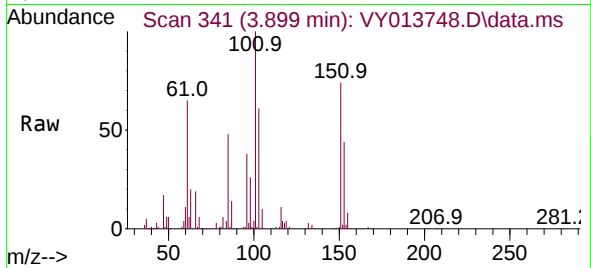




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 55.216 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

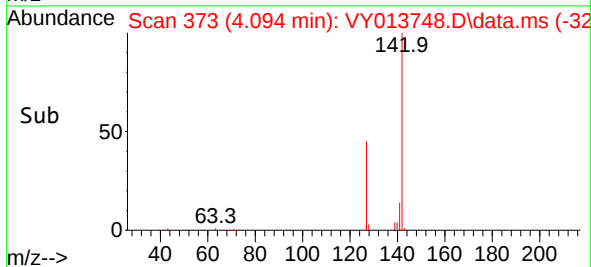
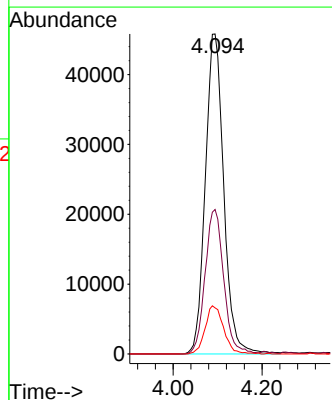
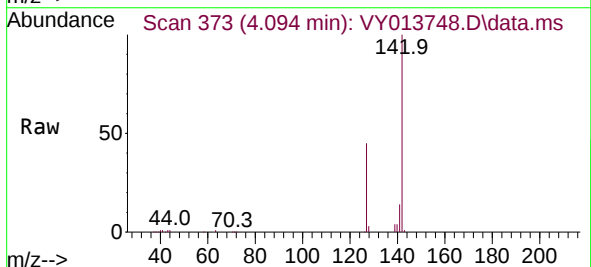
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

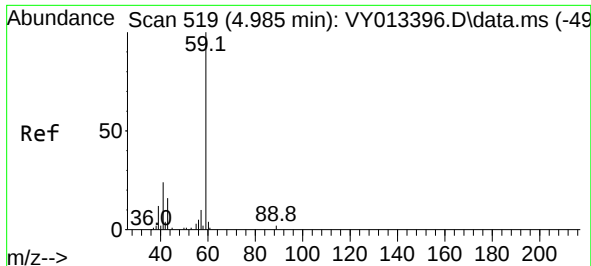
Tgt Ion:101 Resp: 116714  
Ion Ratio Lower Upper  
101 100  
85 46.7 35.6 53.4  
151 79.5 68.0 102.0



#10  
Methyl Iodide  
Concen: 49.842 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion:142 Resp: 132325  
Ion Ratio Lower Upper  
142 100  
127 45.6 36.1 54.1  
141 15.1 11.6 17.4

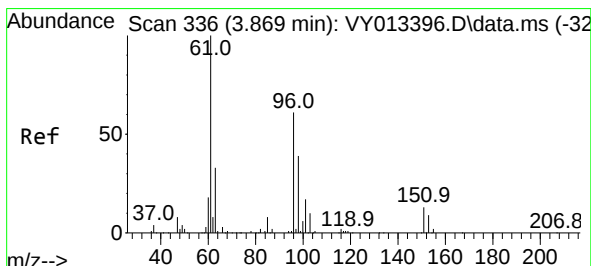
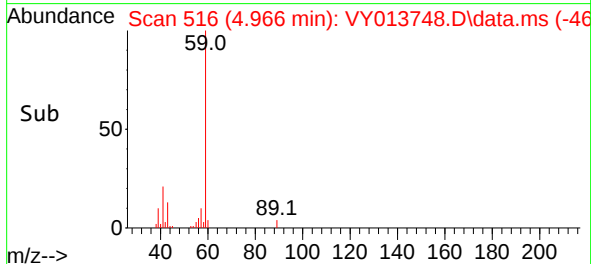
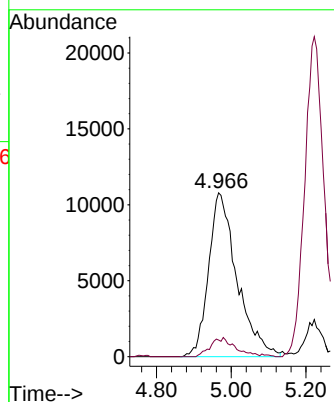
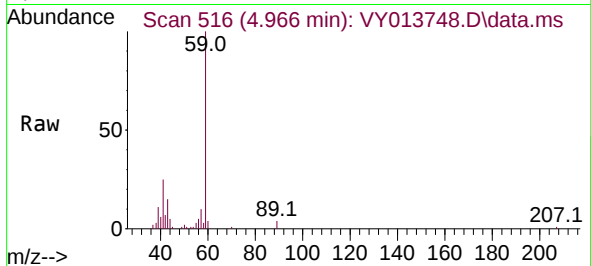




#11  
Tert butyl alcohol  
Concen: 235.079 ug/l  
RT: 4.966 min Scan# 519  
Delta R.T. -0.012 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

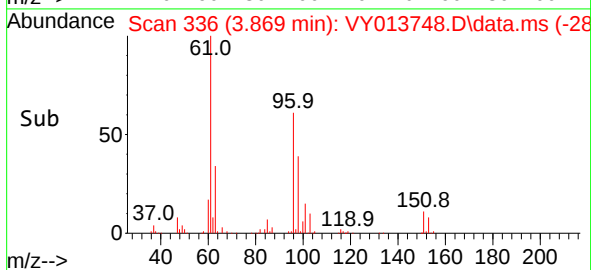
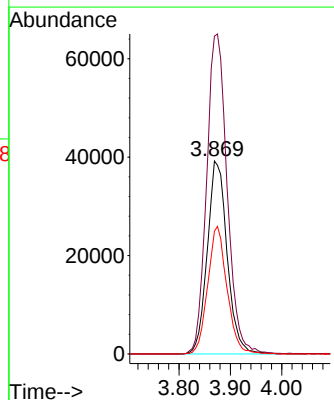
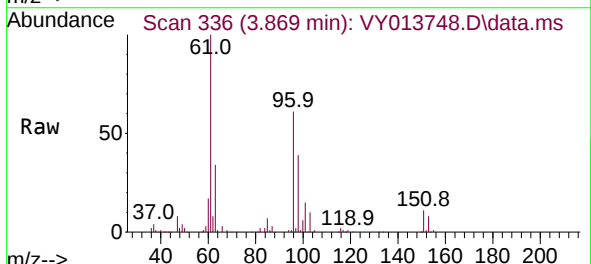
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

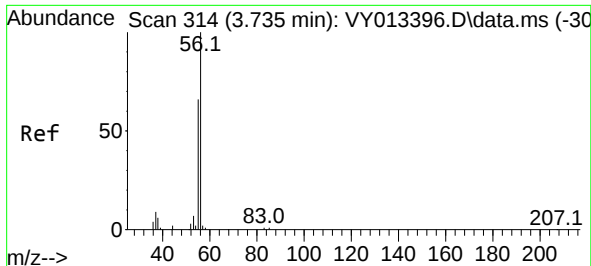
Tgt Ion: 59 Resp: 56896  
Ion Ratio Lower Upper  
59 100  
57 10.0 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 51.774 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 96 Resp: 105493  
Ion Ratio Lower Upper  
96 100  
61 164.6 123.9 185.9  
98 63.6 48.9 73.3





#13

Acrolein

Concen: 152.366 ug/l

RT: 3.735 min Scan# 314

Delta R.T. 0.006 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

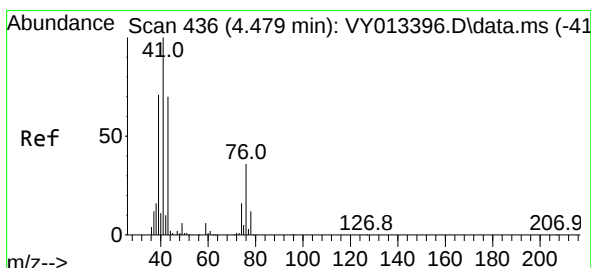
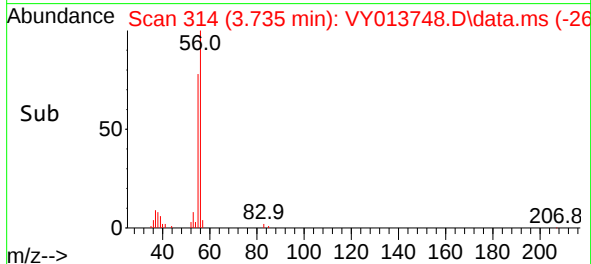
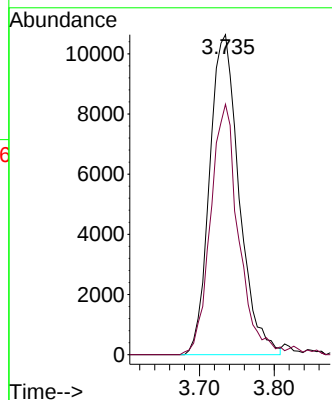
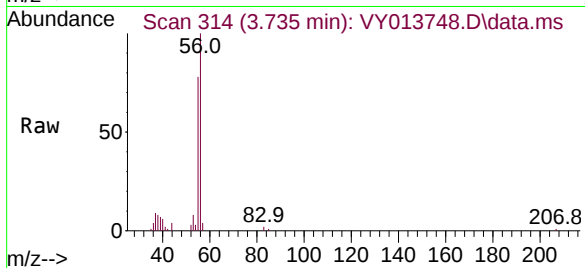
VSTDCCC050EC

Tgt Ion: 56 Resp: 29261

Ion Ratio Lower Upper

56 100

55 74.3 54.1 81.1



#14

Allyl chloride

Concen: 54.863 ug/l

RT: 4.479 min Scan# 436

Delta R.T. 0.001 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

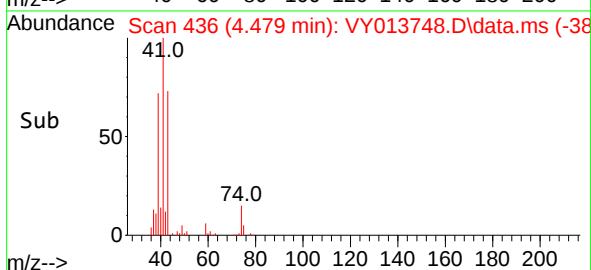
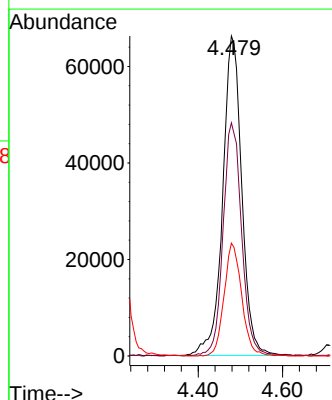
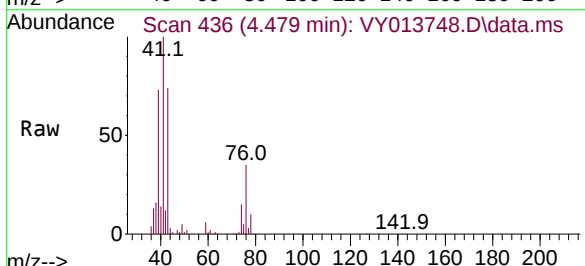
Tgt Ion: 41 Resp: 207419

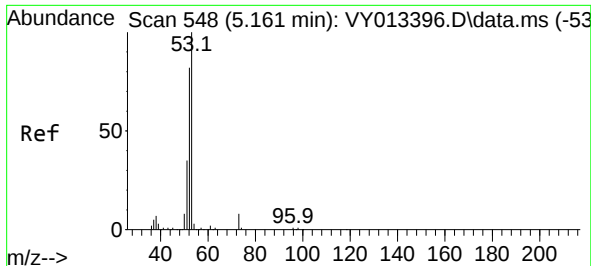
Ion Ratio Lower Upper

41 100

39 71.4 56.6 85.0

76 32.6 30.5 45.7

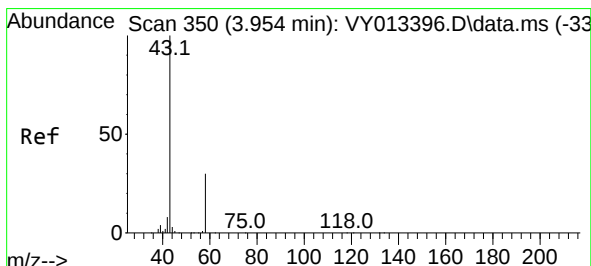
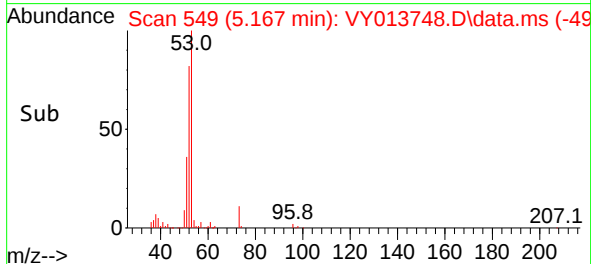
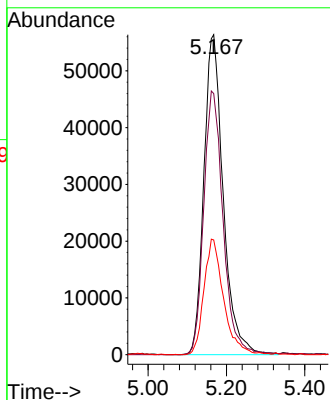
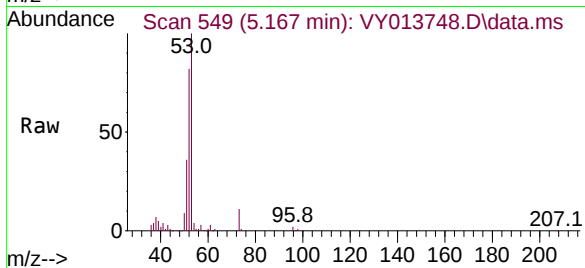




#15  
Acrylonitrile  
Concen: 268.664 ug/l  
RT: 5.167 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

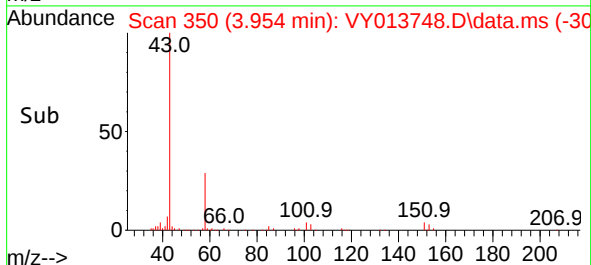
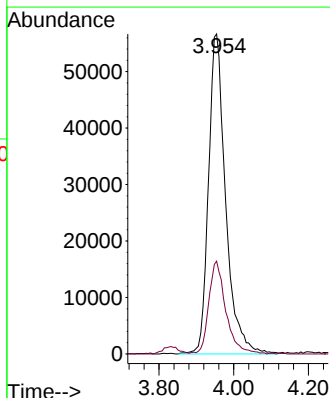
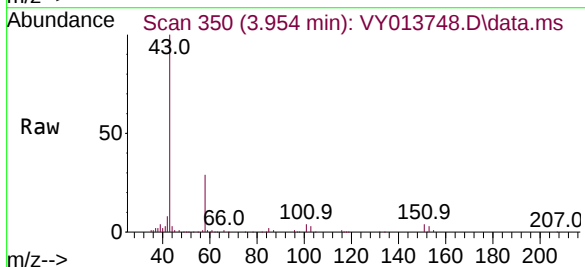
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

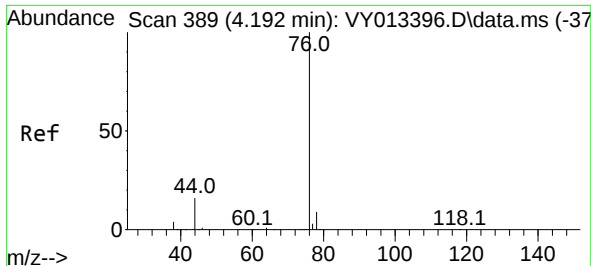
Tgt Ion: 53 Resp: 193085  
Ion Ratio Lower Upper  
53 100  
52 82.4 65.4 98.0  
51 36.9 29.3 43.9



#16  
Acetone  
Concen: 213.115 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 43 Resp: 180373  
Ion Ratio Lower Upper  
43 100  
58 28.9 25.4 38.0

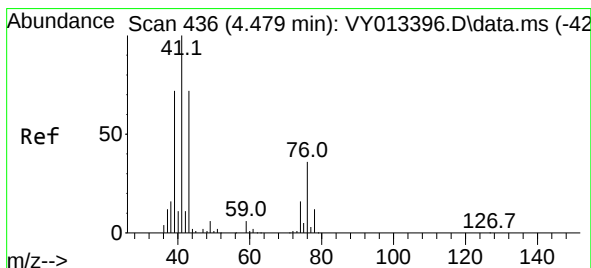
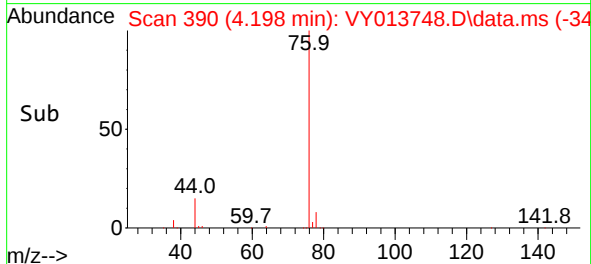
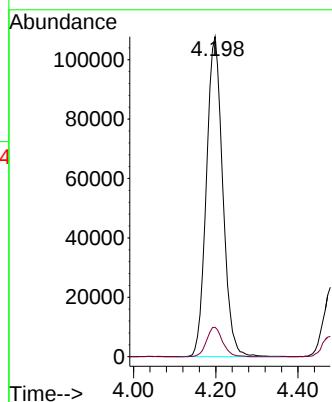
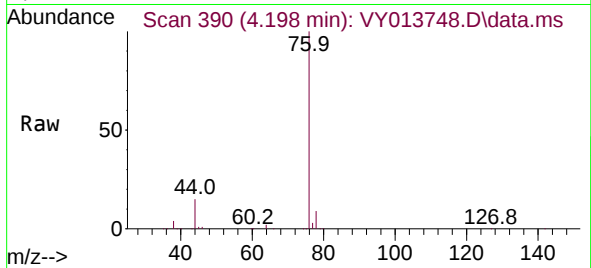




#17  
Carbon Disulfide  
Concen: 44.963 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

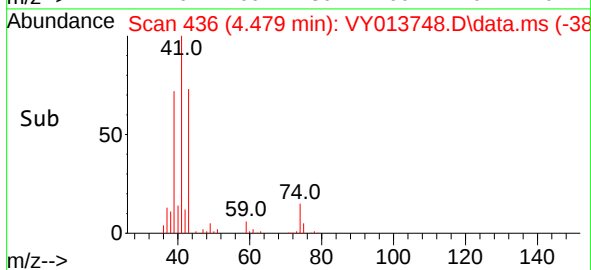
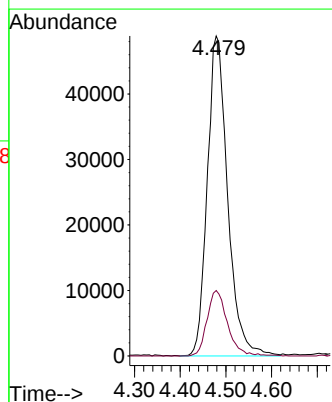
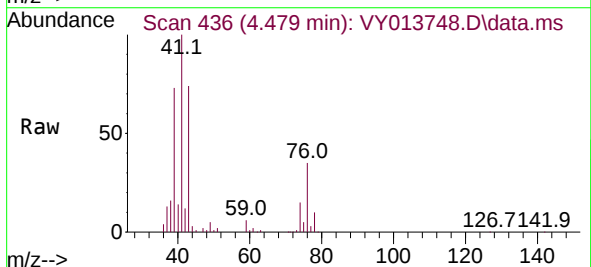
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

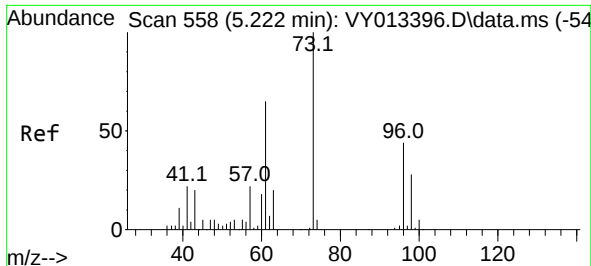
Tgt Ion: 76 Resp: 297591  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8



#18  
Methyl Acetate  
Concen: 54.127 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.001 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 43 Resp: 151306  
Ion Ratio Lower Upper  
43 100  
74 20.6 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 56.422 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

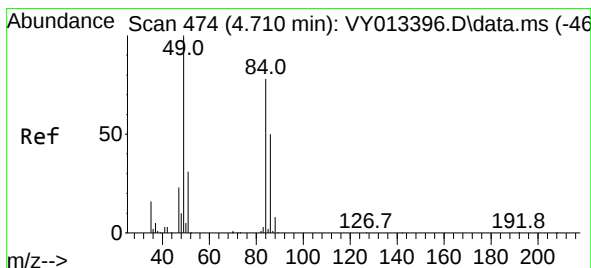
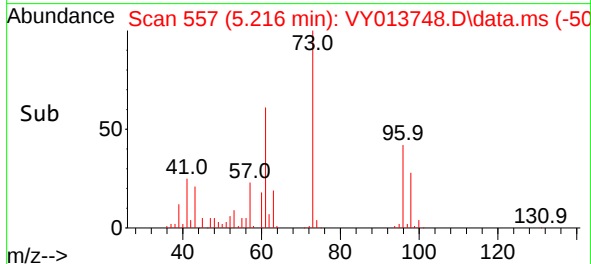
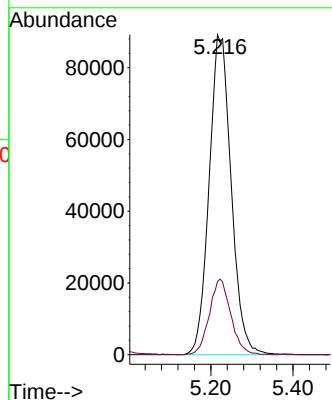
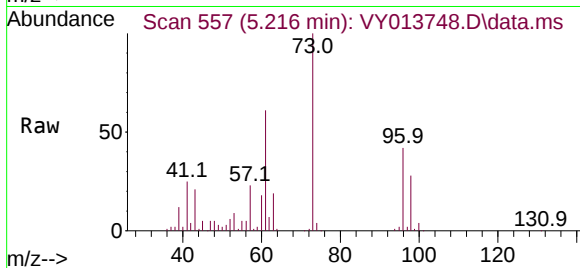
VSTDCCC050EC

Tgt Ion: 73 Resp: 331893

Ion Ratio Lower Upper

73 100

57 22.9 17.8 26.8



#20

Methylene Chloride

Concen: 56.745 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Tgt Ion: 84 Resp: 147562

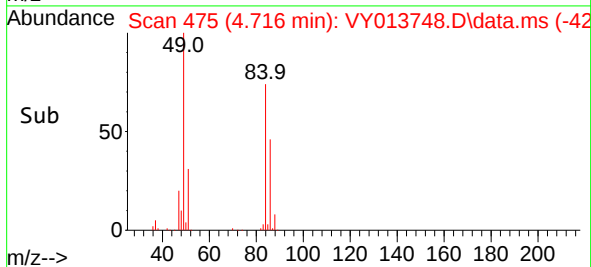
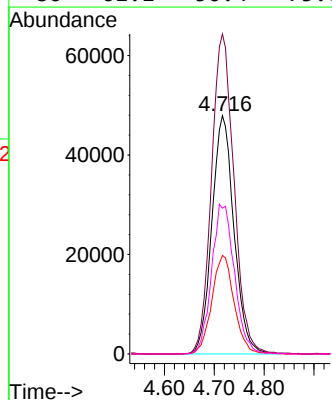
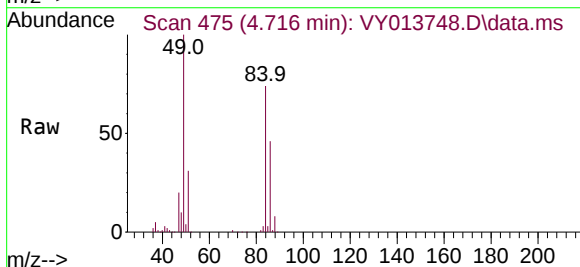
Ion Ratio Lower Upper

