

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032222\  
 Data File : VY008009.D  
 Acq On : 22 Mar 2022 18:38  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Mar 23 05:10:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y031722S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 13:55:34 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 266048   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 458580   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 412249   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 204472   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 150470   | 49.604   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.200%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 159259   | 49.450   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.900%  |
| 50) Toluene-d8              | 10.179 | 98    | 524119   | 54.429   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 108.860% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 210933   | 45.635   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 91.280%  |

|                              |       |     |         |         |        |    |
|------------------------------|-------|-----|---------|---------|--------|----|
| Target Compounds             |       |     |         |         | Qvalue |    |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 83706   | 48.151  | ug/l   | 99 |
| 3) Chloromethane             | 2.113 | 50  | 104534  | 48.599  | ug/l   | 95 |
| 4) Vinyl Chloride            | 2.247 | 62  | 138518  | 51.580  | ug/l   | 99 |
| 5) Bromomethane              | 2.650 | 94  | 119261  | 68.923  | ug/l   | 97 |
| 6) Chloroethane              | 2.790 | 64  | 105700  | 48.582  | ug/l   | 99 |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 231155  | 47.388  | ug/l   | 95 |
| 8) Diethyl Ether             | 3.527 | 74  | 91715   | 50.661  | ug/l   | 80 |
| 9) 1,1,2-Trichlorotrifluo... | 3.899 | 101 | 152358  | 48.358  | ug/l   | 92 |
| 10) Methyl Iodide            | 4.088 | 142 | 128490  | 44.119  | ug/l   | 90 |
| 11) Tert butyl alcohol       | 4.948 | 59  | 97919   | 277.084 | ug/l # | 93 |
| 12) 1,1-Dichloroethene       | 3.875 | 96  | 128816  | 44.590  | ug/l   | 84 |
| 13) Acrolein                 | 3.729 | 56  | 17479   | 82.120  | ug/l   | 98 |
| 14) Allyl chloride           | 4.478 | 41  | 220593  | 45.398  | ug/l # | 91 |
| 15) Acrylonitrile            | 5.161 | 53  | 253768  | 263.029 | ug/l   | 97 |
| 16) Acetone                  | 3.948 | 43  | 183247  | 227.713 | ug/l # | 89 |
| 17) Carbon Disulfide         | 4.192 | 76  | 259606  | 46.784  | ug/l   | 99 |
| 18) Methyl Acetate           | 4.478 | 43  | 106388  | 56.271  | ug/l # | 88 |
| 19) Methyl tert-butyl Ether  | 5.222 | 73  | 487727  | 53.822  | ug/l   | 96 |
| 20) Methylene Chloride       | 4.710 | 84  | 170829  | 55.206  | ug/l # | 81 |
| 21) trans-1,2-Dichloroethene | 5.222 | 96  | 147793  | 45.697  | ug/l   | 86 |
| 22) Diisopropyl ether        | 6.118 | 45  | 533701  | 51.053  | ug/l # | 92 |
| 23) Vinyl Acetate            | 6.057 | 43  | 1754774 | 268.002 | ug/l # | 92 |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 296717  | 50.392  | ug/l   | 98 |
| 25) 2-Butanone               | 6.984 | 43  | 321631  | 249.522 | ug/l # | 85 |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 264634  | 48.491  | ug/l   | 94 |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 195536  | 50.370  | ug/l   | 86 |
| 28) Bromochloromethane       | 7.332 | 49  | 114737  | 49.333  | ug/l # | 81 |
| 29) Tetrahydrofuran          | 7.344 | 42  | 209705  | 253.908 | ug/l # | 84 |
| 30) Chloroform               | 7.502 | 83  | 318619  | 52.351  | ug/l   | 99 |
| 31) Cyclohexane              | 7.783 | 56  | 223288  | 50.690  | ug/l   | 90 |
| 32) 1,1,1-Trichloroethane    | 7.697 | 97  | 272983  | 49.799  | ug/l   | 95 |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 209748  | 43.911  | ug/l   | 96 |
| 37) Ethyl Acetate            | 7.076 | 43  | 143013  | 49.067  | ug/l # | 92 |
| 38) Carbon Tetrachloride     | 7.899 | 117 | 237266  | 46.484  | ug/l   | 99 |
| 39) Methylcyclohexane        | 9.179 | 83  | 254576  | 47.988  | ug/l   | 89 |
| 40) Benzene                  | 8.161 | 78  | 644304  | 46.158  | ug/l   | 97 |

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 ALS Vial : 22 Sample Multiplier: 1

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 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

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 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 13:55:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 196502   | 109.320  | ug/l # | 1        |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 198630   | 49.147   | ug/l   | 92       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 279346   | 49.714   | ug/l # | 90       |
| 44) Trichloroethene           | 8.941  | 130  | 178278   | 46.188   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 176272   | 48.770   | ug/l   | 97       |
| 46) Dibromomethane            | 9.301  | 93   | 104277   | 49.318   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.496  | 83   | 255729   | 50.064   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 116673   | 46.677   | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 32247    | 1076.882 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 736379   | 248.737  | ug/l   | 89       |
| 52) Toluene                   | 10.240 | 92   | 417934   | 46.622   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 262702   | 48.210   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 289374   | 47.621   | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 157975   | 51.426   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 218136   | 49.464   | ug/l # | 79       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 257206   | 50.209   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 524063   | 242.243  | ug/l   | 93       |
| 59) 2-Hexanone                | 10.831 | 43   | 511380   | 241.551  | ug/l   | 86       |
| 60) Dibromochloromethane      | 10.983 | 129  | 187225   | 50.889   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 147933   | 49.779   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 141346   | 44.061   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 482178   | 48.826   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 188624   | 50.730   | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.593 | 91   | 866174   | 49.238   | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.703 | 106  | 642192   | 93.586   | ug/l   | 92       |
| 69) o-Xylene                  | 12.026 | 106  | 321771   | 48.478   | ug/l   | 91       |
| 70) Styrene                   | 12.044 | 104  | 540943   | 48.474   | ug/l   | 95       |
| 71) Bromoform                 | 12.209 | 173  | 118585   | 49.793   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.331 | 105  | 857115   | 47.623   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 250663   | 47.206   | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 193877   | 50.043   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 239015   | 82.011   | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 198421   | 48.245   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.672 | 91   | 1006575  | 46.315   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 571793   | 46.763   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 713197   | 48.186   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 63821    | 45.996   | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 584282   | 45.998   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 635338   | 47.969   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 719353   | 49.580   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 933797   | 47.043   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 762394   | 47.311   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 391040   | 48.683   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 394339   | 48.983   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 708733   | 45.829   | ug/l   | 98       |
| 90) Hexachloroethane          | 13.958 | 117  | 154342   | 47.986   | ug/l   | 83       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 360664   | 49.918   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 31046    | 46.580   | ug/l   | 78       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 217181   | 47.551   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 108760   | 44.635   | ug/l   | 100      |
| 95) Naphthalene               | 15.239 | 128  | 923573   | 90.635   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 195221   | 48.462   | ug/l   | 98       |

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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

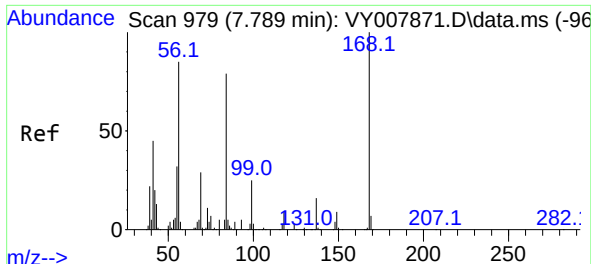
Quant Time: Mar 23 05:10:01 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y031722S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 17 13:55:34 2022  
Response via : Initial Calibration

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

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

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Response via : Initial Calibration