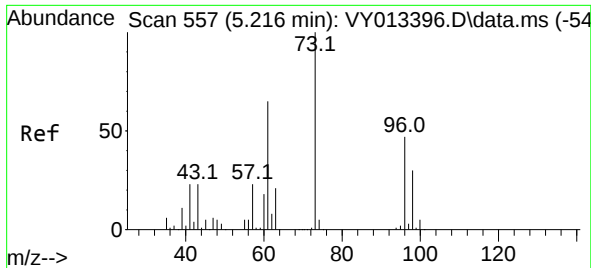
84 100

49 134.1 88.0 132.0#

51 41.2 27.4 41.0#

86 61.1 50.4 75.6

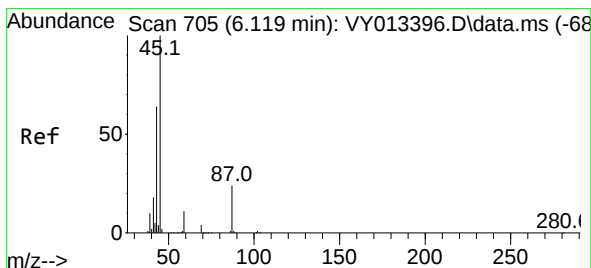
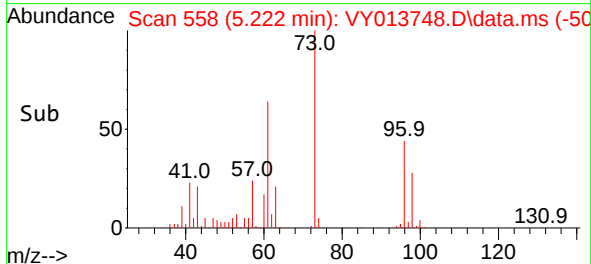
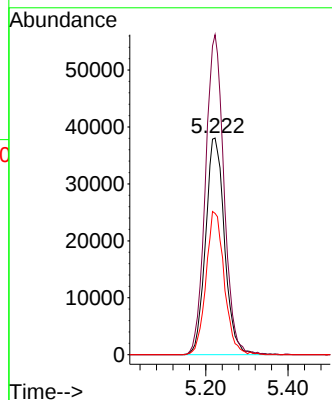
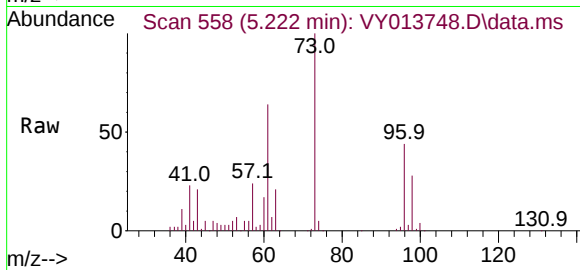




#21  
trans-1,2-Dichloroethene  
Concen: 54.549 ug/l  
RT: 5.222 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

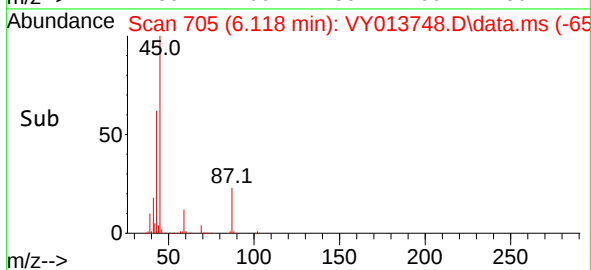
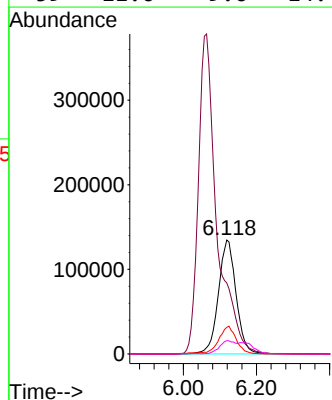
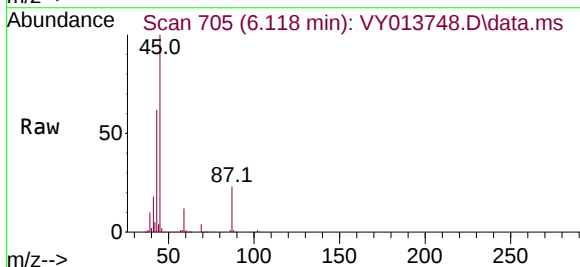
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

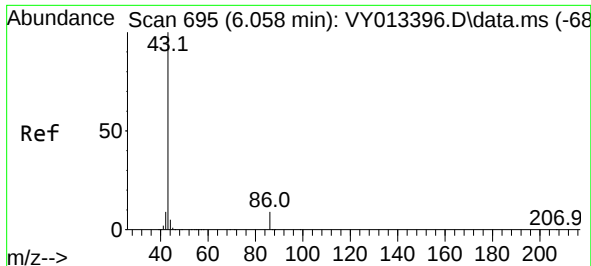
Tgt Ion: 96 Resp: 121524  
Ion Ratio Lower Upper  
96 100  
61 147.8 110.6 165.8  
98 65.3 53.1 79.7



#22  
Diisopropyl ether  
Concen: 61.257 ug/l  
RT: 6.118 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 45 Resp: 452662  
Ion Ratio Lower Upper  
45 100  
43 62.2 48.4 72.6  
87 23.3 23.8 35.6#  
59 11.6 9.6 14.4

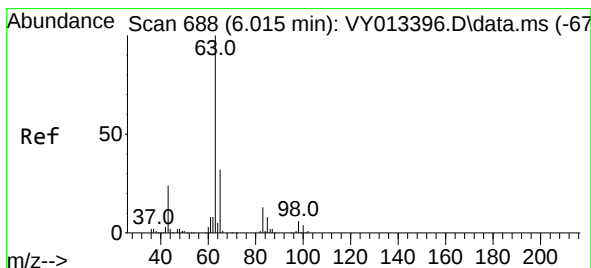
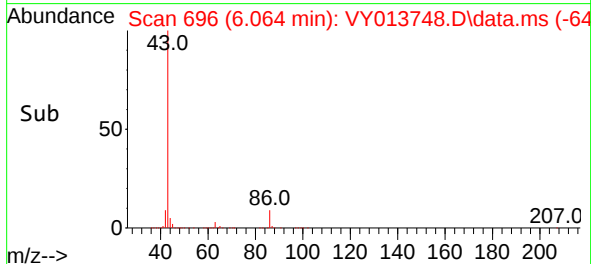
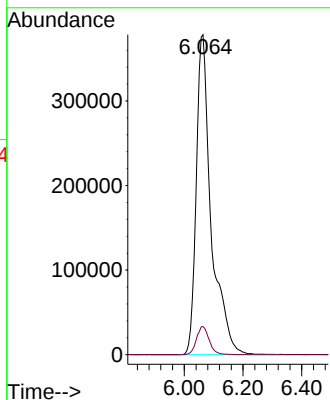
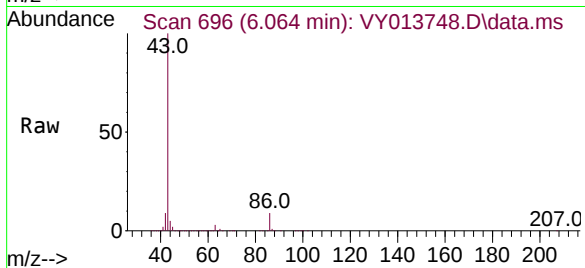




#23  
 Vinyl Acetate  
 Concen: 318.578 ug/l  
 RT: 6.064 min Scan# 696  
 Delta R.T. 0.007 min  
 Lab File: VY013748.D  
 Acq: 15 May 2023 19:55

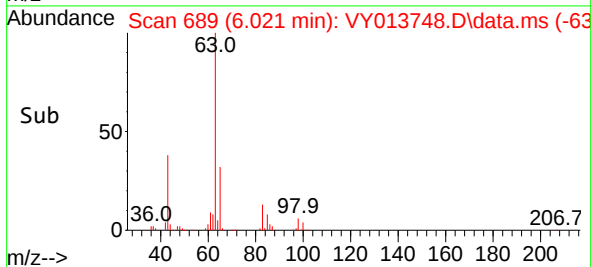
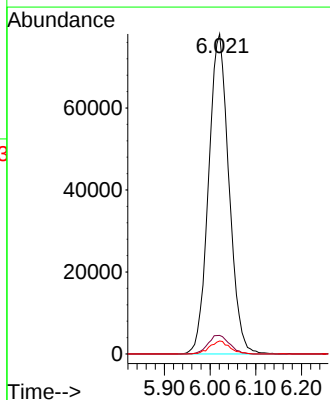
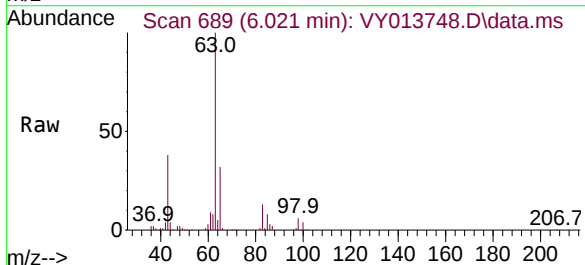
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

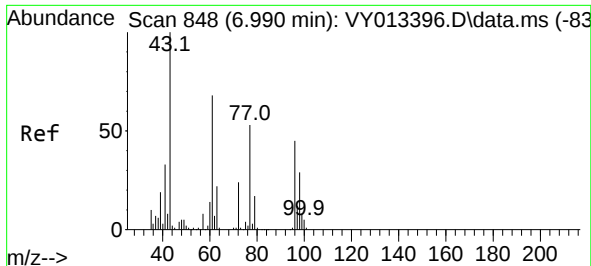
Tgt Ion: 43 Resp: 1332919  
 Ion Ratio Lower Upper  
 43 100  
 86 8.8 8.5 12.7



#24  
 1,1-Dichloroethane  
 Concen: 58.627 ug/l  
 RT: 6.021 min Scan# 689  
 Delta R.T. 0.006 min  
 Lab File: VY013748.D  
 Acq: 15 May 2023 19:55

Tgt Ion: 63 Resp: 241453  
 Ion Ratio Lower Upper  
 63 100  
 98 5.8 3.5 10.6  
 100 4.1 2.2 6.6

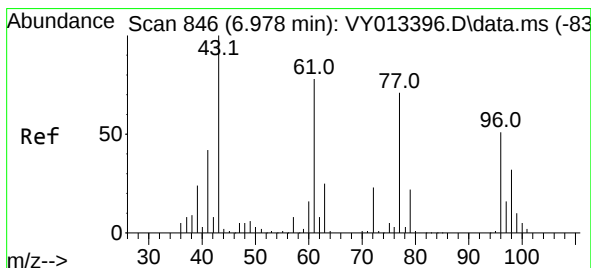
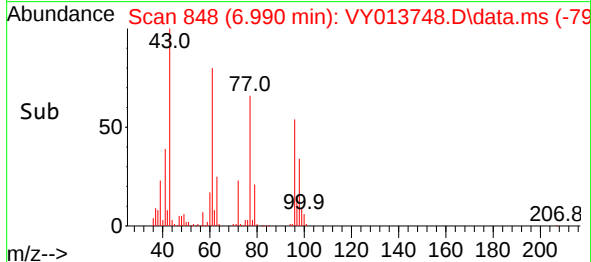
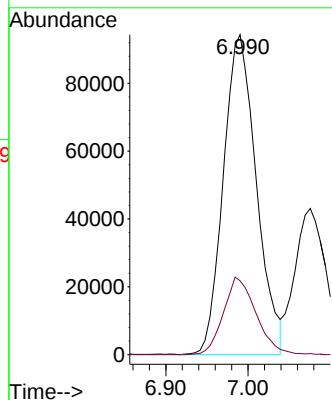
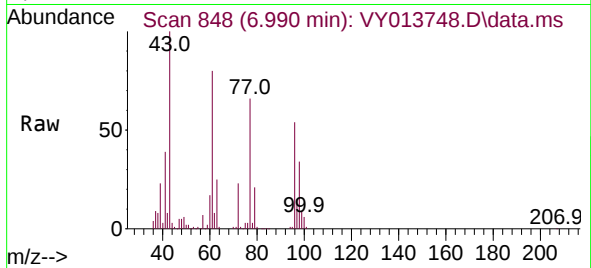




#25  
2-Butanone  
Concen: 245.846 ug/l  
RT: 6.990 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

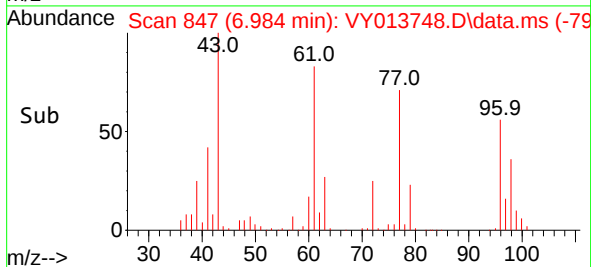
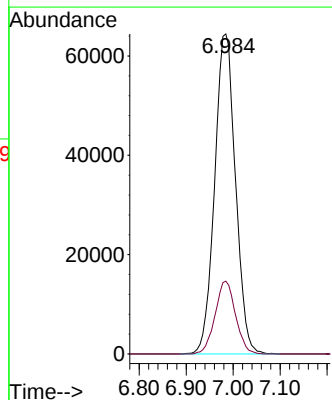
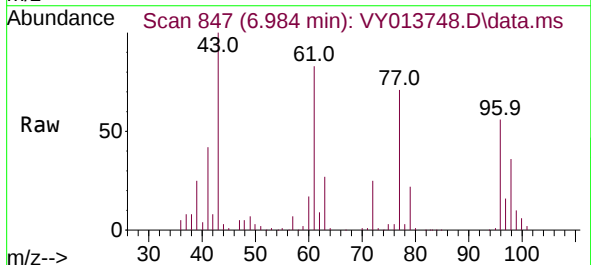
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

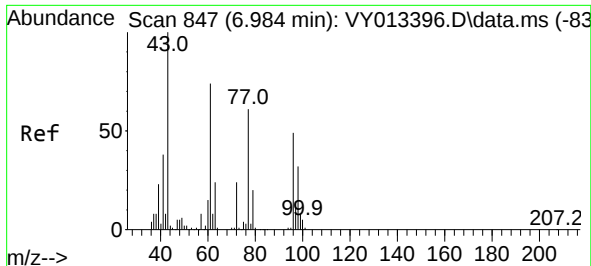
Tgt Ion: 43 Resp: 263886  
Ion Ratio Lower Upper  
43 100  
72 23.1 21.9 32.9



#26  
2,2-Dichloropropane  
Concen: 55.924 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 77 Resp: 198468  
Ion Ratio Lower Upper  
77 100  
97 22.4 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 56.826 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

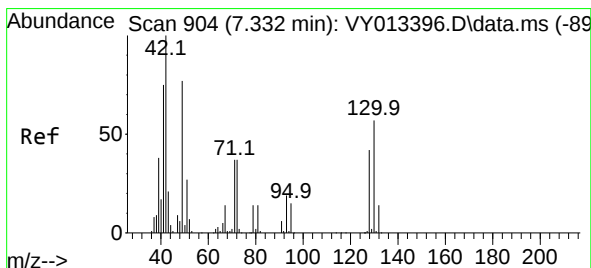
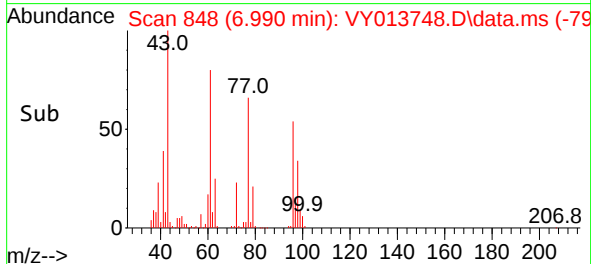
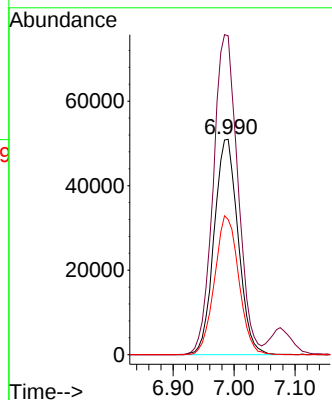
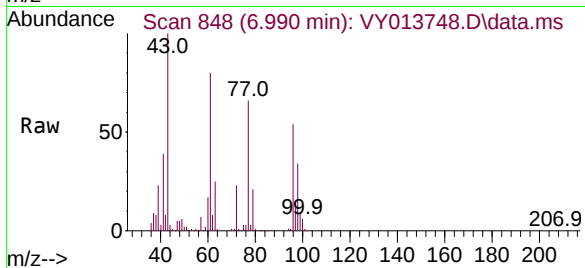
Tgt Ion: 96 Resp: 139873

Ion Ratio Lower Upper

96 100

61 152.1 0.0 285.0

98 65.0 0.0 130.6



#28

Bromochloromethane

Concen: 55.764 ug/l

RT: 7.338 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

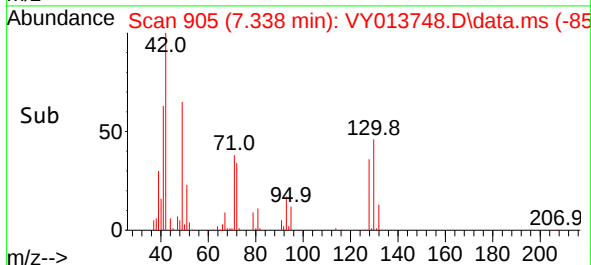
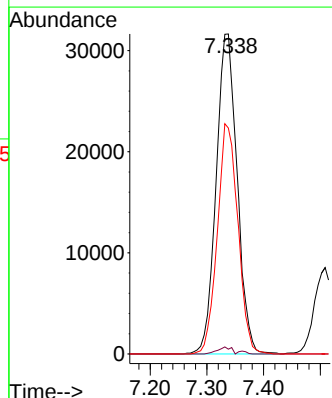
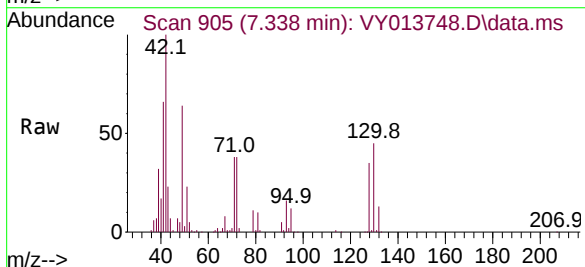
Tgt Ion: 49 Resp: 81498

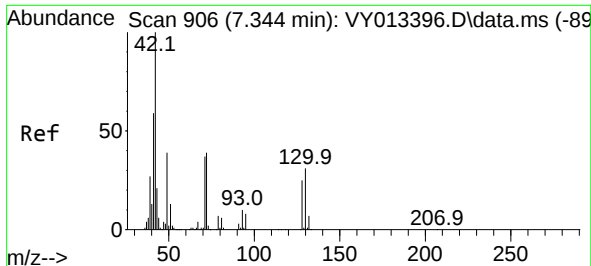
Ion Ratio Lower Upper

49 100

129 1.5 0.0 5.2

130 70.4 72.1 108.1#





#29

Tetrahydrofuran

Concen: 256.453 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

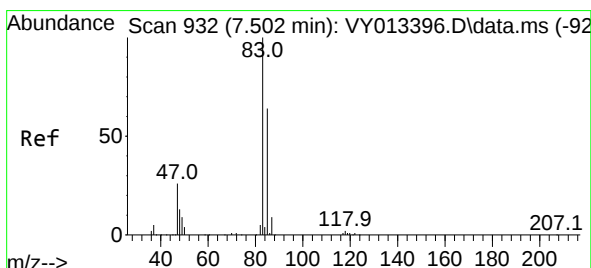
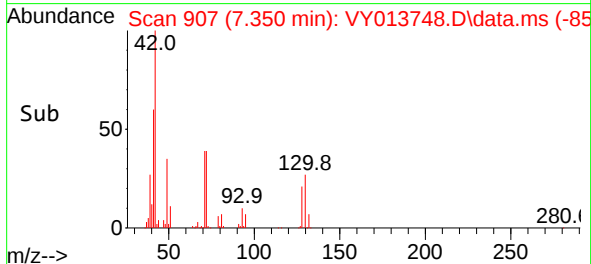
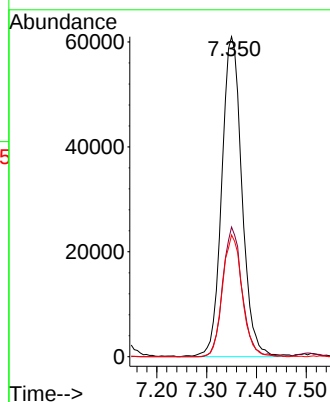
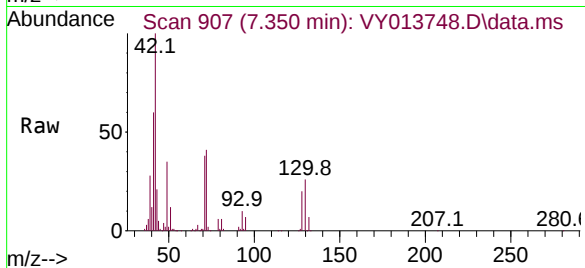
Tgt Ion: 42 Resp: 171350

Ion Ratio Lower Upper

42 100

72 38.8 35.9 53.9

71 37.2 34.3 51.5



#30

Chloroform

Concen: 58.491 ug/l

RT: 7.508 min Scan# 933

Delta R.T. 0.006 min

Lab File: VY013748.D

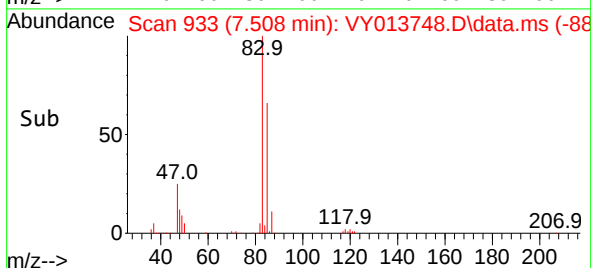
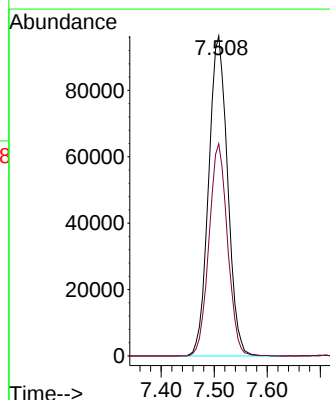
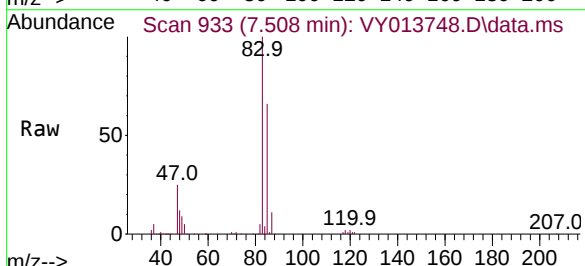
Acq: 15 May 2023 19:55