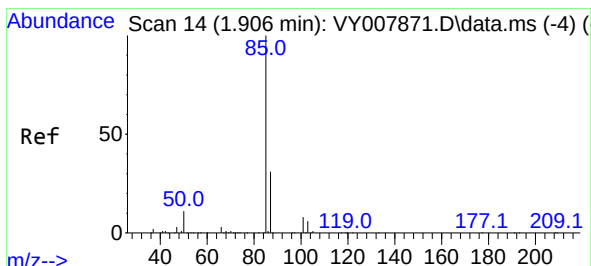
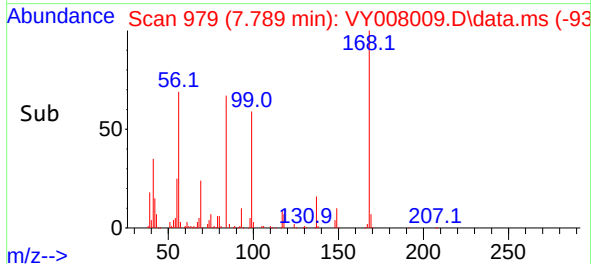
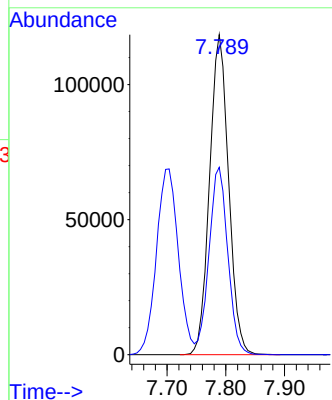
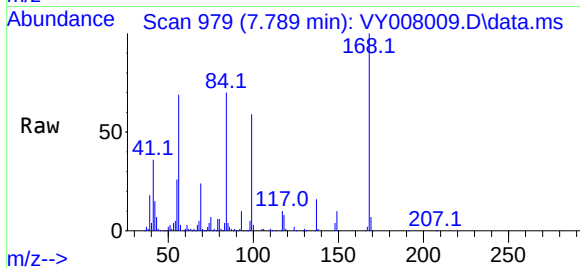




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

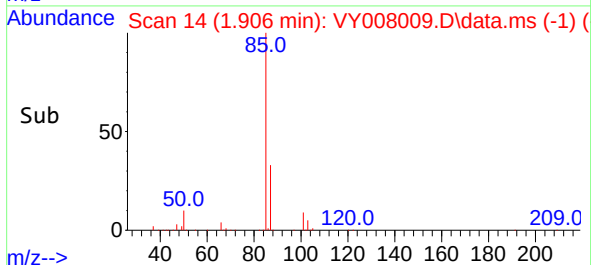
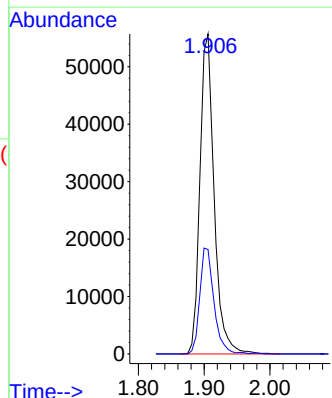
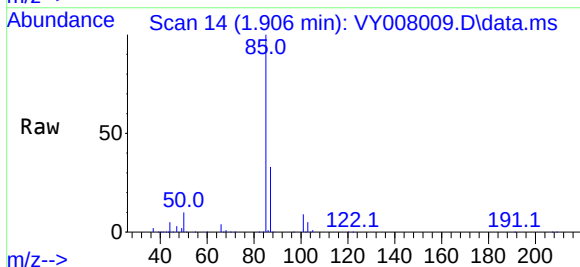
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

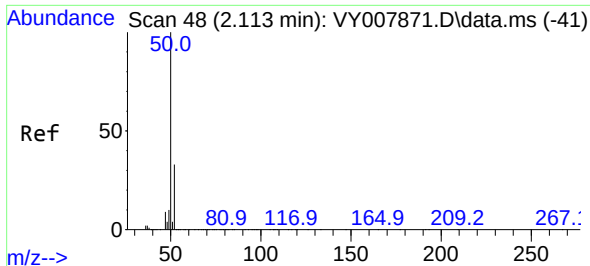
Tgt Ion:168 Resp: 266048  
Ion Ratio Lower Upper  
168 100  
99 58.6 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: 48.151 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 85 Resp: 83706  
Ion Ratio Lower Upper  
85 100  
87 32.7 16.1 48.2