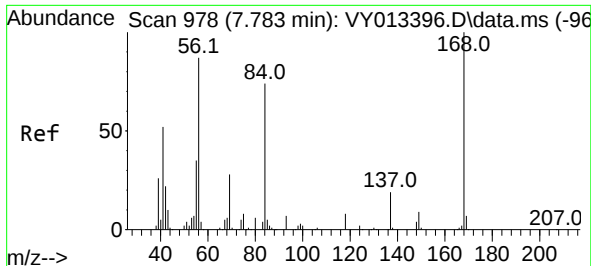
Tgt Ion: 83 Resp: 239509

Ion Ratio Lower Upper

83 100

85 66.3 52.0 78.0

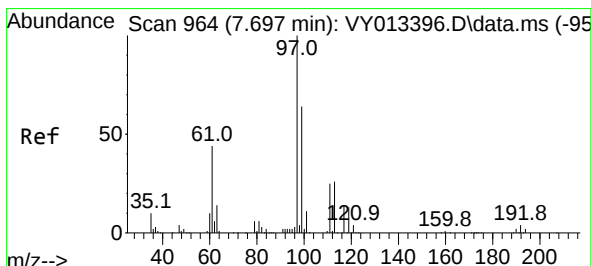
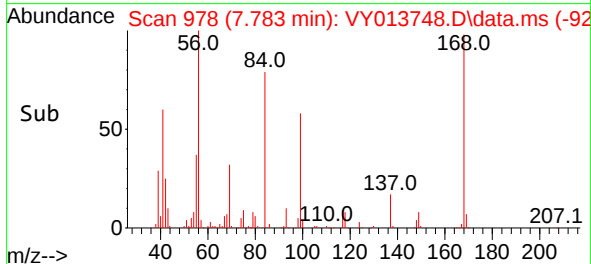
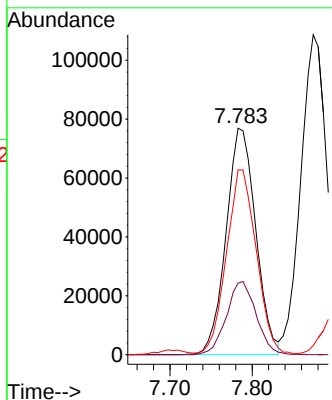
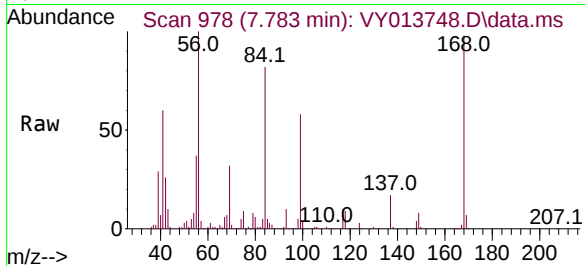




#31  
Cyclohexane  
Concen: 50.118 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

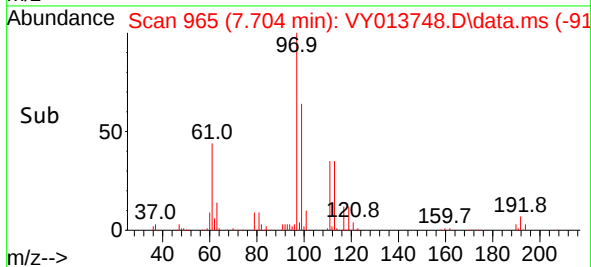
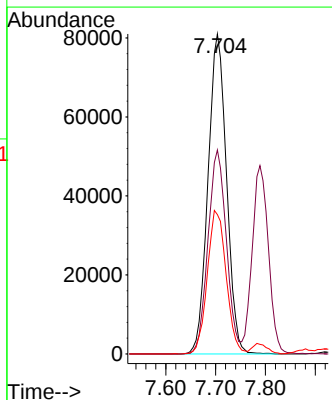
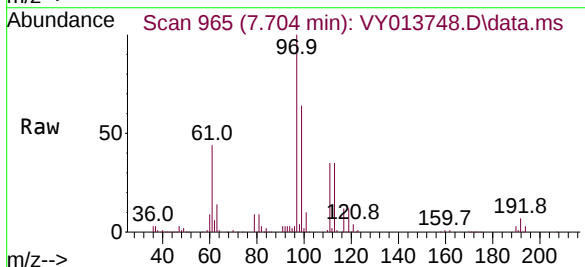
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

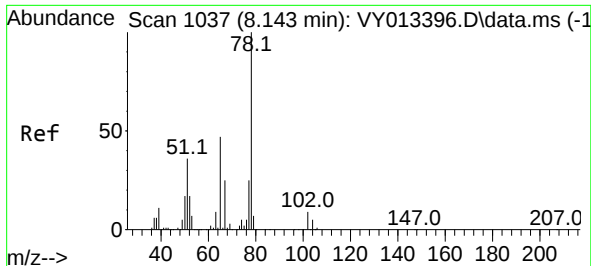
Tgt Ion: 56 Resp: 192849  
Ion Ratio Lower Upper  
56 100  
69 31.6 29.2 43.8  
84 79.6 73.0 109.6



#32  
1,1,1-Trichloroethane  
Concen: 57.204 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. 0.007 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 97 Resp: 209024  
Ion Ratio Lower Upper  
97 100  
99 63.5 52.2 78.2  
61 45.8 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 52.141 ug/l

RT: 8.142 min Scan# 112060

Delta R.T. 0.006 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

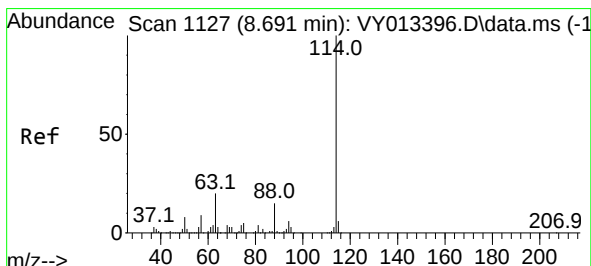
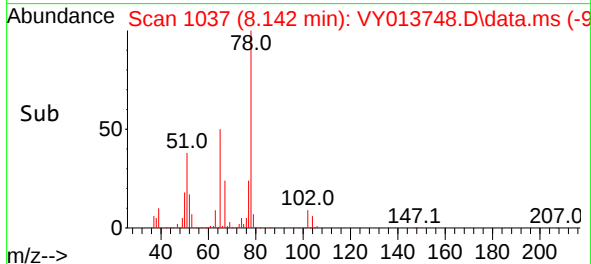
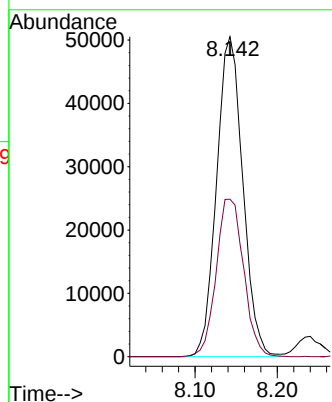
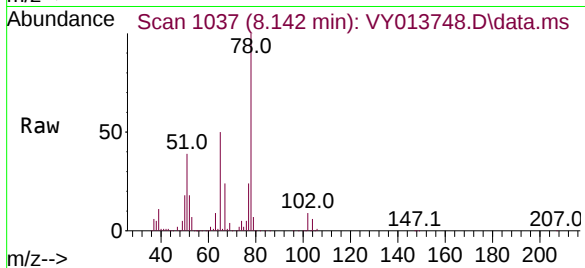
VSTDCCC050EC

Tgt Ion: 65 Resp: 112060

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

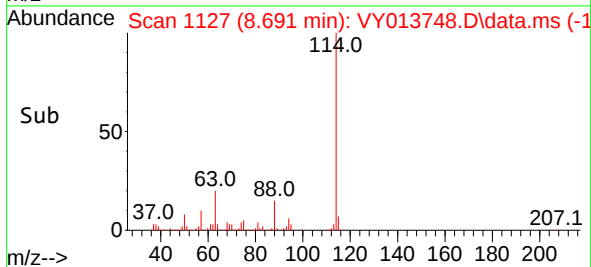
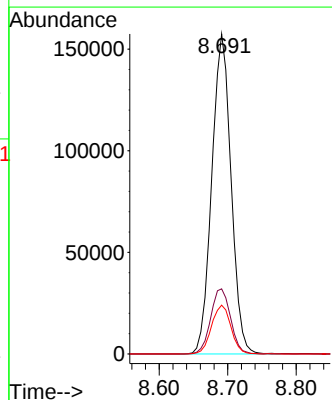
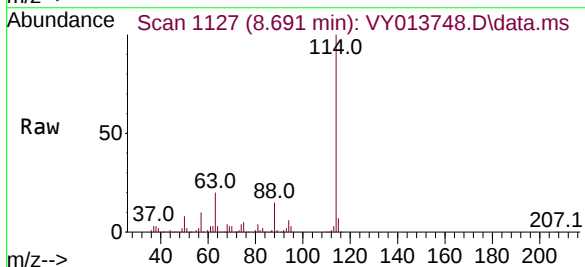
Tgt Ion: 114 Resp: 306704

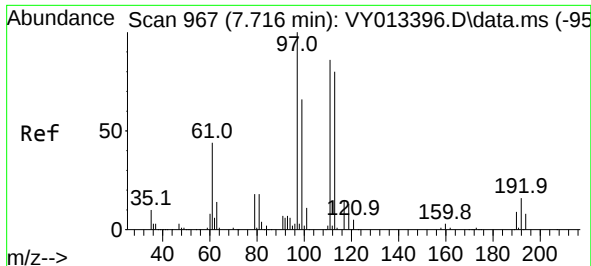
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.6

88 15.3 0.0 28.8





#35

Dibromofluoromethane

Concen: 55.506 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

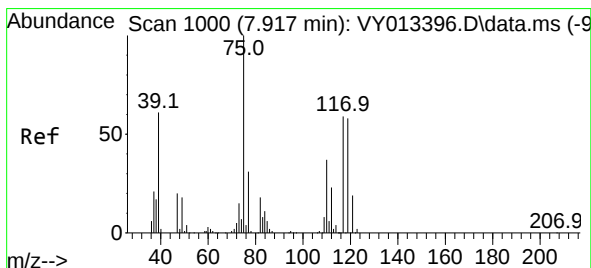
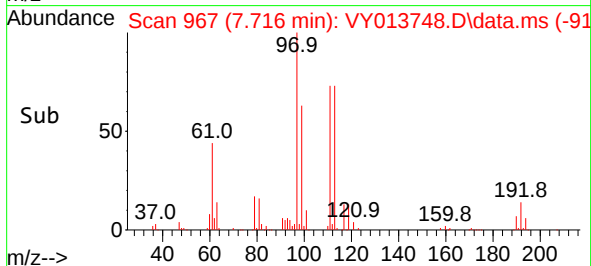
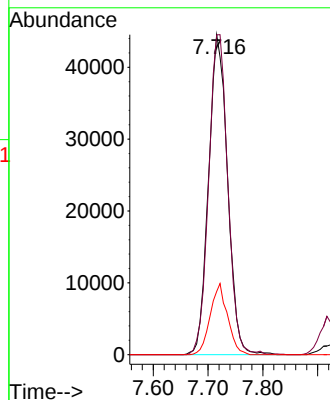
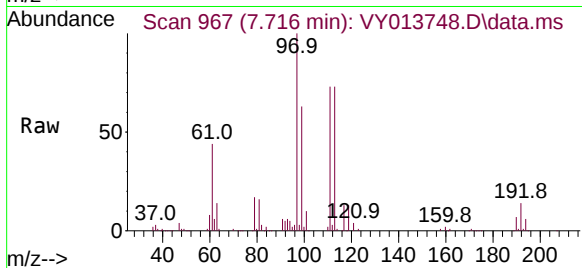
Tgt Ion:113 Resp: 107073

Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.2

192 20.2 16.7 25.1



#36

1,1-Dichloropropene

Concen: 54.382 ug/l

RT: 7.923 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

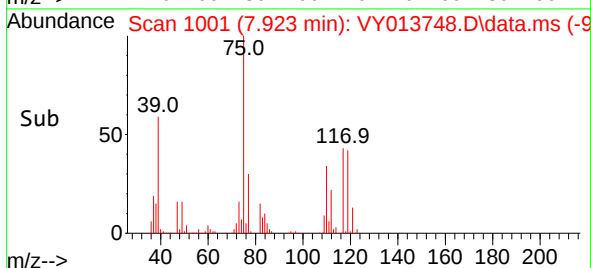
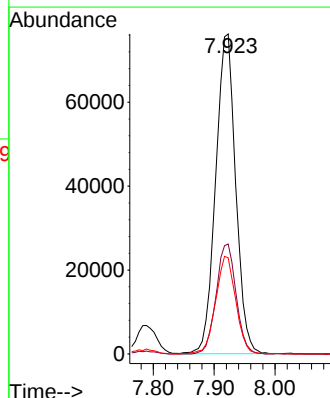
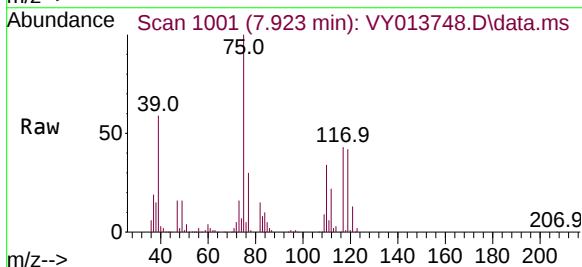
Tgt Ion: 75 Resp: 174103

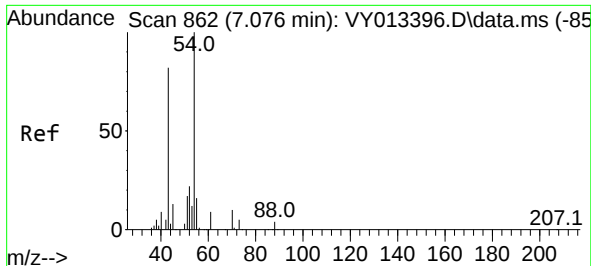
Ion Ratio Lower Upper

75 100

110 34.2 18.7 56.1

77 30.8 24.6 37.0





#37

Ethyl Acetate

Concen: 49.328 ug/l

RT: 7.076 min Scan# 80

Delta R.T. 0.007 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

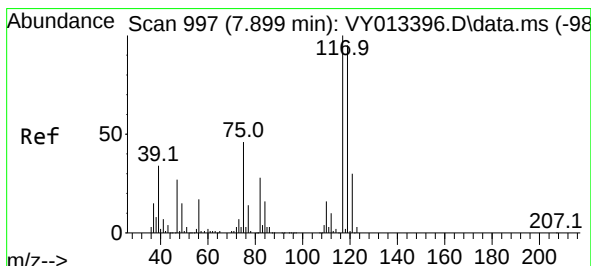
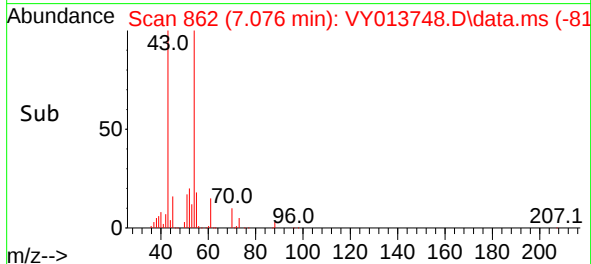
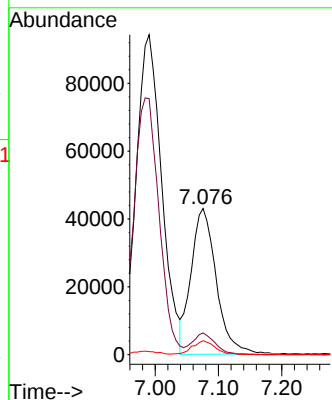
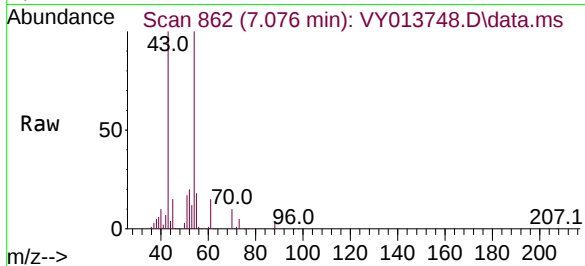
Tgt Ion: 43 Resp: 118842

Ion Ratio Lower Upper

43 100

61 13.5 11.4 17.0

70 8.8 7.9 11.9



#38

Carbon Tetrachloride

Concen: 55.739 ug/l

RT: 7.905 min Scan# 998

Delta R.T. 0.006 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

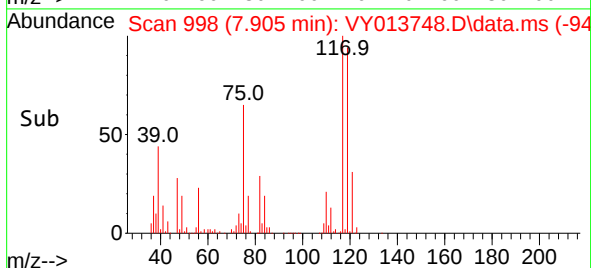
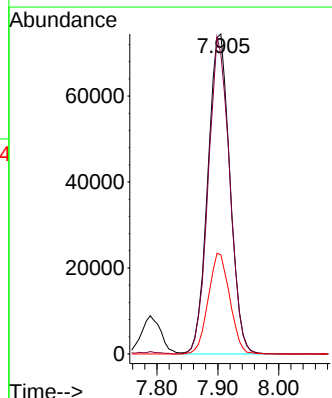
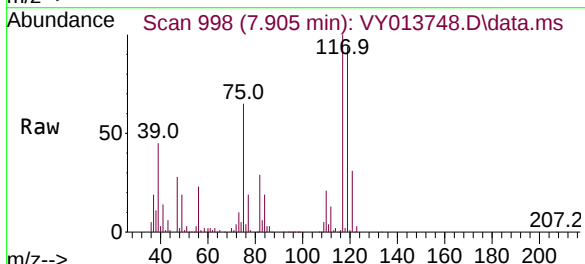
Tgt Ion: 117 Resp: 187035

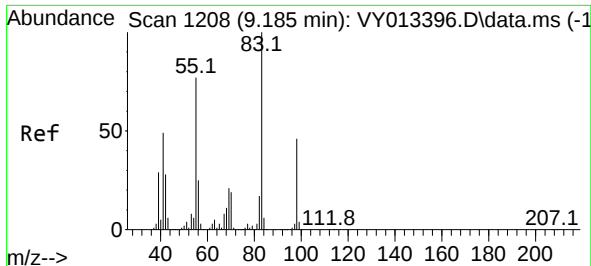
Ion Ratio Lower Upper

117 100

119 93.8 79.0 118.6

121 31.0 26.6 40.0





#39

Methylcyclohexane

Concen: 52.945 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

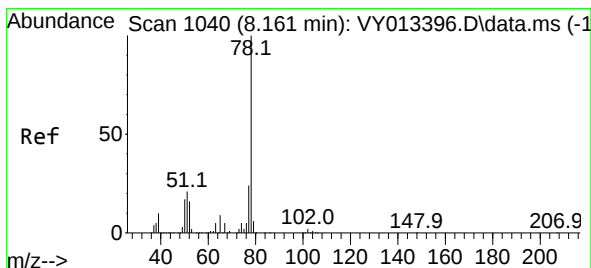
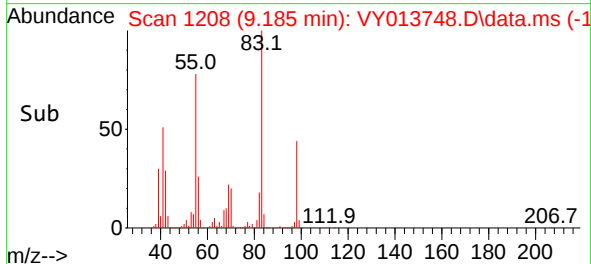
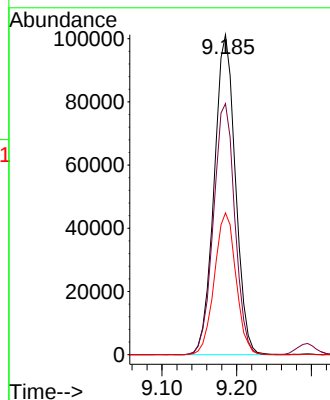
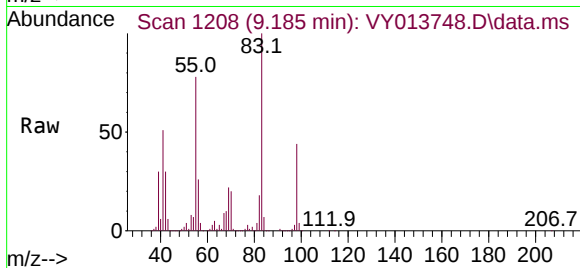
Tgt Ion: 83 Resp: 199827

Ion Ratio Lower Upper

83 100

55 78.4 59.0 88.4

98 44.3 37.0 55.4



#40

Benzene

Concen: 56.048 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY013748.D

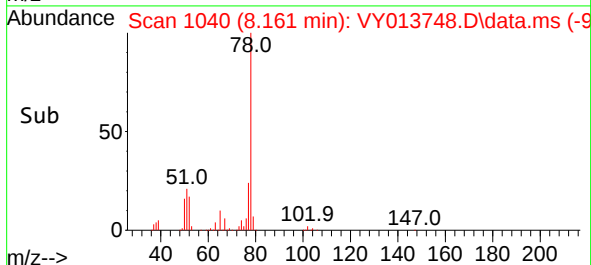
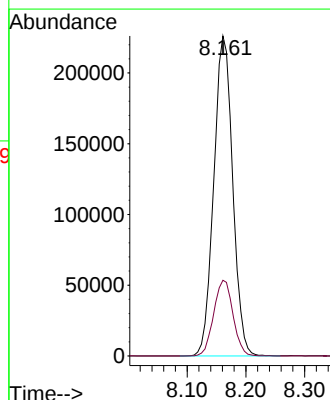
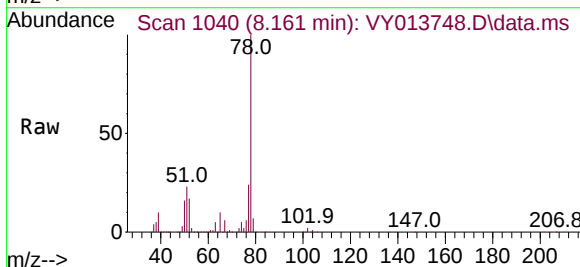
Acq: 15 May 2023 19:55

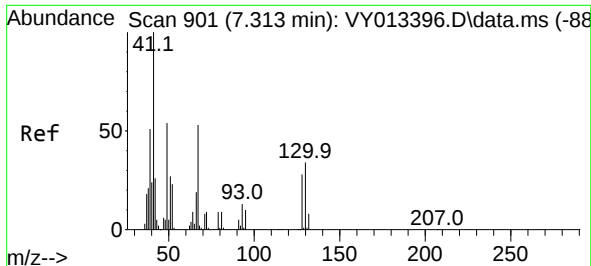
Tgt Ion: 78 Resp: 505451

Ion Ratio Lower Upper

78 100

77 23.7 19.2 28.8

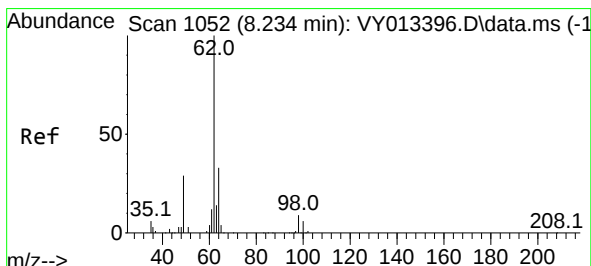
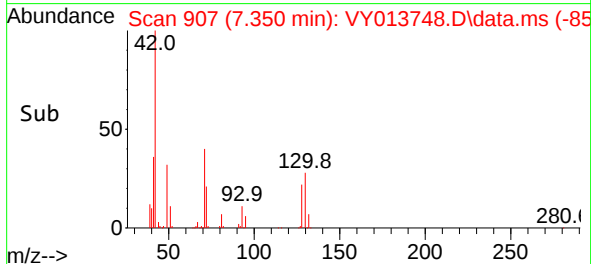
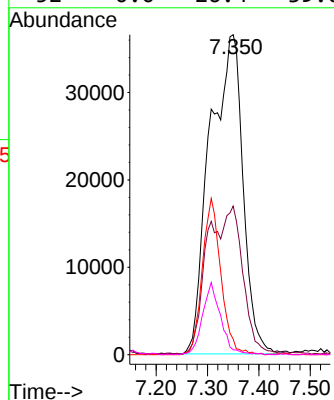
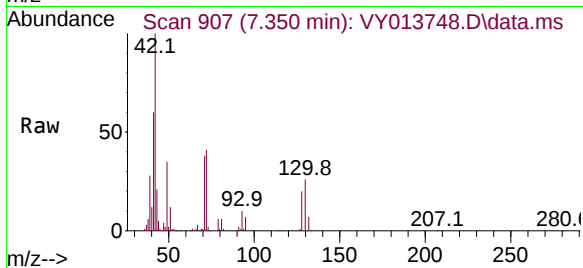




#41  
Methacrylonitrile  
Concen: 144.761 ug/l  
RT: 7.350 min Scan# 901  
Delta R.T. 0.043 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

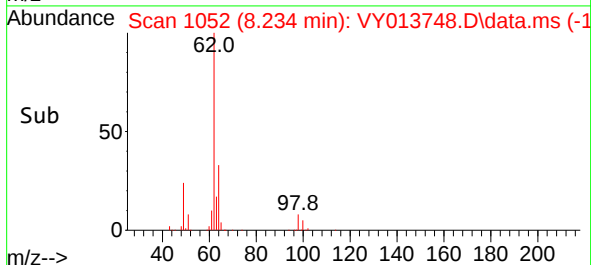
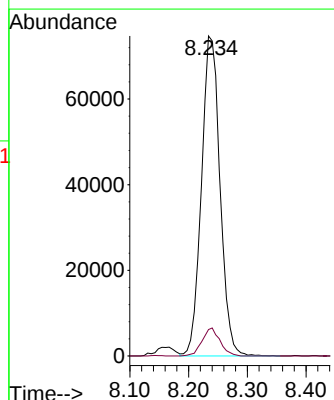
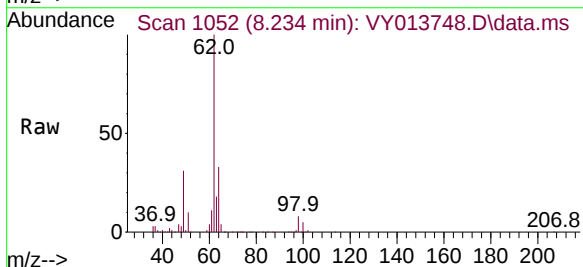
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

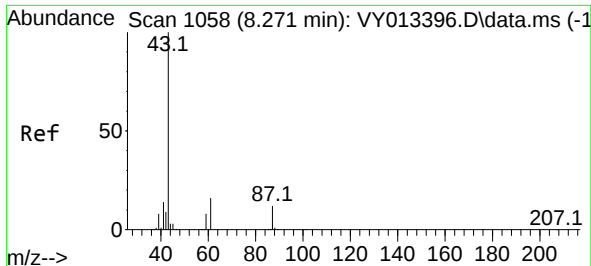
Tgt Ion: 41 Resp: 162521  
Ion Ratio Lower Upper  
41 100  
39 0.0 44.2 66.4#  
67 0.0 62.9 94.3#  
52 0.0 26.4 39.6#



#42  
1,2-Dichloroethane  
Concen: 55.686 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 62 Resp: 164181  
Ion Ratio Lower Upper  
62 100  
98 8.4 0.0 17.8



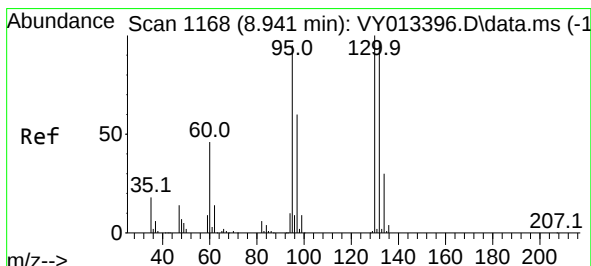
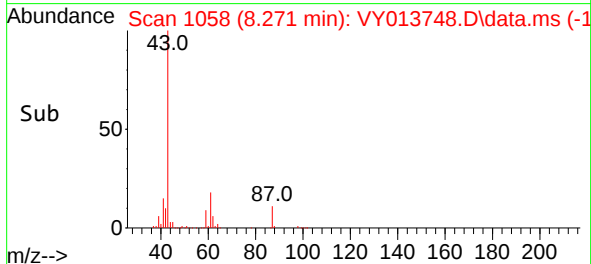
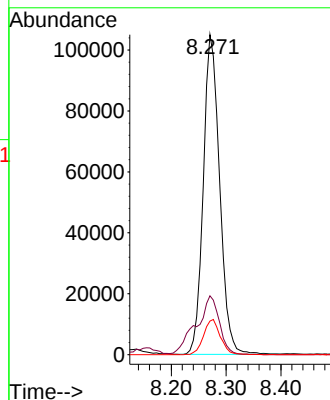
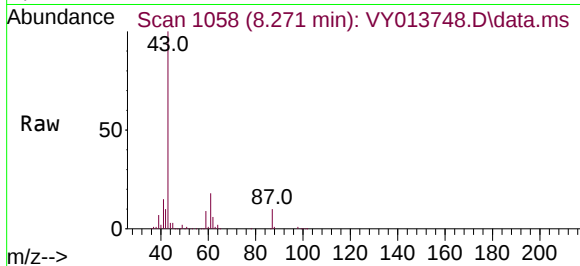


#43  
Isopropyl Acetate  
Concen: 53.443 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. 0.001 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 217327

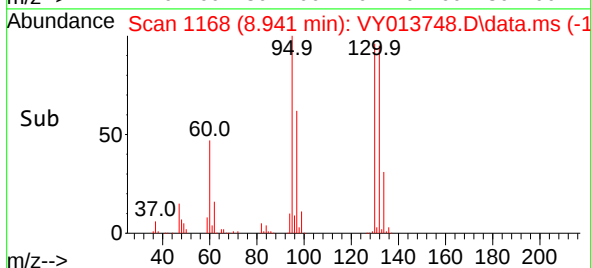
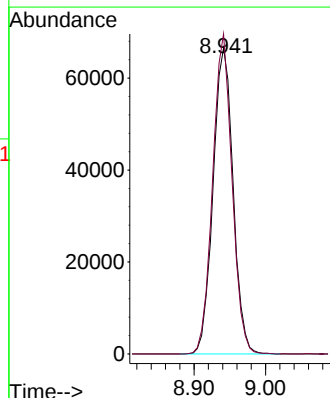
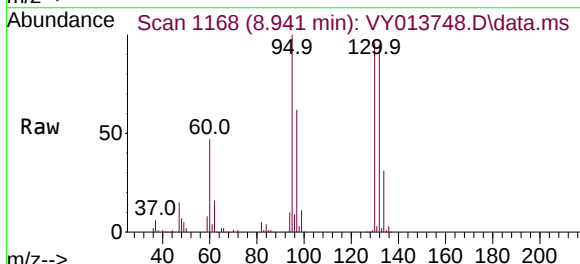
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 26.1  | 22.2  | 33.4  |
| 87  | 11.3  | 11.0  | 16.6  |

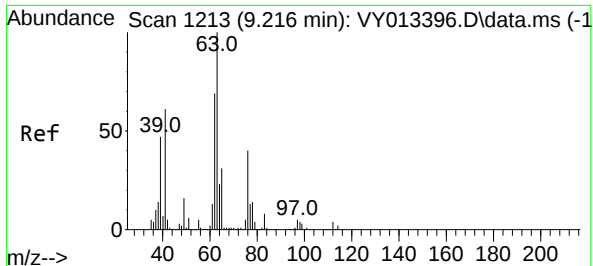


#44  
Trichloroethene  
Concen: 53.945 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 130 Resp: 129406

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 104.5 | 0.0   | 188.8 |





#45

1,2-Dichloropropane

Concen: 59.094 ug/l

RT: 9.215 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

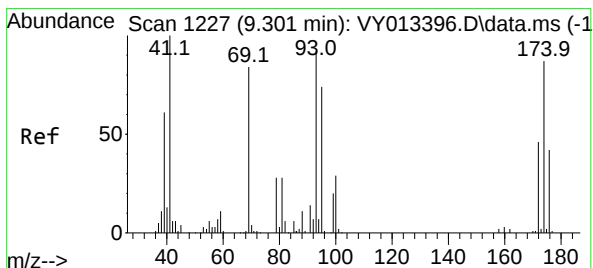
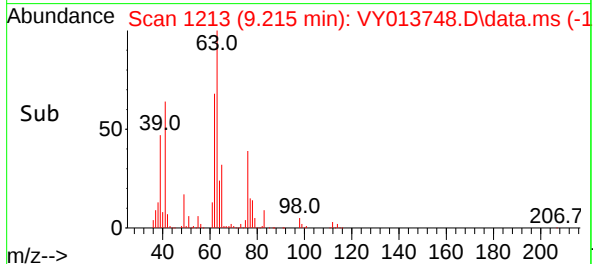
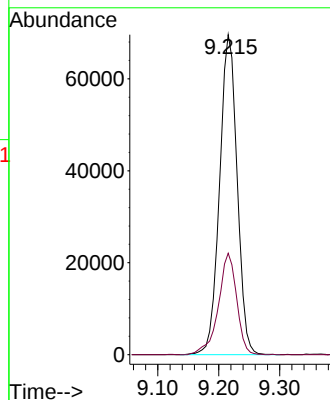
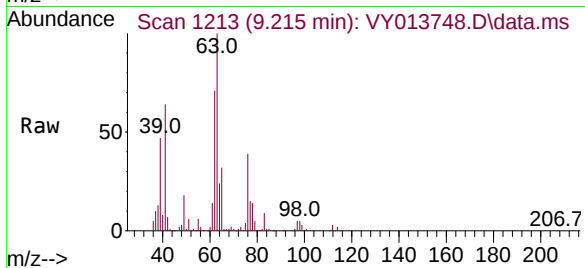
VSTDCCC050EC

Tgt Ion: 63 Resp: 139340

Ion Ratio Lower Upper

63 100

65 31.7 24.6 37.0



#46

Dibromomethane

Concen: 54.620 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

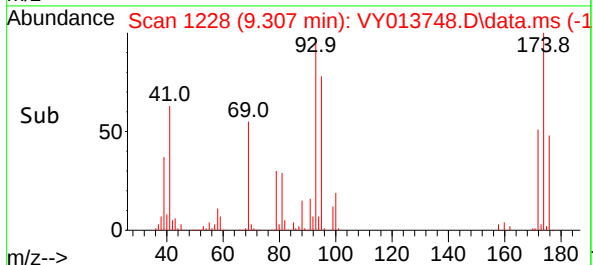
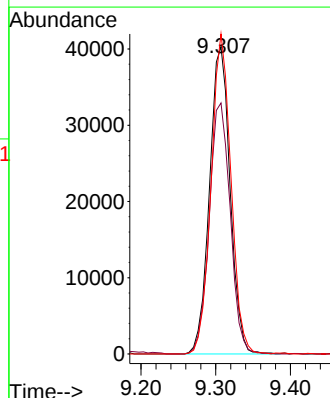
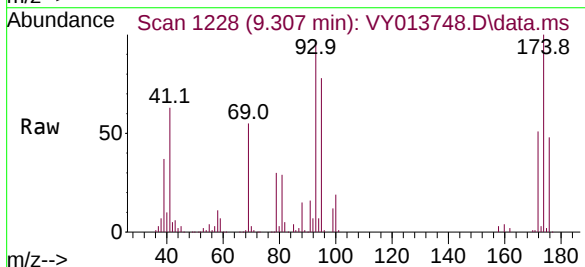
Tgt Ion: 93 Resp: 77061

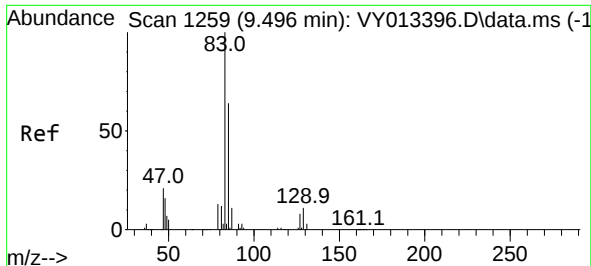
Ion Ratio Lower Upper

93 100

95 83.1 67.1 100.7

174 100.5 87.0 130.4





#47

Bromodichloromethane

Concen: 59.221 ug/l

RT: 9.496 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

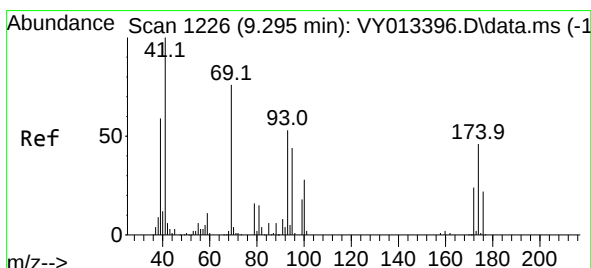
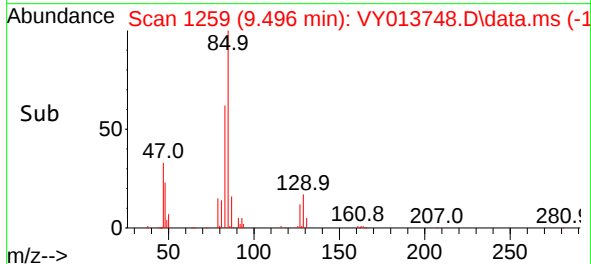
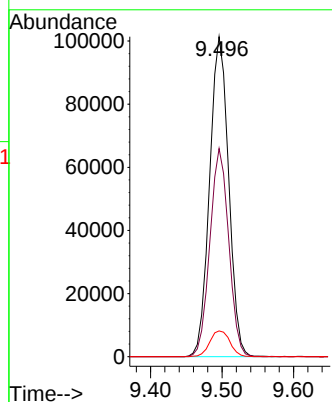
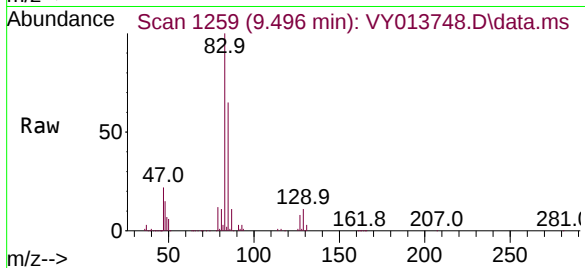
Tgt Ion: 83 Resp: 186957

Ion Ratio Lower Upper

83 100

85 65.1 51.4 77.2

127 8.1 8.1 12.1#



#48

Methyl methacrylate

Concen: 53.041 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.006 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

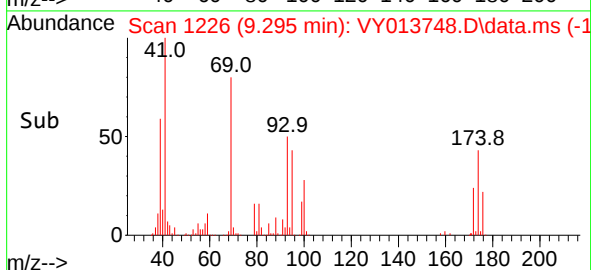
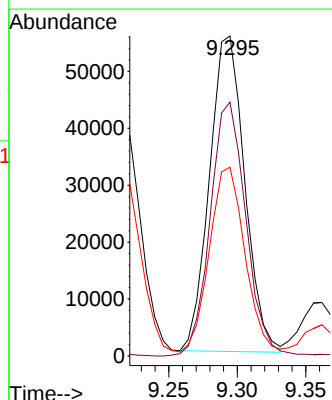
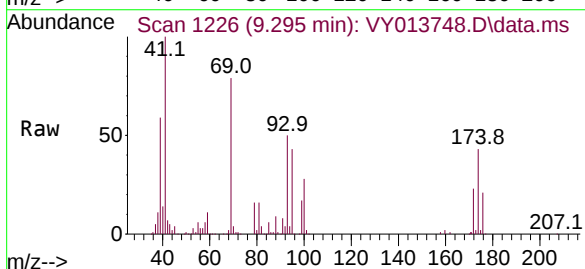
Tgt Ion: 41 Resp: 99060

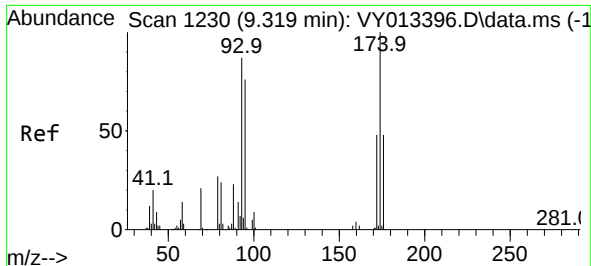
Ion Ratio Lower Upper

41 100

69 81.8 70.2 105.4

39 59.0 47.9 71.9





#49

1,4-Dioxane

Concen: 964.920 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

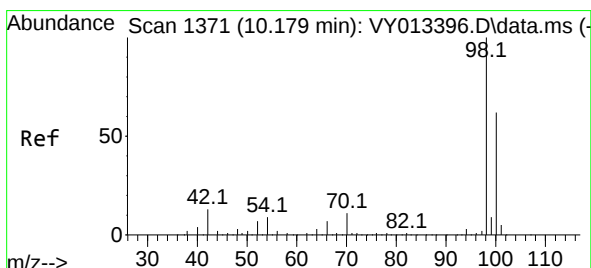
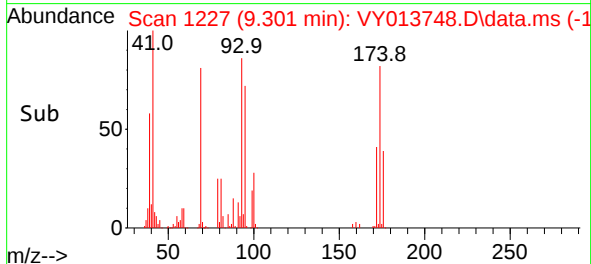
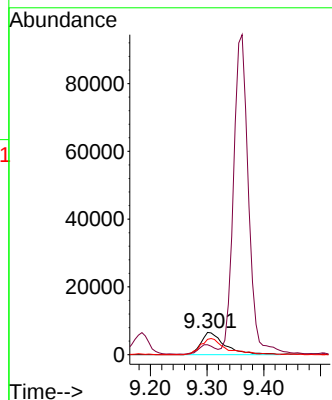
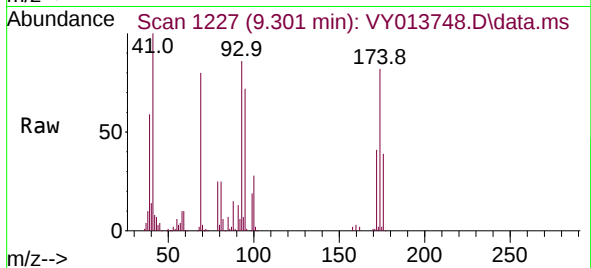
Tgt Ion: 88 Resp: 19443

Ion Ratio Lower Upper

88 100

43 28.6 16.8 25.2#

58 74.8 54.3 81.5



#50

Toluene-d8

Concen: 50.244 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013748.D

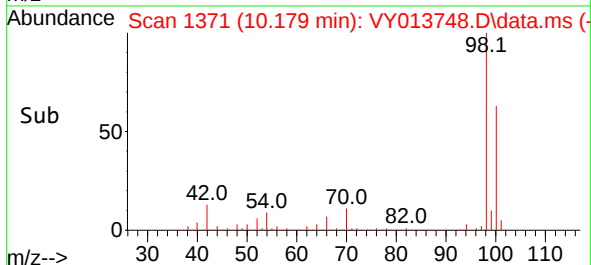
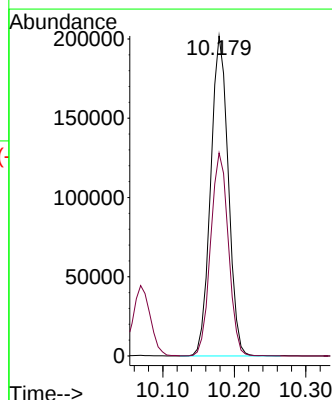
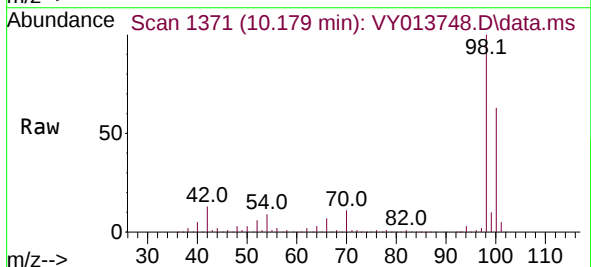
Acq: 15 May 2023 19:55

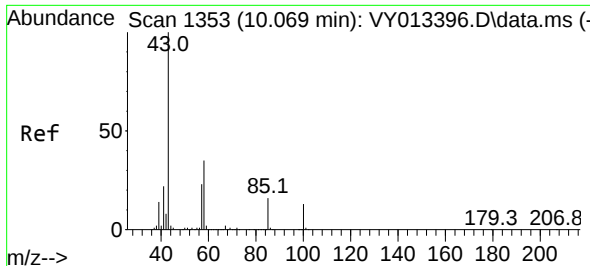
Tgt Ion: 98 Resp: 344795

Ion Ratio Lower Upper

98 100

100 64.0 50.5 75.7

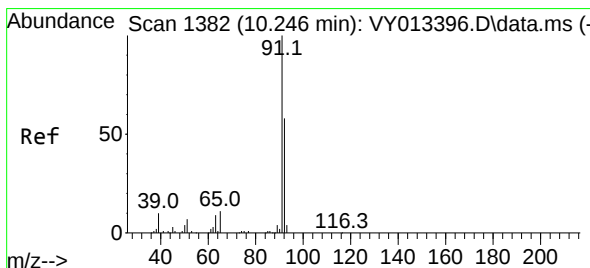
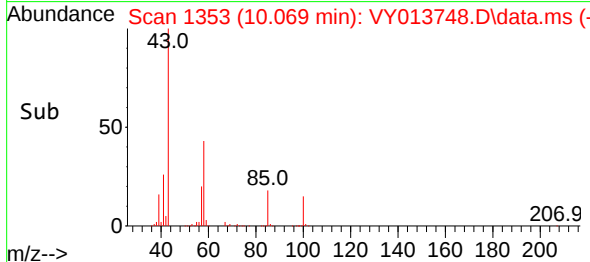
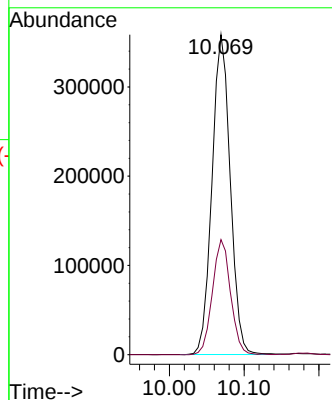
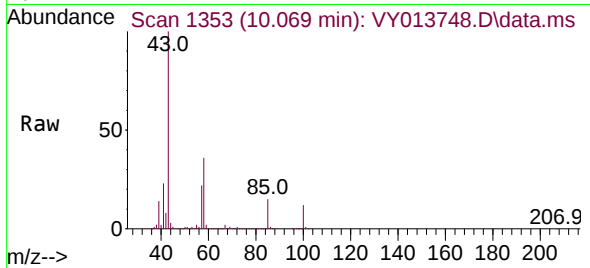




#51  
4-Methyl-2-Pentanone  
Concen: 268.021 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. -0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

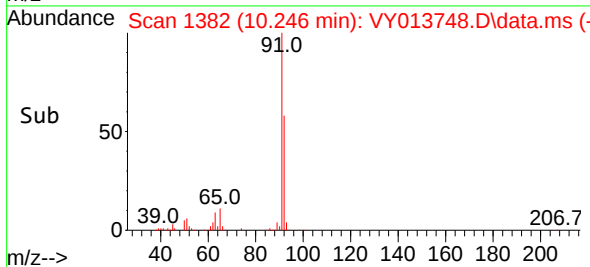
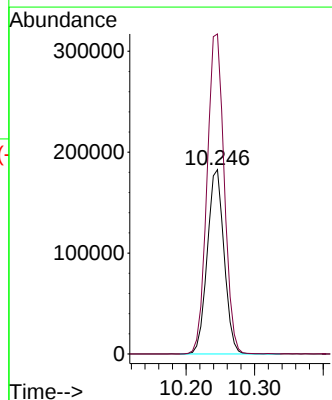
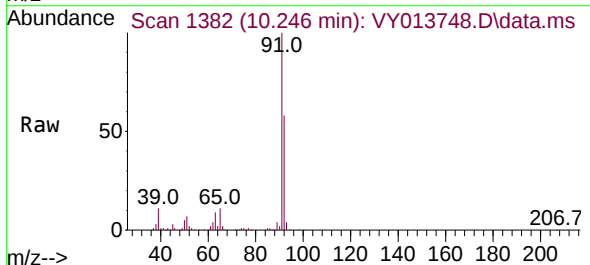
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

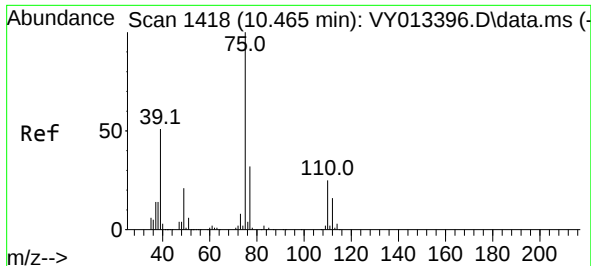
Tgt Ion: 43 Resp: 607349  
Ion Ratio Lower Upper  
43 100  
58 35.8 30.6 46.0



#52  
Toluene  
Concen: 57.415 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. 0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 92 Resp: 311583  
Ion Ratio Lower Upper  
92 100  
91 177.1 140.2 210.4

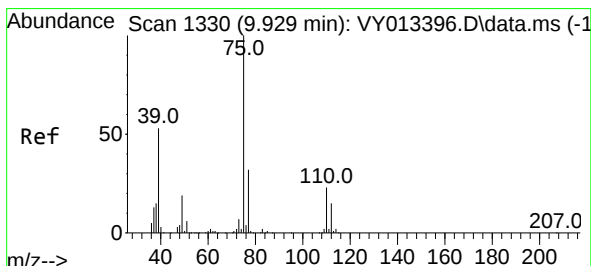
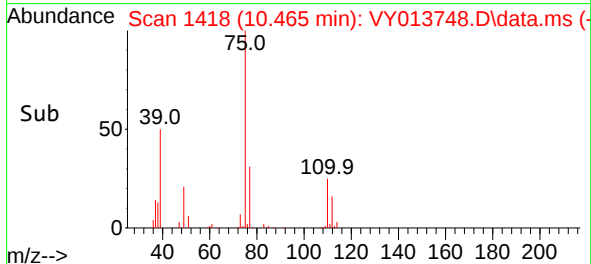
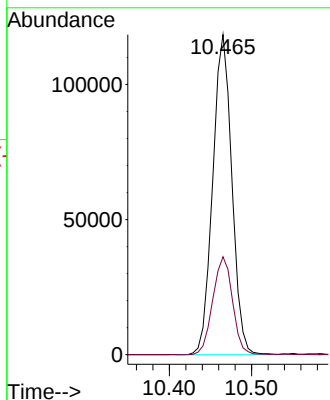
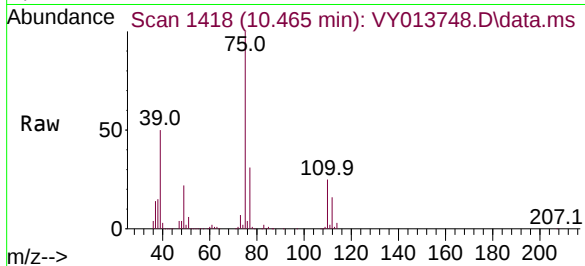




#53  
t-1,3-Dichloropropene  
Concen: 57.288 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

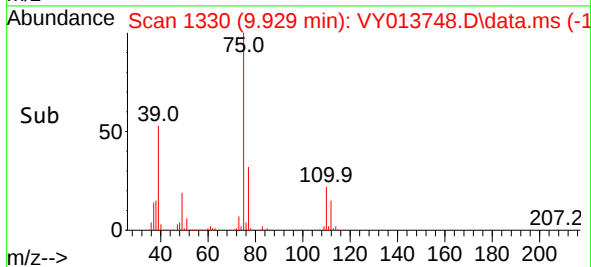
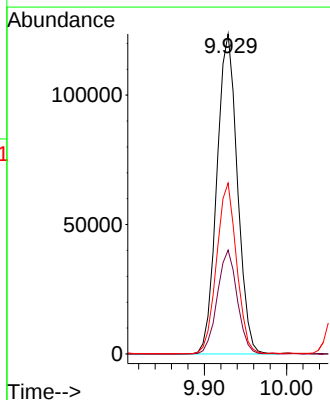
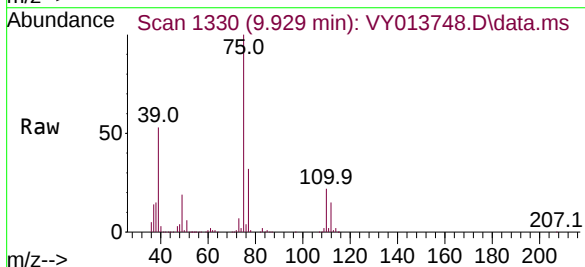
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

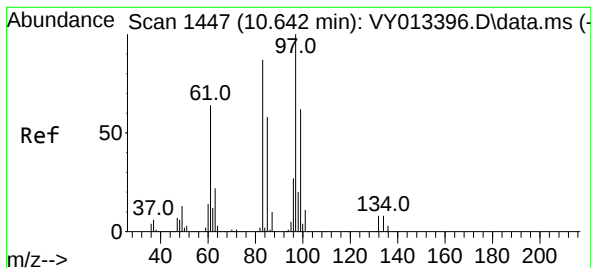
Tgt Ion: 75 Resp: 191406  
Ion Ratio Lower Upper  
75 100  
77 30.6 25.8 38.8



#54  
cis-1,3-Dichloropropene  
Concen: 56.972 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 75 Resp: 214188  
Ion Ratio Lower Upper  
75 100  
77 32.5 24.8 37.2  
39 53.3 38.1 57.1

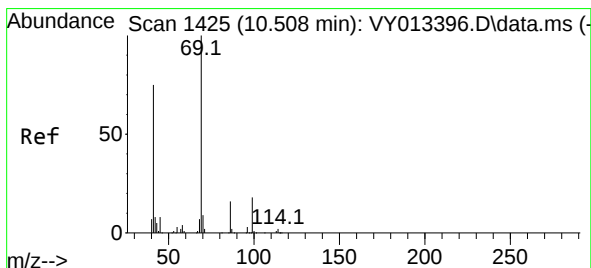
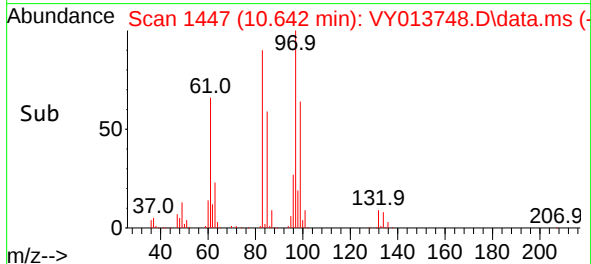
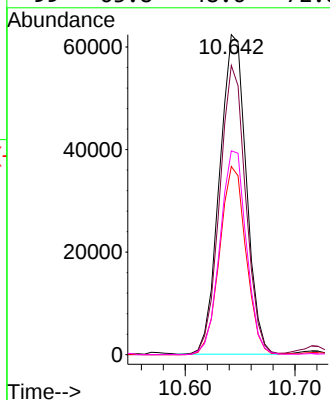
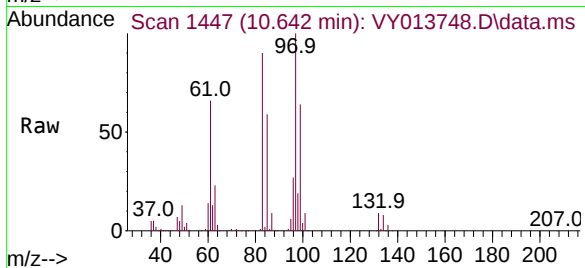




#55  
1,1,2-Trichloroethane  
Concen: 56.381 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

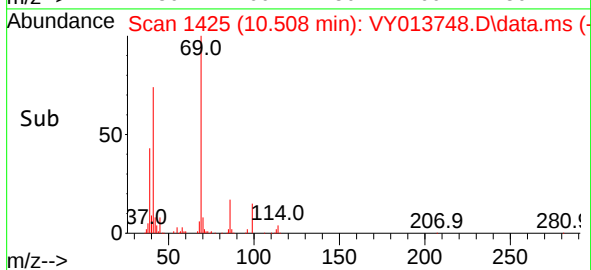
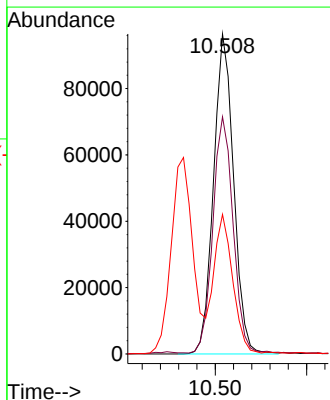
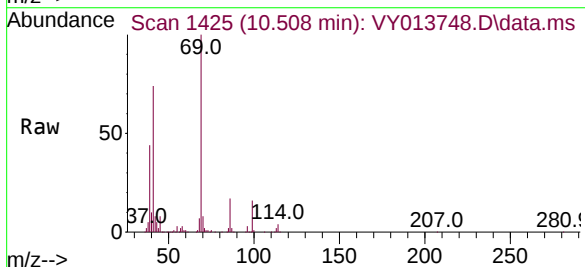
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

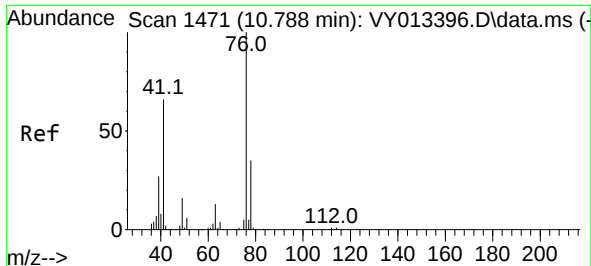
|             |              |
|-------------|--------------|
| Tgt Ion: 97 | Resp: 105341 |
| Ion Ratio   | Lower Upper  |
| 97 100      |              |
| 83 90.6     | 66.4 99.6    |
| 85 58.9     | 45.6 68.4    |
| 99 63.8     | 48.6 72.8    |



#56  
Ethyl methacrylate  
Concen: 56.779 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 147177 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 75.1     | 51.4 77.0    |
| 39 40.5     | 29.0 43.6    |





#57

1,3-Dichloropropane

Concen: 57.384 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

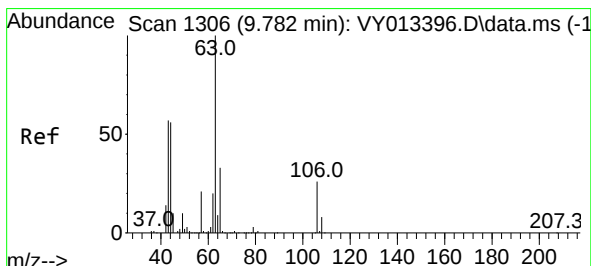
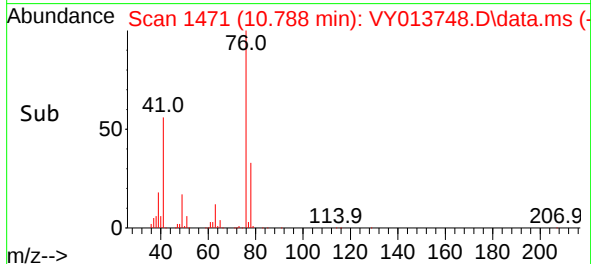
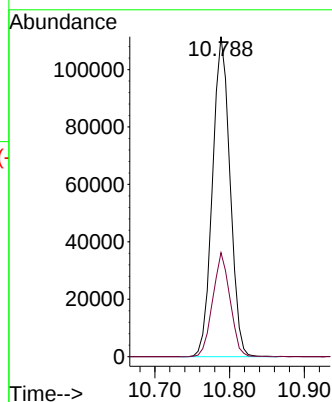
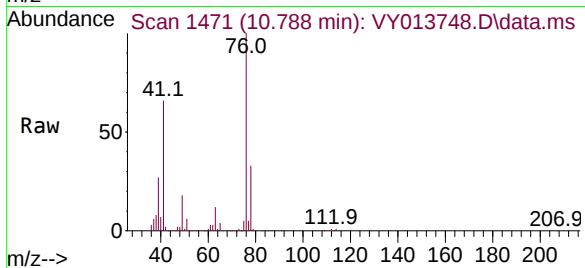
VSTDCCC050EC

Tgt Ion: 76 Resp: 181580

Ion Ratio Lower Upper

76 100

78 32.1 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 250.443 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY013748.D

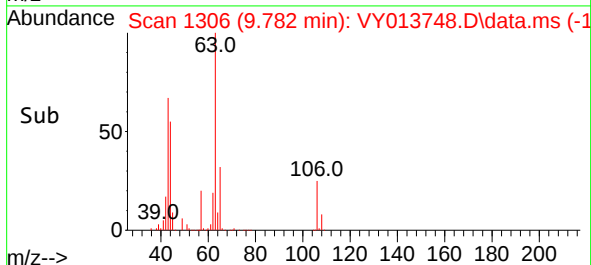
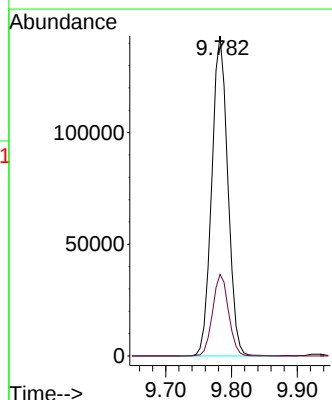
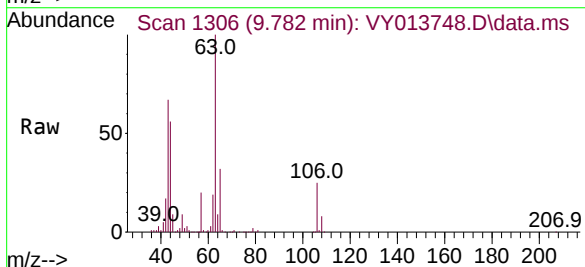
Acq: 15 May 2023 19:55

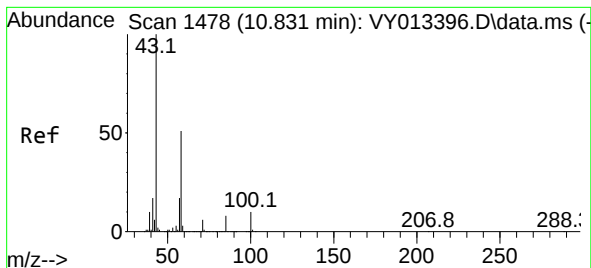
Tgt Ion: 63 Resp: 243429

Ion Ratio Lower Upper

63 100

106 25.2 23.5 35.3

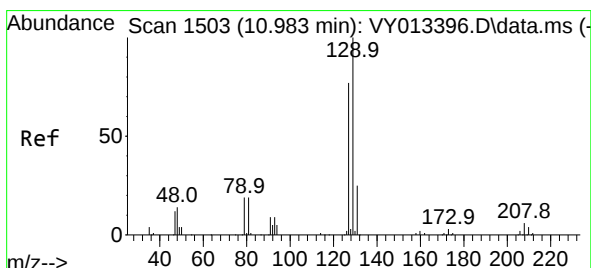
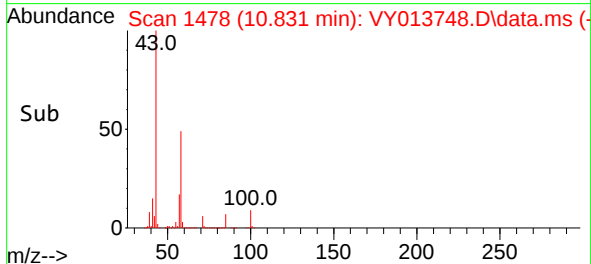
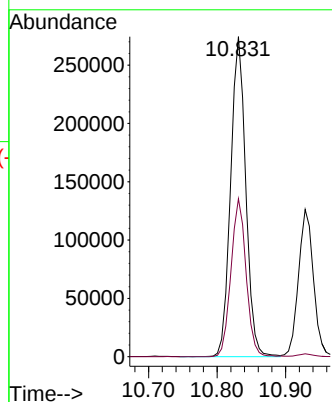
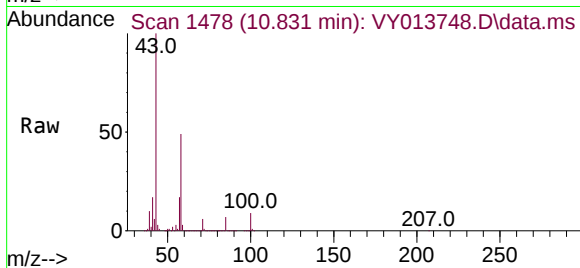




#59  
2-Hexanone  
Concen: 254.767 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

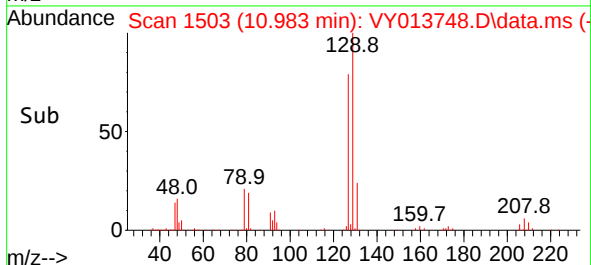
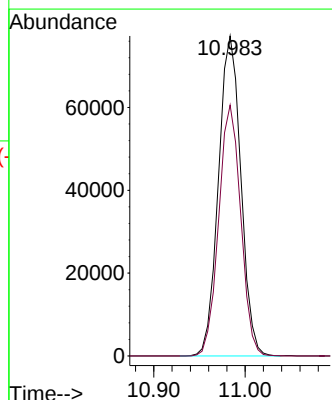
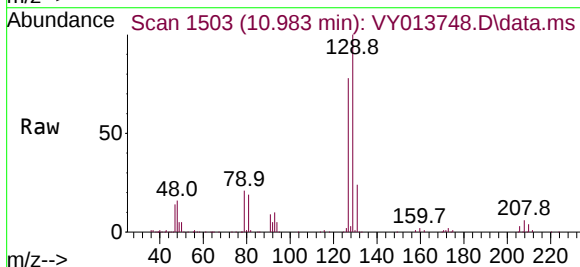
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

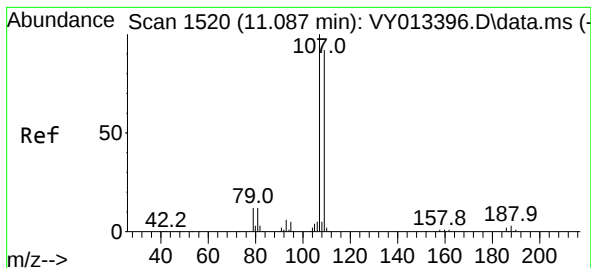
Tgt Ion: 43 Resp: 419662  
Ion Ratio Lower Upper  
43 100  
58 49.4 26.3 78.8



#60  
Dibromochloromethane  
Concen: 58.073 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 129 Resp: 131747  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.7 116.1

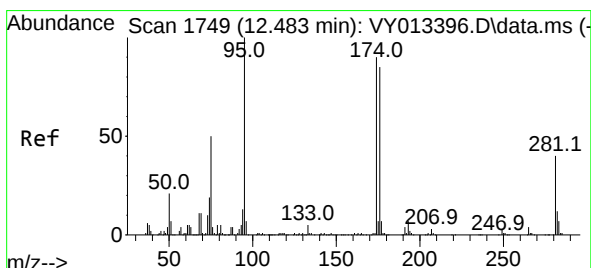
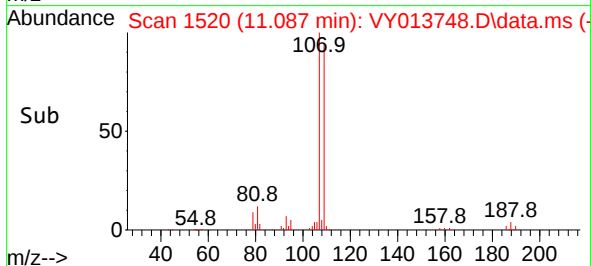
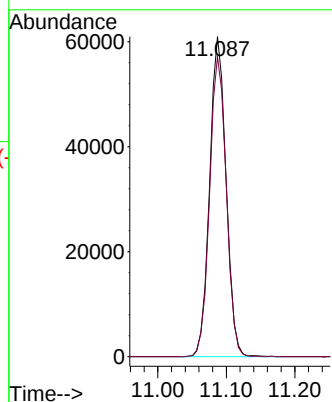
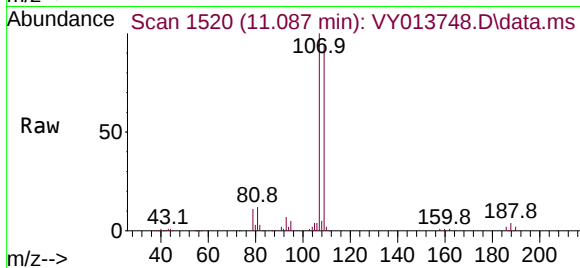




#61  
1,2-Dibromoethane  
Concen: 55.369 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

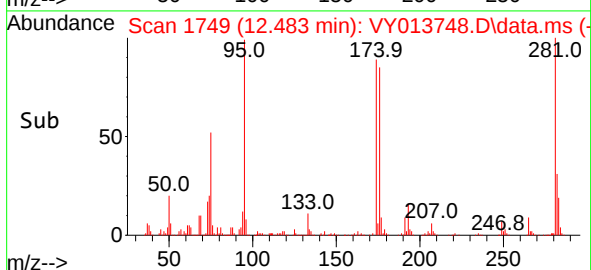
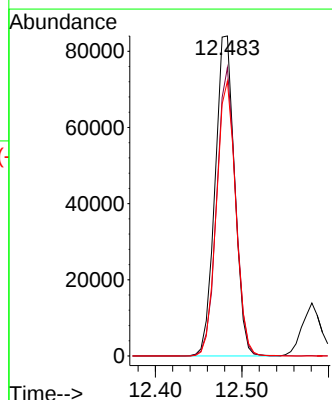
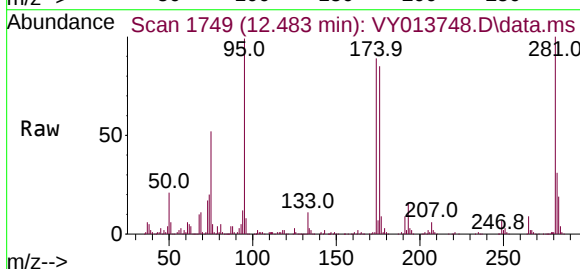
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

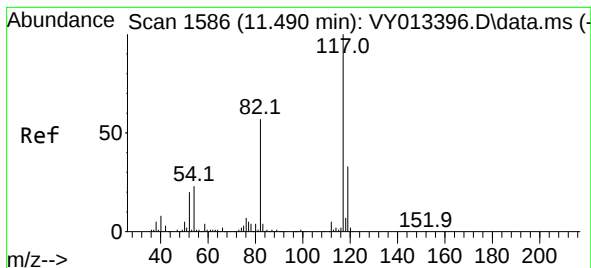
Tgt Ion:107 Resp: 101709  
Ion Ratio Lower Upper  
107 100  
109 95.1 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 57.062 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 95 Resp: 132012  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 182.0  
176 84.6 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

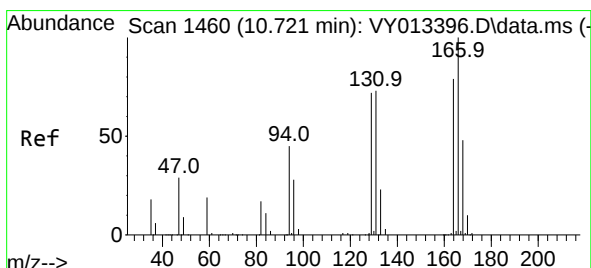
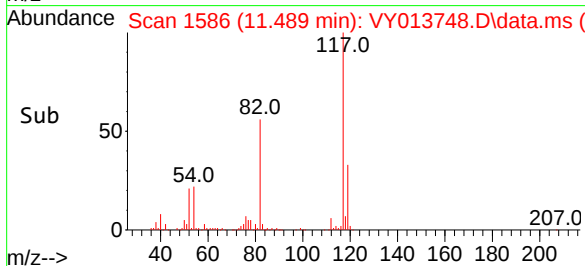
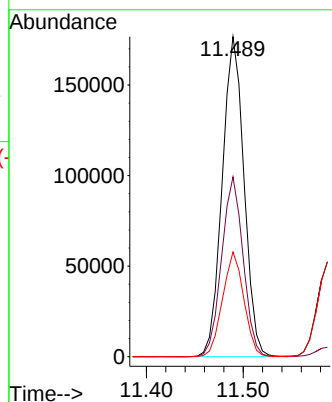
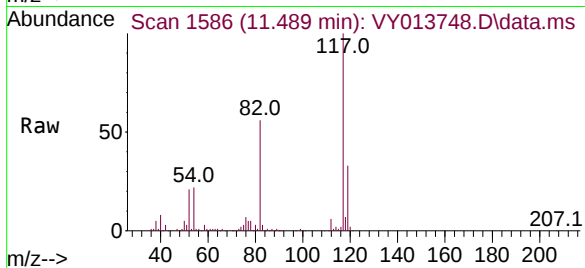
Tgt Ion:117 Resp: 276518

Ion Ratio Lower Upper

117 100

82 56.2 43.0 64.6

119 32.7 25.5 38.3



#64

Tetrachloroethene

Concen: 53.549 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Tgt Ion:164 Resp: 112595

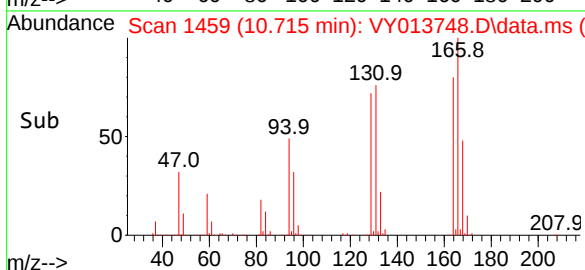
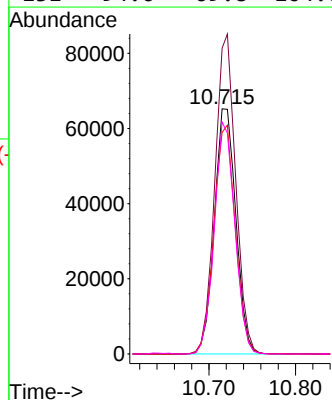
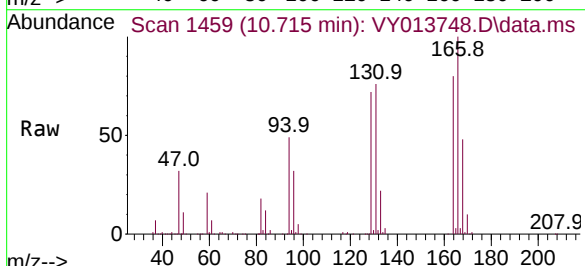
Ion Ratio Lower Upper

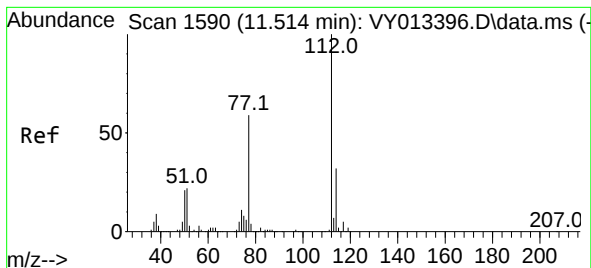
164 100

166 124.7 97.5 146.3

129 90.4 72.6 109.0

131 94.6 69.8 104.6





#65

Chlorobenzene

Concen: 54.968 ug/l

RT: 11.514 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

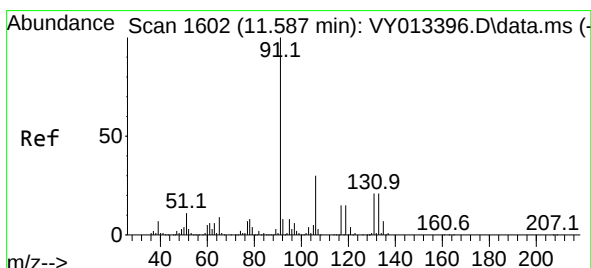
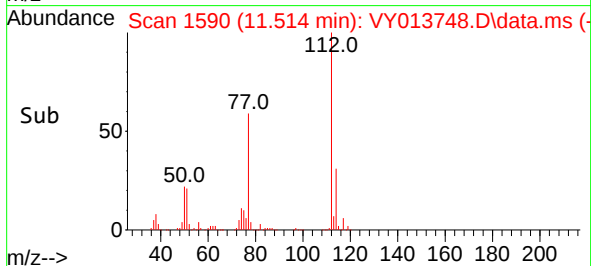
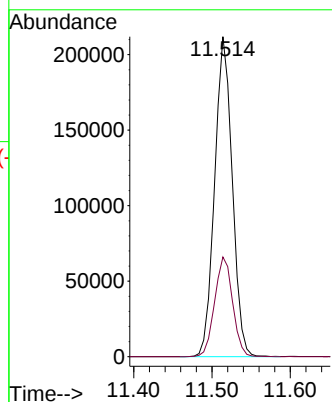
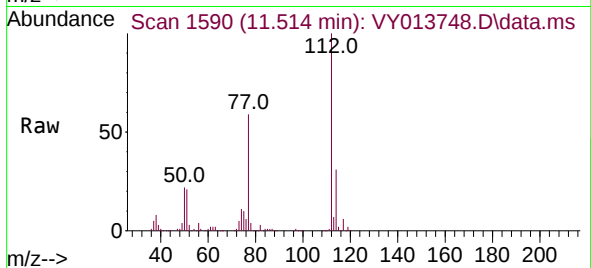
VSTDCCC050EC

Tgt Ion:112 Resp: 331107

Ion Ratio Lower Upper

112 100

114 31.2 24.9 37.3



#66

1,1,1,2-Tetrachloroethane

Concen: 57.694 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

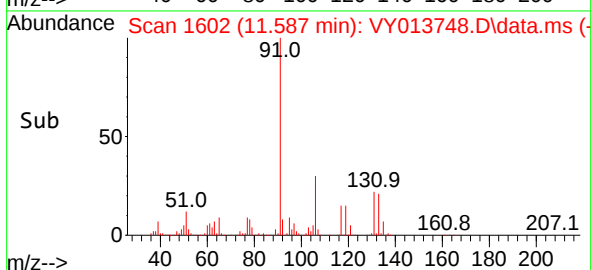
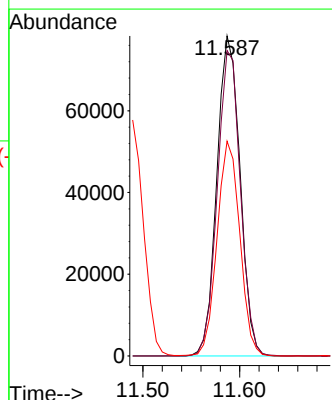
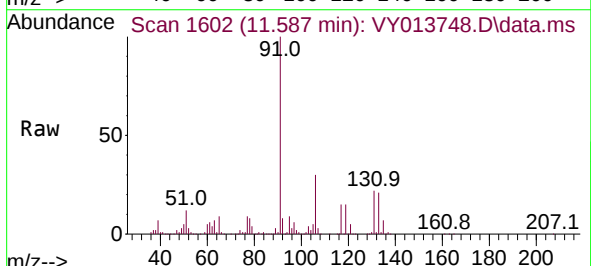
Tgt Ion:131 Resp: 129974

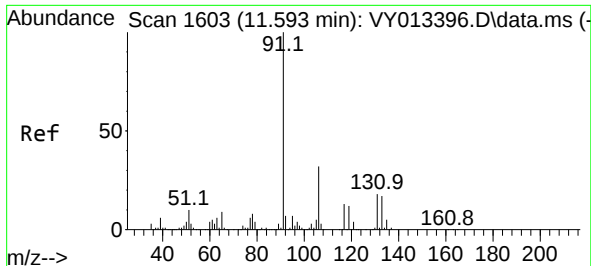
Ion Ratio Lower Upper

131 100

133 95.1 47.7 143.1

119 65.9 32.6 98.0

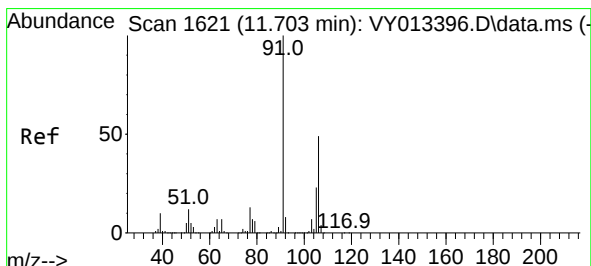
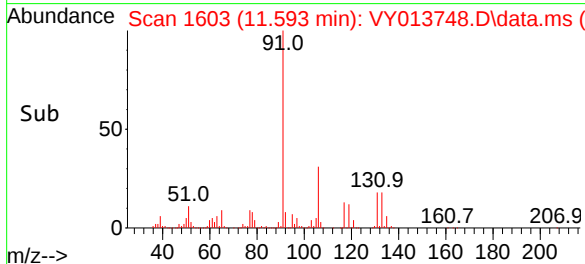
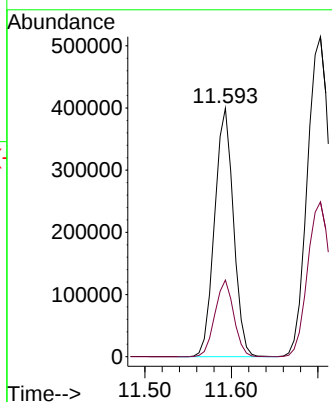
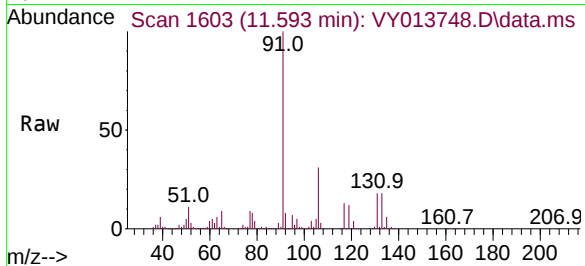




#67  
Ethyl Benzene  
Concen: 57.153 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

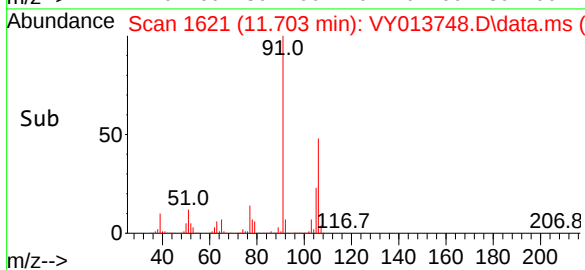
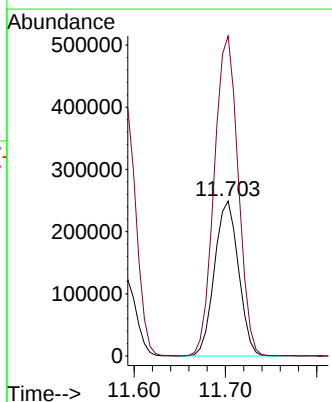
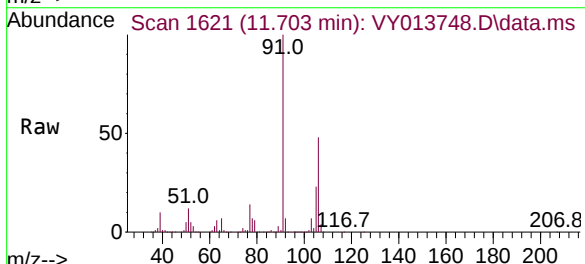
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

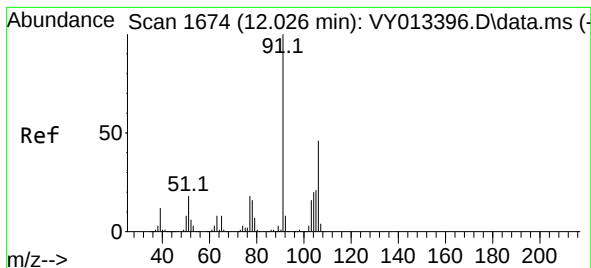
Tgt Ion: 91 Resp: 604534  
Ion Ratio Lower Upper  
91 100  
106 30.8 25.1 37.7



#68  
m/p-Xylenes  
Concen: 113.070 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion:106 Resp: 454664  
Ion Ratio Lower Upper  
106 100  
91 206.5 160.9 241.3

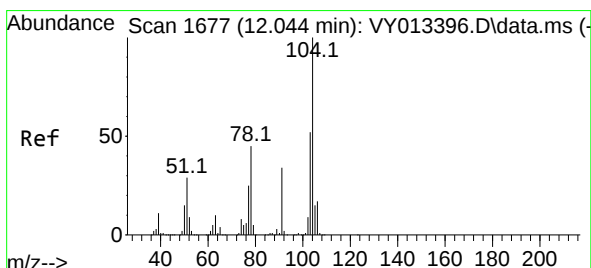
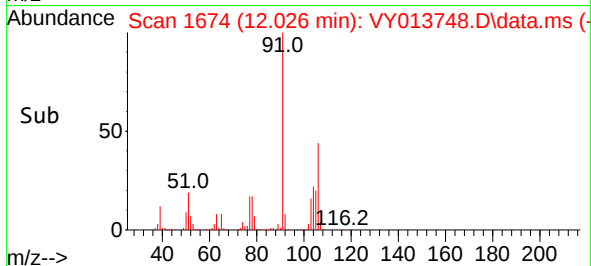
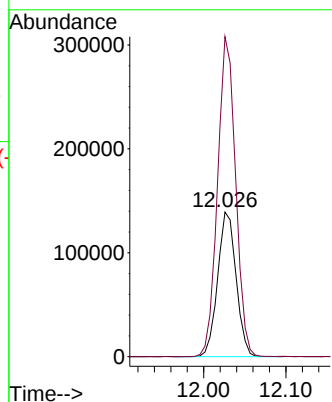
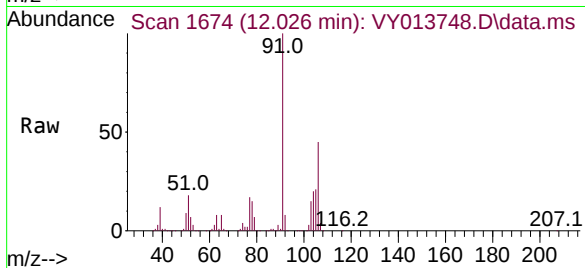




#69  
o-Xylene  
Concen: 57.050 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

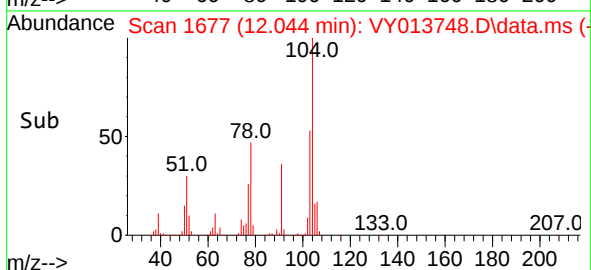
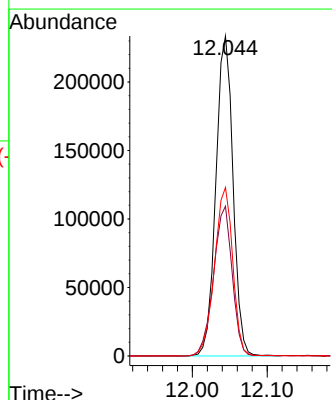
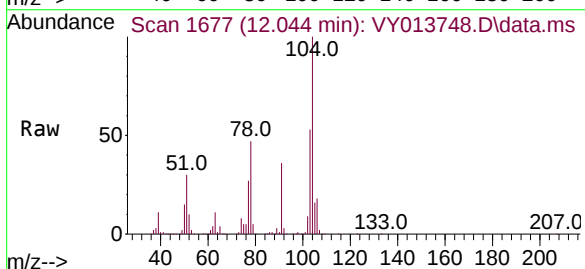
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

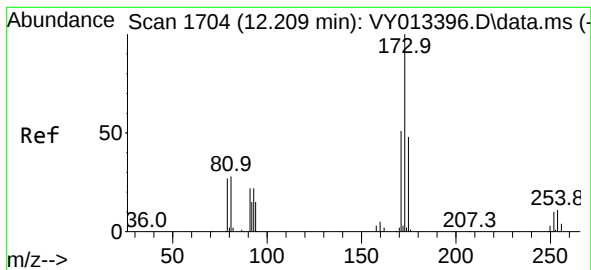
Tgt Ion:106 Resp: 216955  
Ion Ratio Lower Upper  
106 100  
91 217.2 105.5 316.4



#70  
Styrene  
Concen: 58.477 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion:104 Resp: 371832  
Ion Ratio Lower Upper  
104 100  
78 51.1 40.3 60.5  
103 56.3 45.0 67.4





#71

Bromoform

Concen: 55.761 ug/l

RT: 12.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

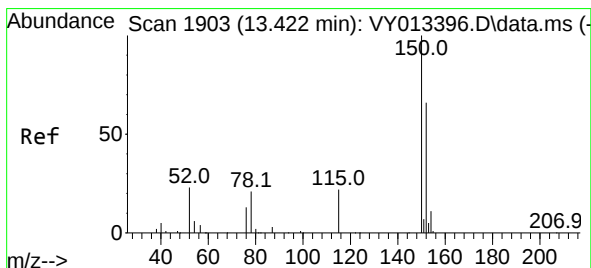
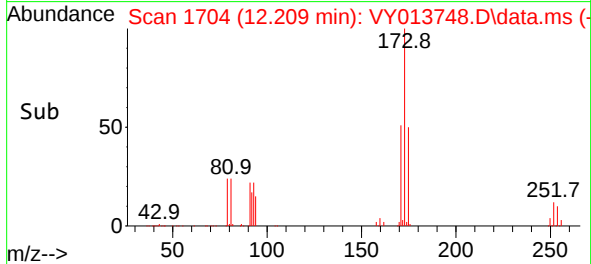
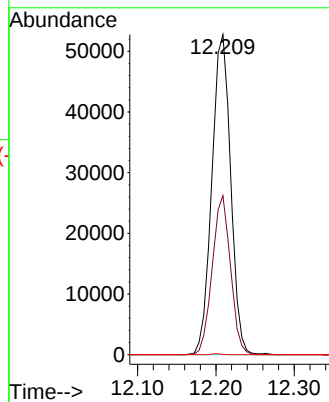
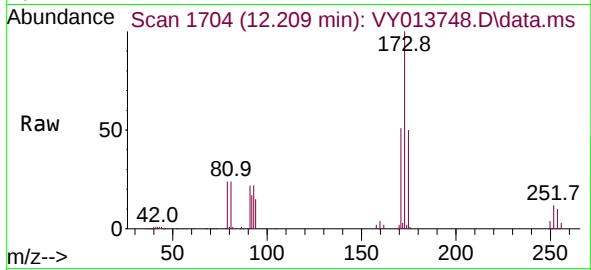
Tgt Ion:173 Resp: 87989

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

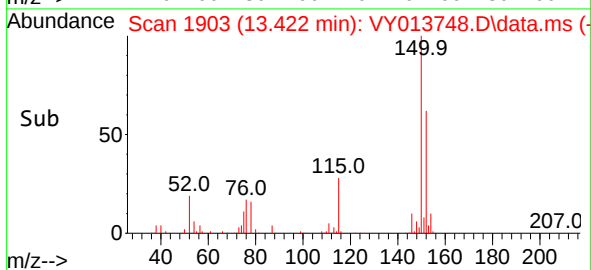
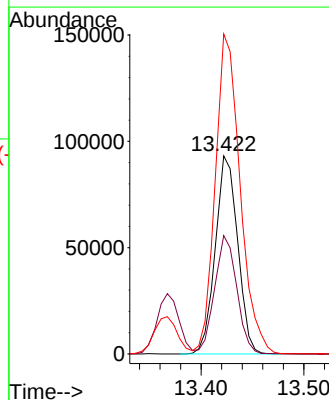
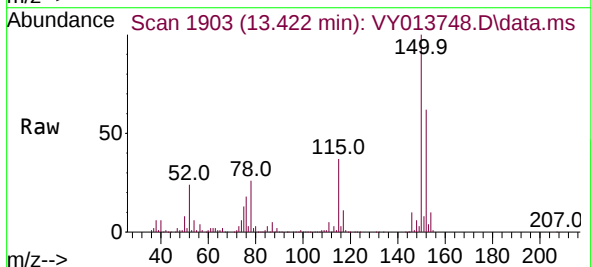
Tgt Ion:152 Resp: 140669

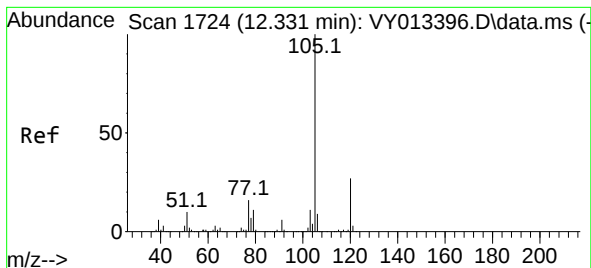
Ion Ratio Lower Upper

152 100

115 59.5 28.1 84.2

150 179.7 0.0 352.0





#73

Isopropylbenzene

Concen: 55.099 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

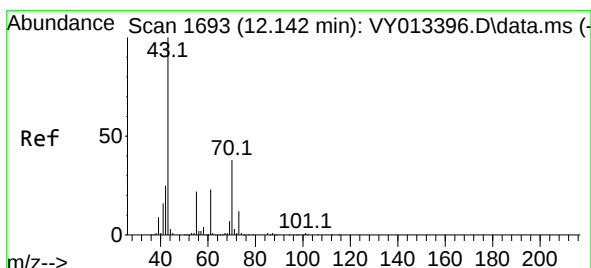
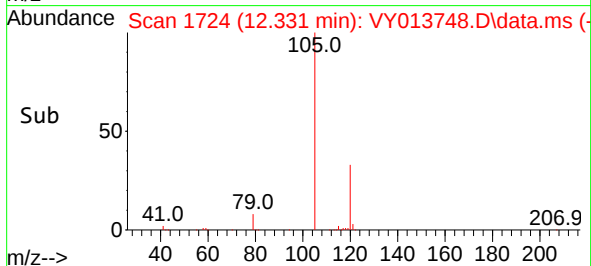
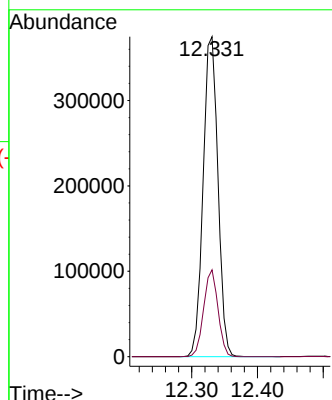
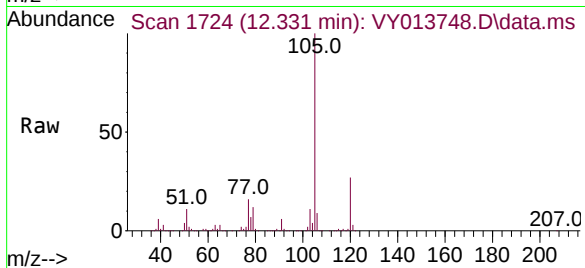
VSTDCCC050EC

Tgt Ion:105 Resp: 586234

Ion Ratio Lower Upper

105 100

120 26.2 13.7 41.0



#74

N-ethyl acetate

Concen: 51.979 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Tgt Ion: 43 Resp: 196804

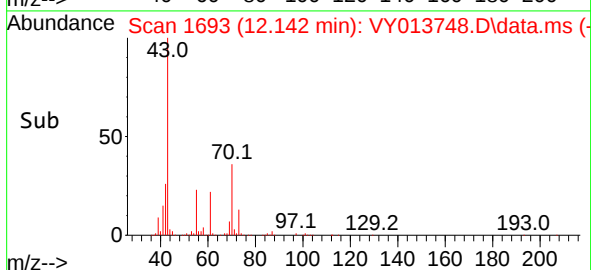
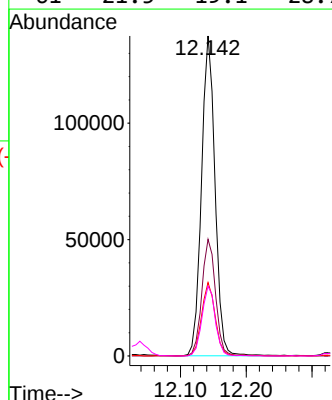
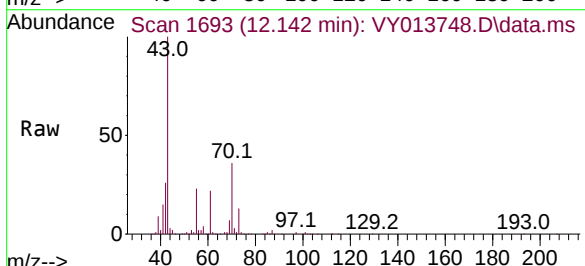
Ion Ratio Lower Upper

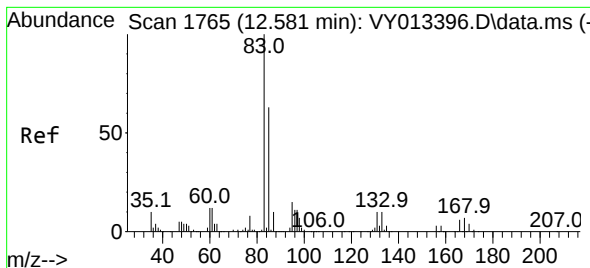
43 100

70 37.0 33.0 49.4

55 23.4 19.8 29.6

61 21.5 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.005 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

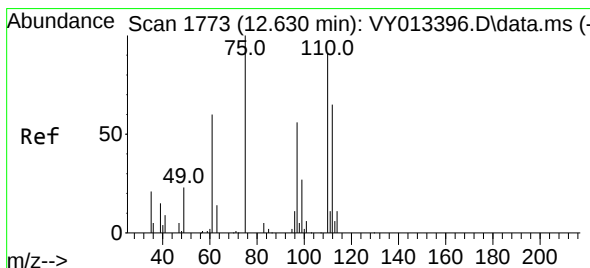
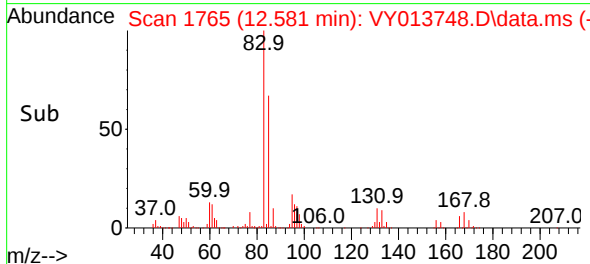
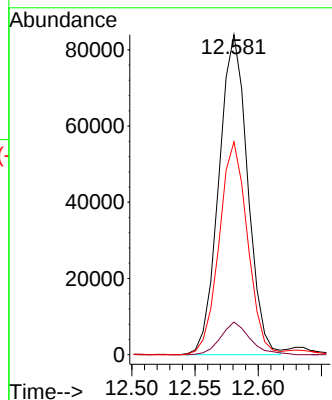
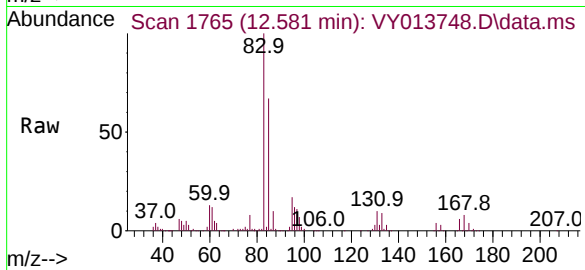
Tgt Ion: 83 Resp: 132644

Ion Ratio Lower Upper

83 100

131 10.3 5.7 17.0

85 65.5 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 89.614 ug/l

RT: 12.629 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY013748.D

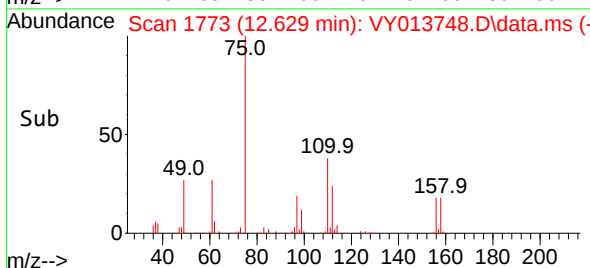
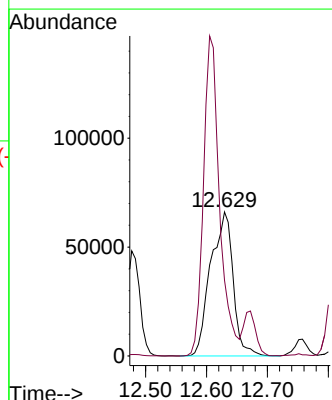
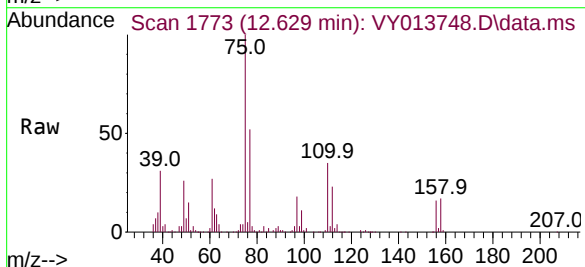
Acq: 15 May 2023 19:55

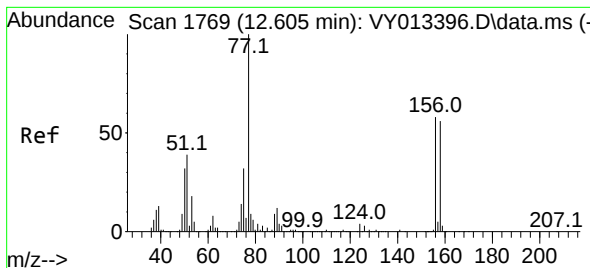
Tgt Ion: 75 Resp: 170005

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.405 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

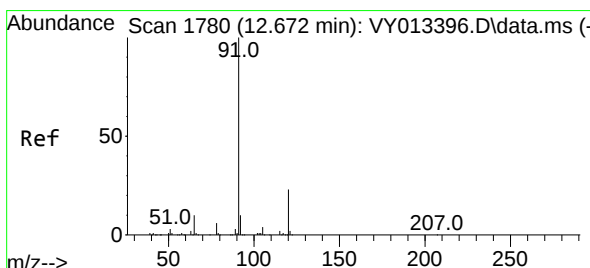
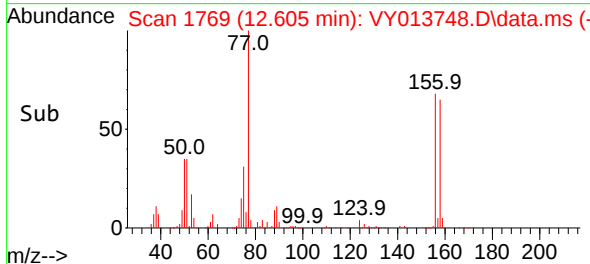
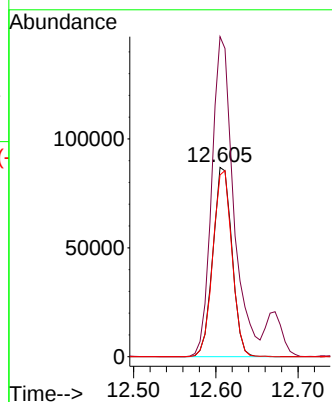
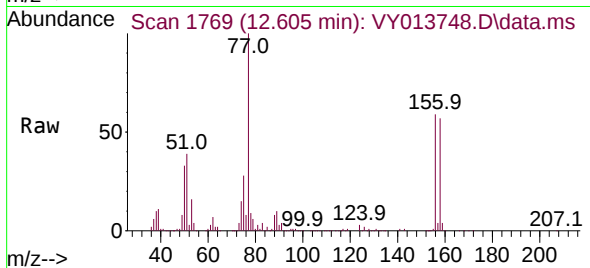
Tgt Ion:156 Resp: 140258

Ion Ratio Lower Upper

156 100

77 193.2 87.6 262.9

158 98.4 48.5 145.5



#78

n-propylbenzene

Concen: 55.411 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY013748.D

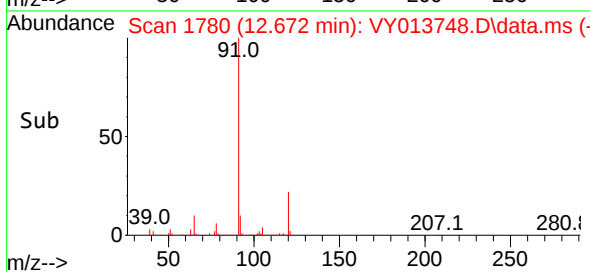
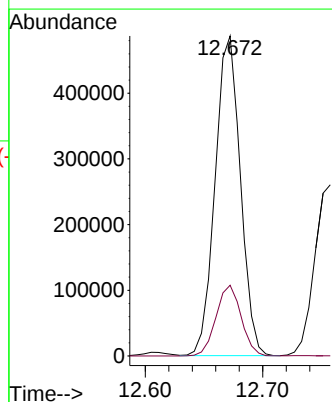
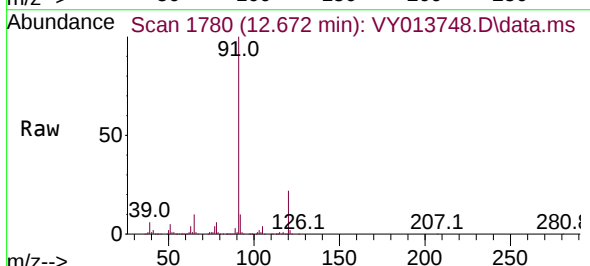
Acq: 15 May 2023 19:55

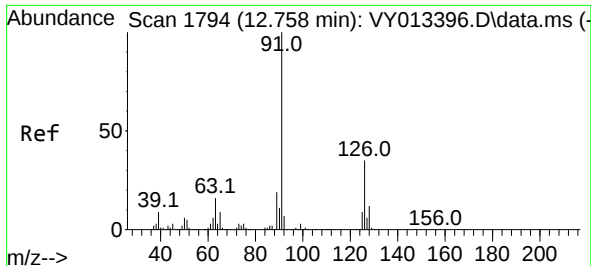
Tgt Ion: 91 Resp: 726179

Ion Ratio Lower Upper

91 100

120 22.0 11.9 35.9

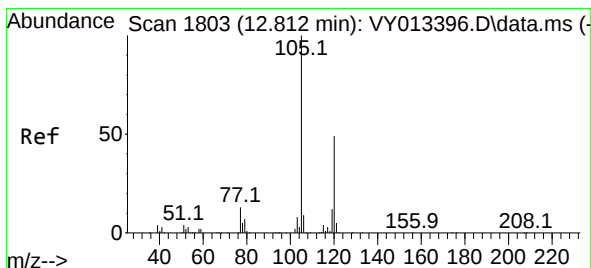
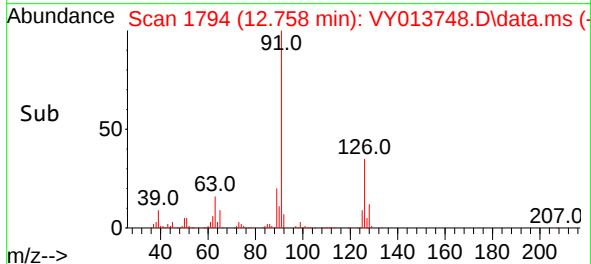
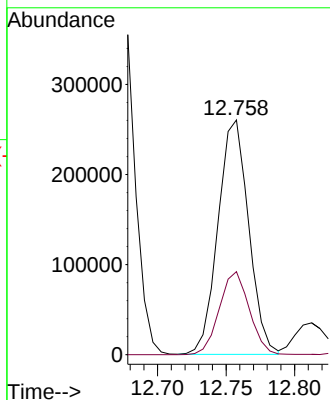
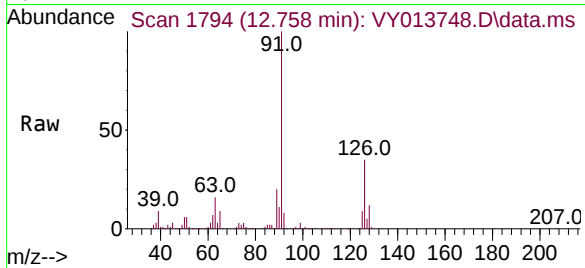




#79  
2-Chlorotoluene  
Concen: 55.373 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. 0.001 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

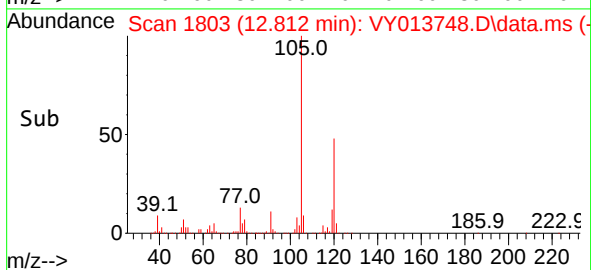
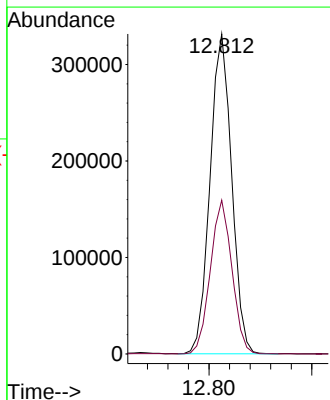
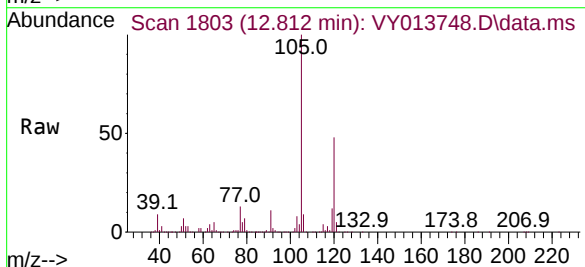
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

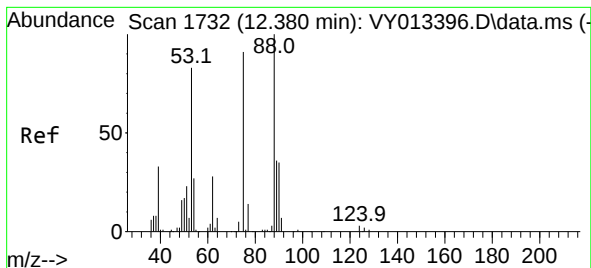
Tgt Ion: 91 Resp: 405241  
Ion Ratio Lower Upper  
91 100  
126 34.7 17.8 53.4



#80  
1,3,5-Trimethylbenzene  
Concen: 55.627 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 105 Resp: 483071  
Ion Ratio Lower Upper  
105 100  
120 47.9 24.7 74.1

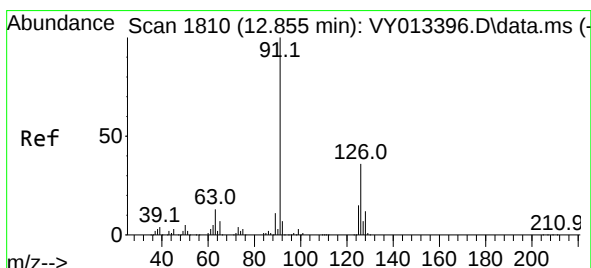
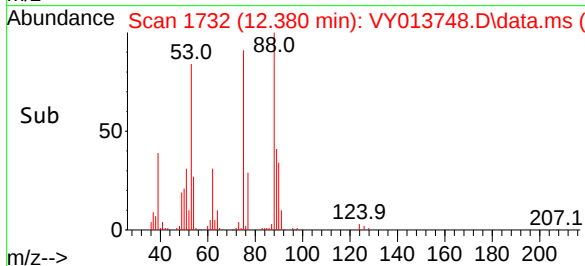
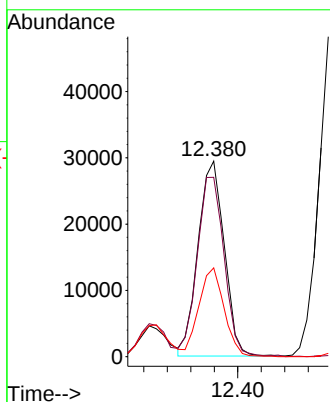
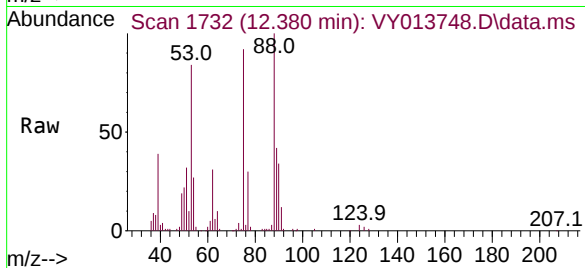




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.226 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. 0.001 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

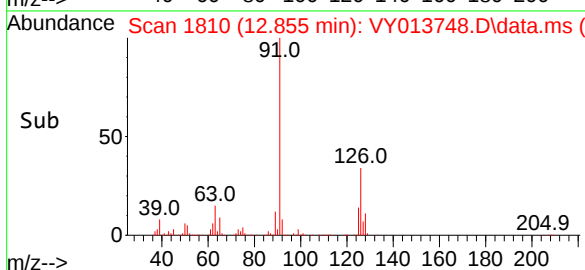
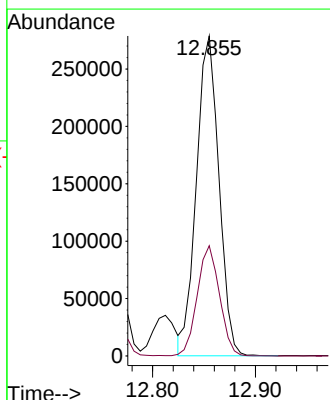
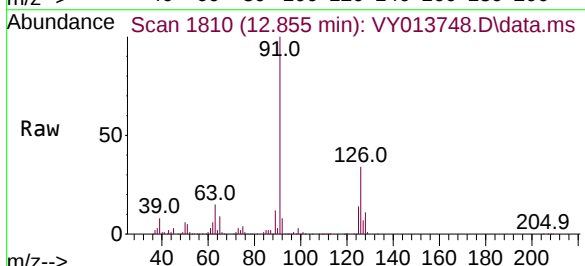
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

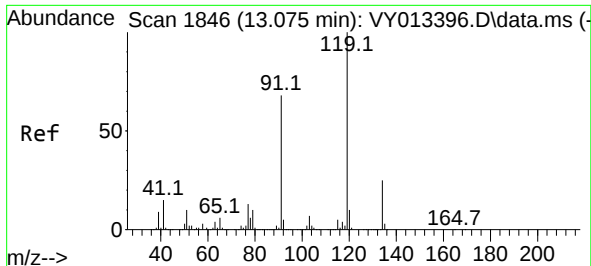
Tgt Ion: 75 Resp: 45653  
Ion Ratio Lower Upper  
75 100  
53 94.4 73.2 109.8  
89 43.7 38.0 57.0



#82  
4-Chlorotoluene  
Concen: 55.654 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion: 91 Resp: 424517  
Ion Ratio Lower Upper  
91 100  
126 34.1 17.9 53.8

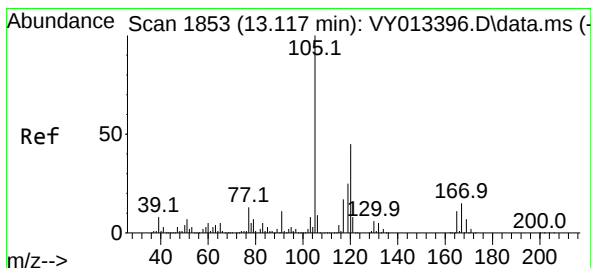
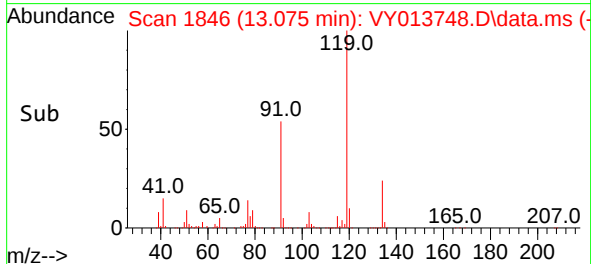
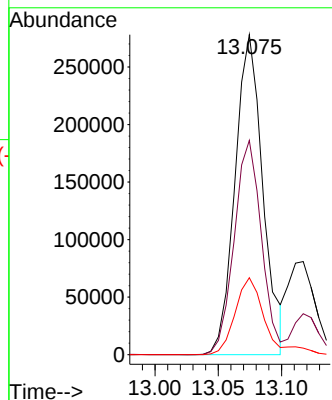
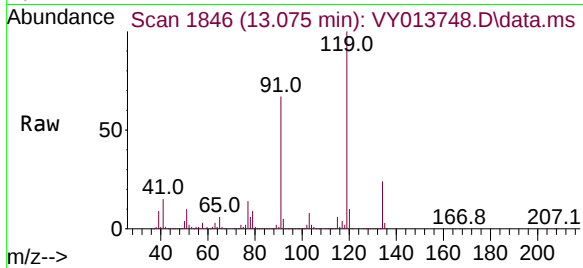




#83  
tert-Butylbenzene  
Concen: 56.666 ug/l  
RT: 13.075 min Scan# 1846  
Delta R.T. 0.001 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

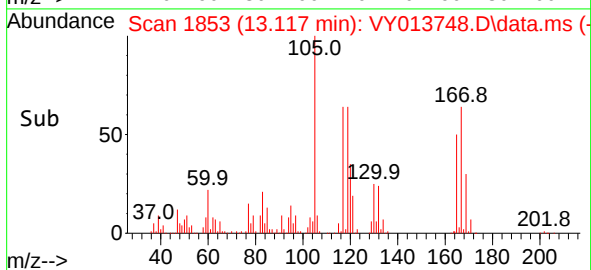
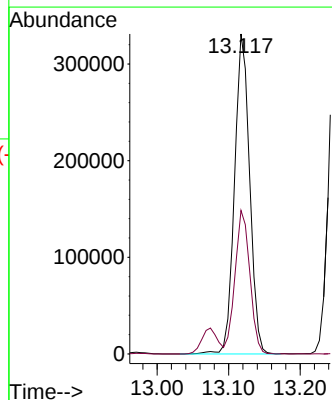
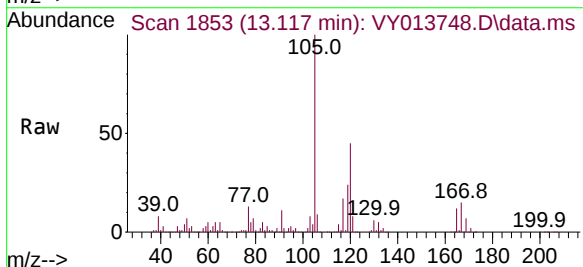
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

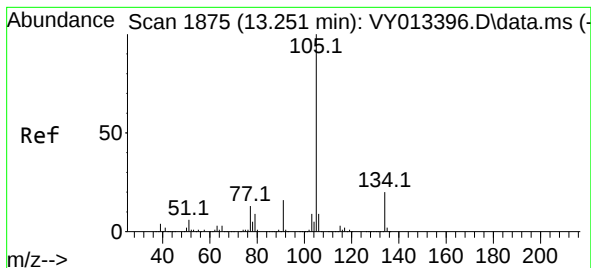
Tgt Ion:119 Resp: 426332  
Ion Ratio Lower Upper  
119 100  
91 65.5 32.2 96.6  
134 25.8 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 57.520 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion:105 Resp: 485642  
Ion Ratio Lower Upper  
105 100  
120 44.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 56.135 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

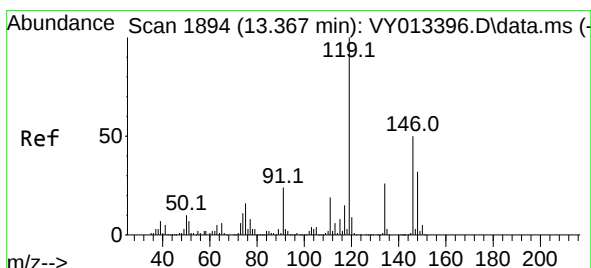
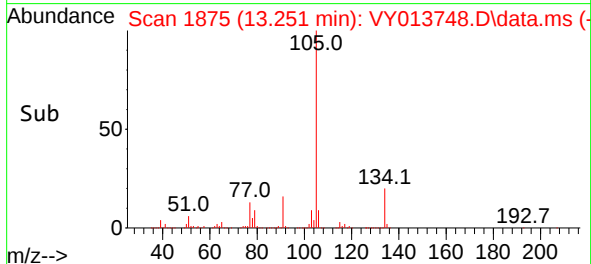
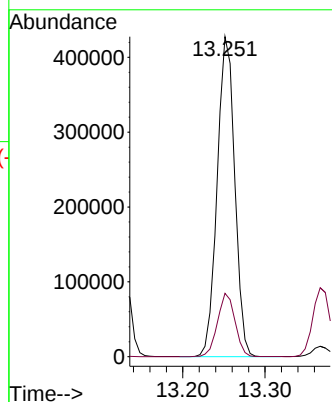
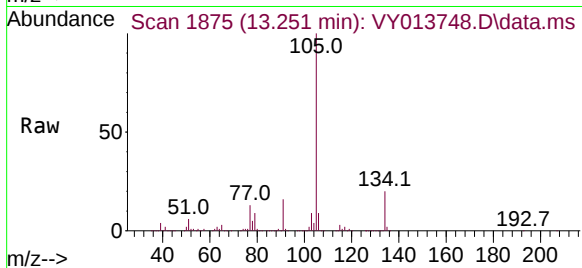
VSTDCCC050EC

Tgt Ion:105 Resp: 633851

Ion Ratio Lower Upper

105 100

134 19.8 10.3 30.9



#86

p-Isopropyltoluene

Concen: 57.069 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

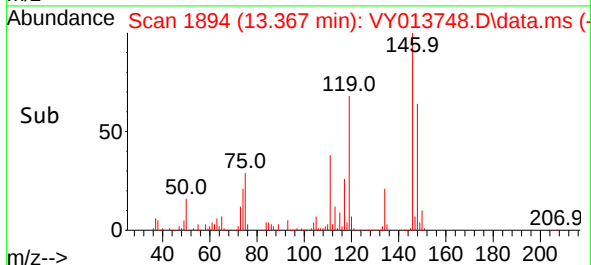
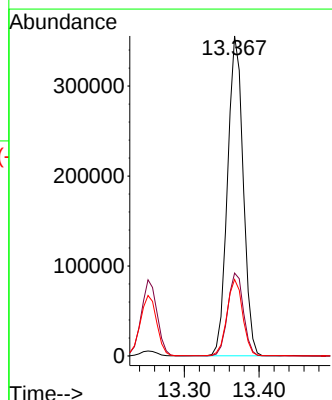
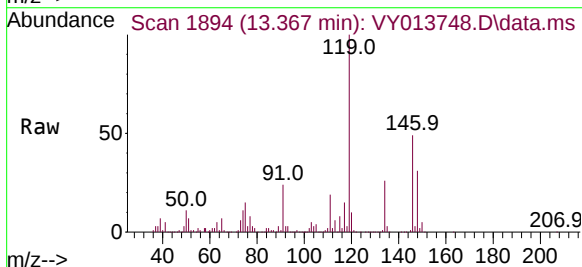
Tgt Ion:119 Resp: 518202

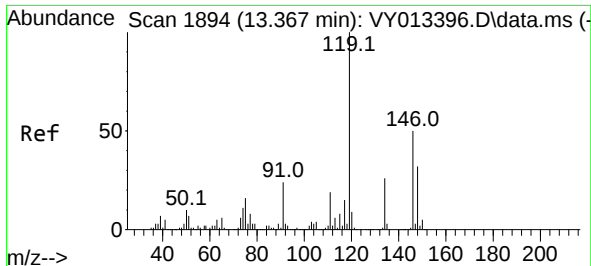
Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.2

91 23.9 12.1 36.3

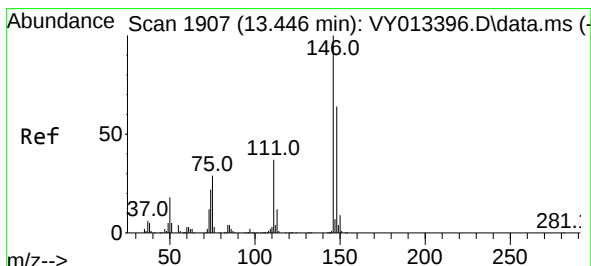
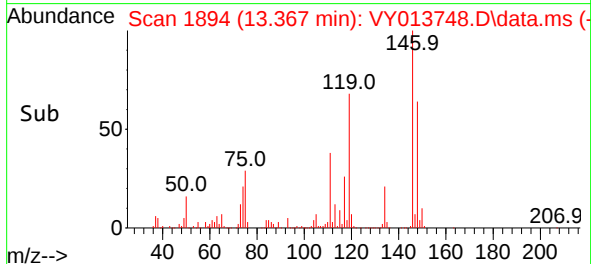
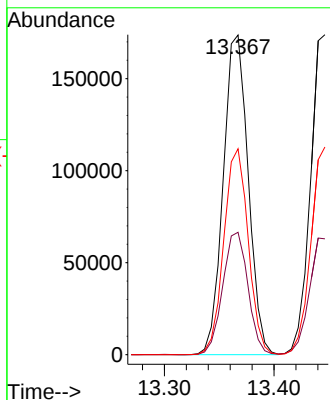
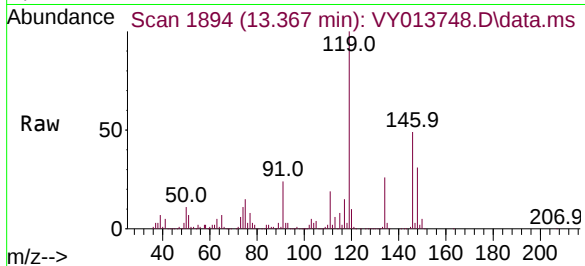




#87  
1,3-Dichlorobenzene  
Concen: 55.955 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

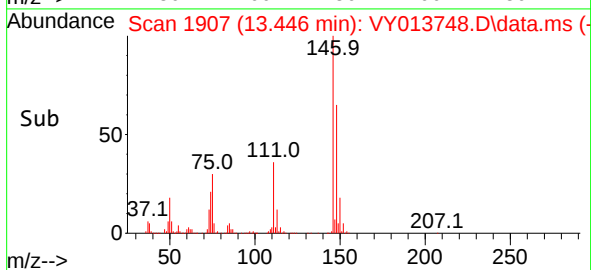
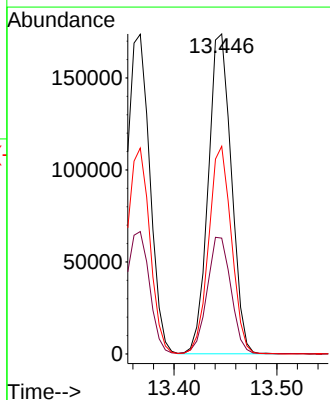
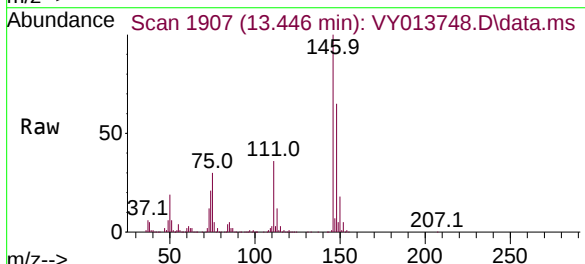
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

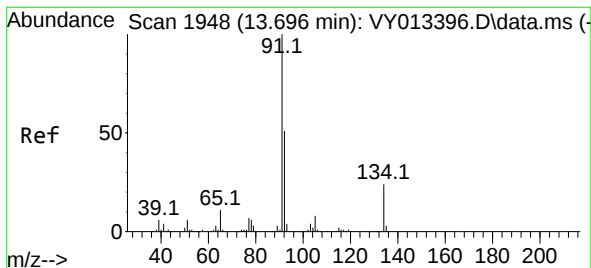
Tgt Ion:146 Resp: 274829  
Ion Ratio Lower Upper  
146 100  
111 38.7 19.3 57.9  
148 63.0 31.9 95.7



#88  
1,4-Dichlorobenzene  
Concen: 54.795 ug/l  
RT: 13.446 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY013748.D  
Acq: 15 May 2023 19:55

Tgt Ion:146 Resp: 271863  
Ion Ratio Lower Upper  
146 100  
111 37.5 18.9 56.5  
148 64.0 31.9 95.5





#89

n-Butylbenzene

Concen: 56.795 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

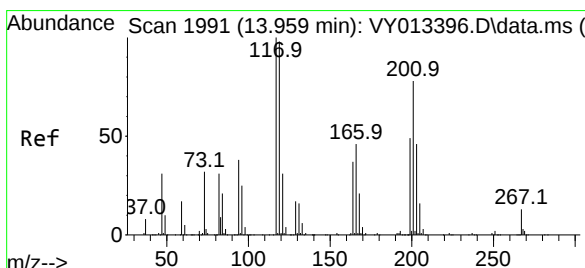
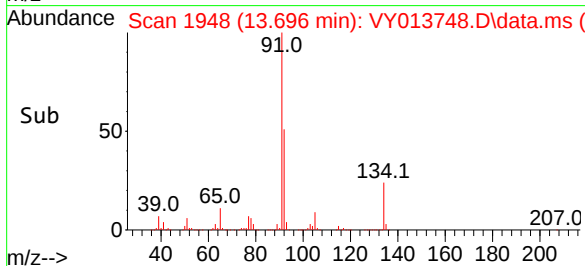
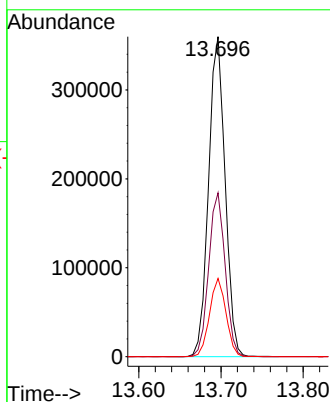
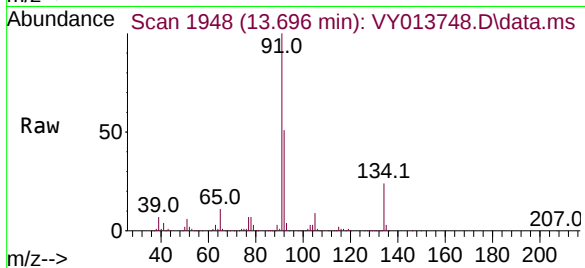
Tgt Ion: 91 Resp: 503347

Ion Ratio Lower Upper

91 100

92 50.8 25.8 77.3

134 24.3 13.5 40.4



#90

Hexachloroethane

Concen: 54.794 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. 0.001 min

Lab File: VY013748.D

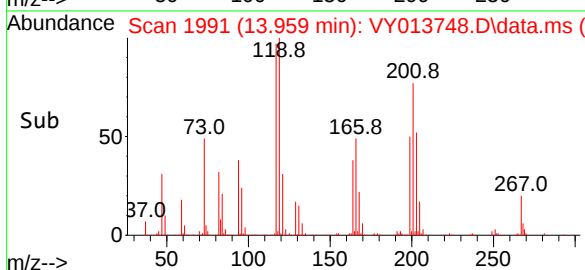
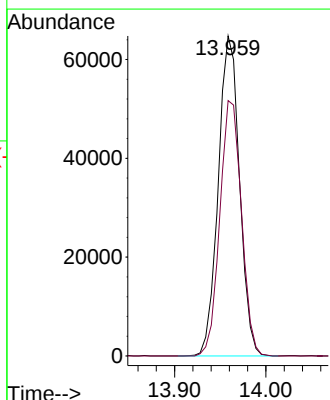
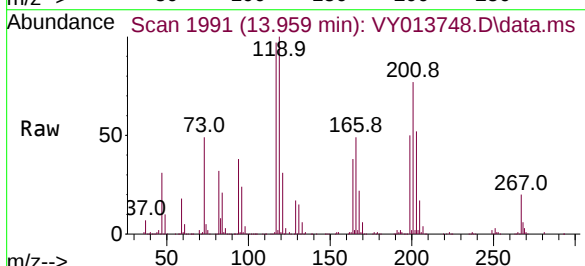
Acq: 15 May 2023 19:55

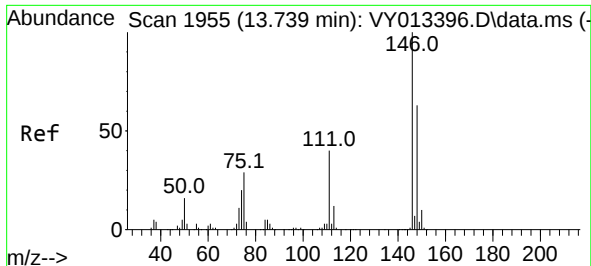
Tgt Ion: 117 Resp: 104716

Ion Ratio Lower Upper

117 100

201 81.2 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 55.911 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

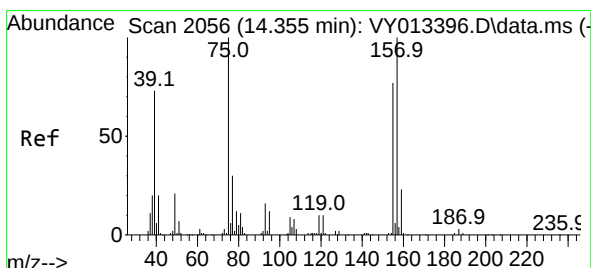
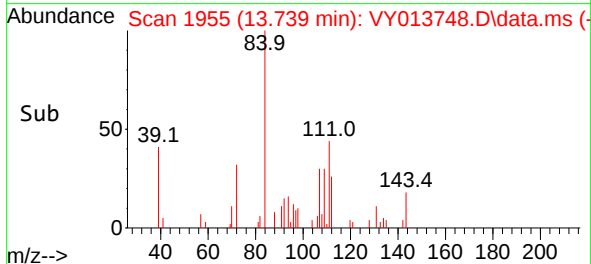
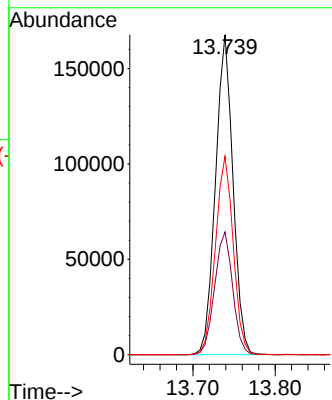
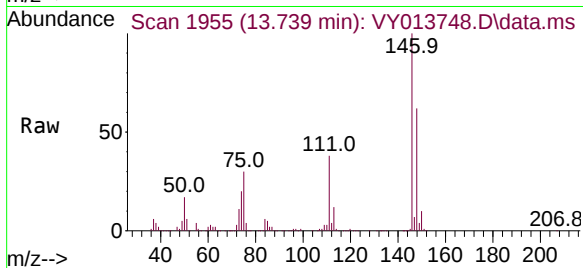
Tgt Ion:146 Resp: 247982

Ion Ratio Lower Upper

146 100

111 39.5 19.8 59.4

148 63.2 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.635 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

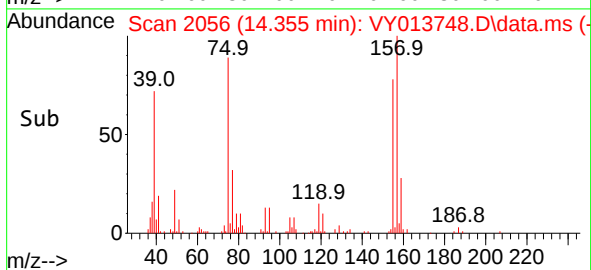
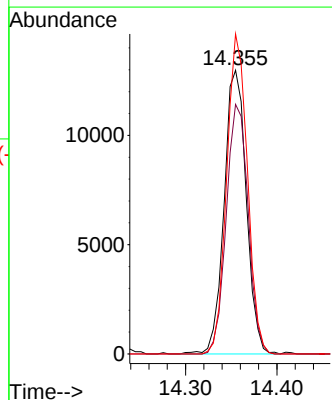
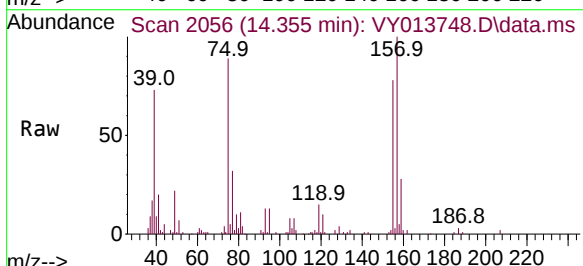
Tgt Ion: 75 Resp: 21879

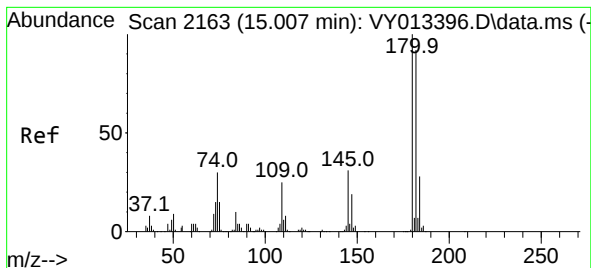
Ion Ratio Lower Upper

75 100

155 86.7 44.6 134.0

157 105.4 57.6 172.7





#93

1,2,4-Trichlorobenzene

Concen: 57.301 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

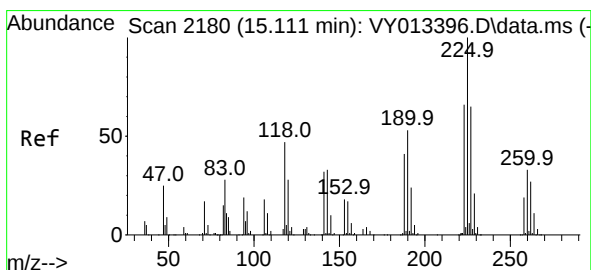
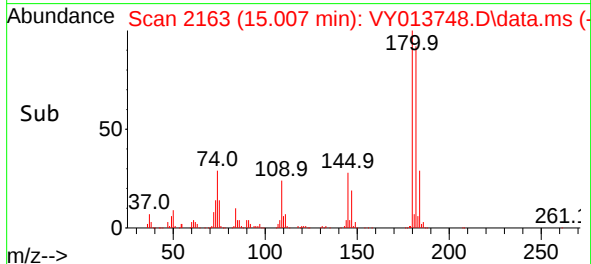
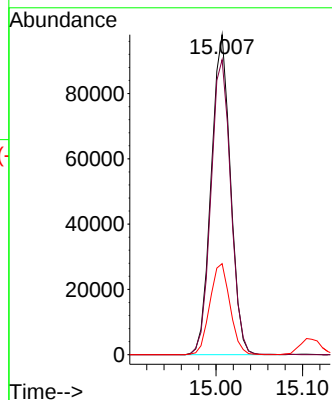
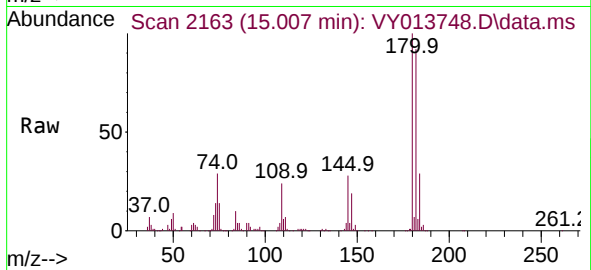
Tgt Ion:180 Resp: 151526

Ion Ratio Lower Upper

180 100

182 94.8 48.5 145.5

145 29.8 15.0 45.0



#94

Hexachlorobutadiene

Concen: 59.148 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

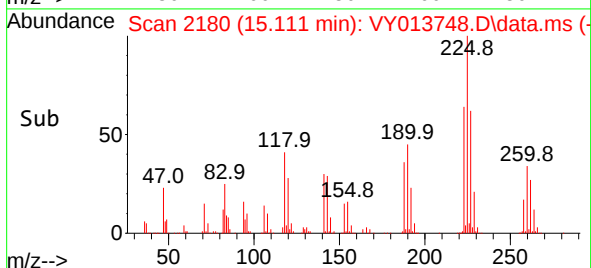
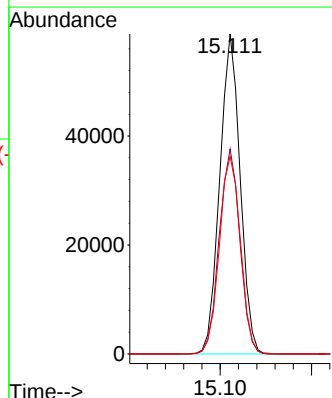
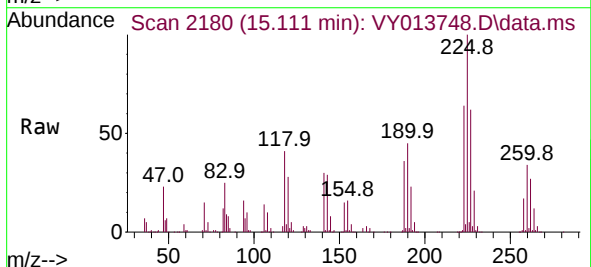
Tgt Ion:225 Resp: 91027

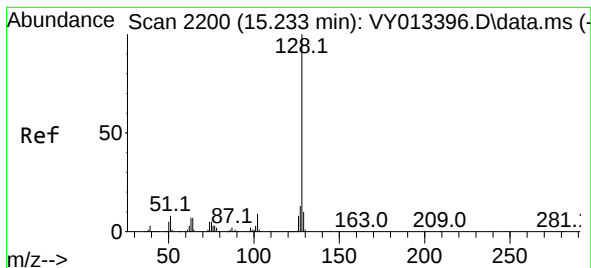
Ion Ratio Lower Upper

225 100

223 64.8 31.4 94.2

227 63.8 32.0 96.0





#95

Naphthalene

Concen: 54.507 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

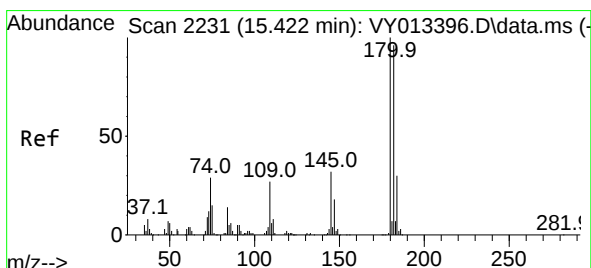
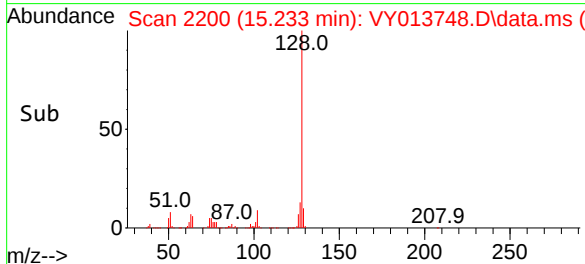
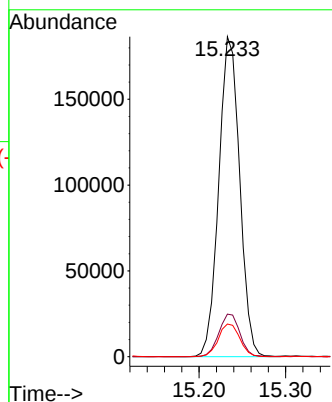
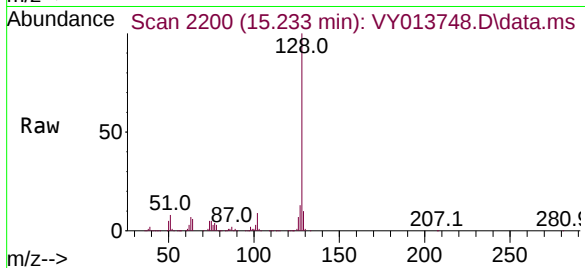
Tgt Ion:128 Resp: 312732

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.5 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 58.626 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY013748.D

Acq: 15 May 2023 19:55

Tgt Ion:180 Resp: 138176

Ion Ratio Lower Upper

180 100

182 94.9 47.1 141.3

145 31.2 15.9 47.7