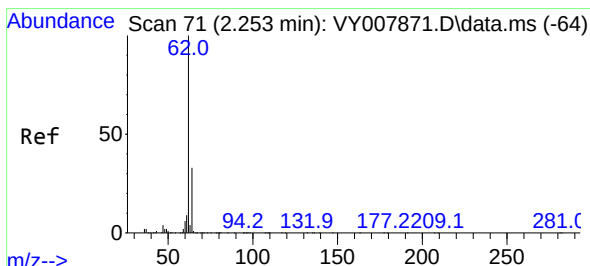
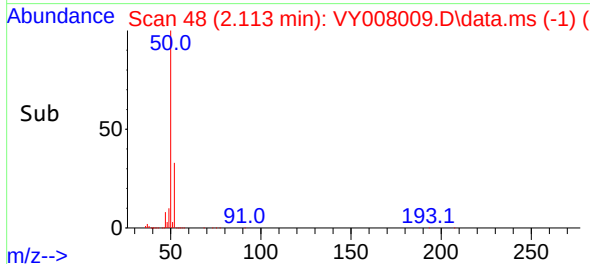
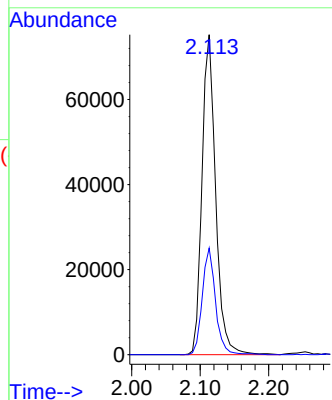
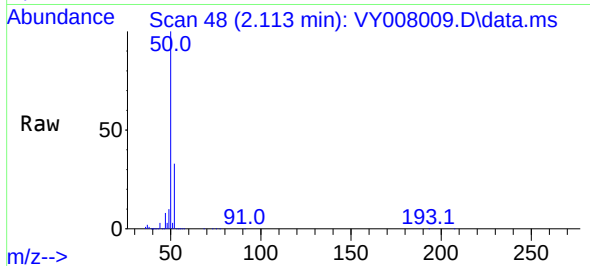




#3  
Chloromethane  
Concen: 48.599 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

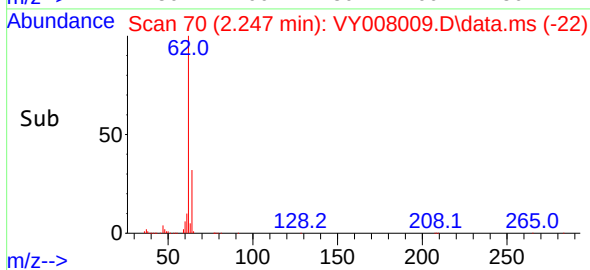
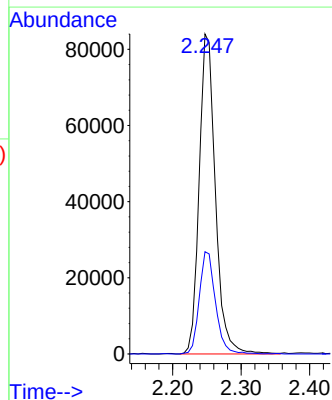
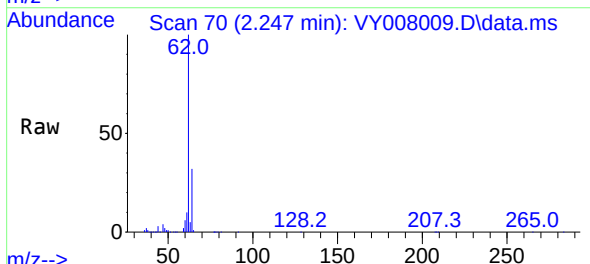
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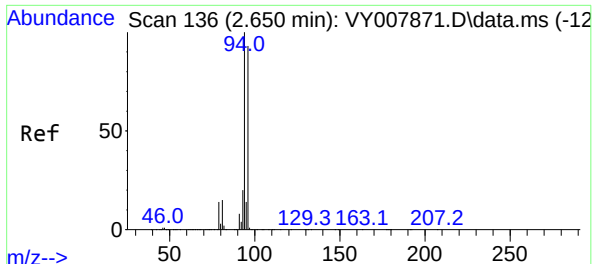
Tgt Ion: 50 Resp: 104534  
Ion Ratio Lower Upper  
50 100  
52 33.3 24.6 37.0



#4  
Vinyl Chloride  
Concen: 51.580 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 62 Resp: 138518  
Ion Ratio Lower Upper  
62 100  
64 31.9 25.0 37.6

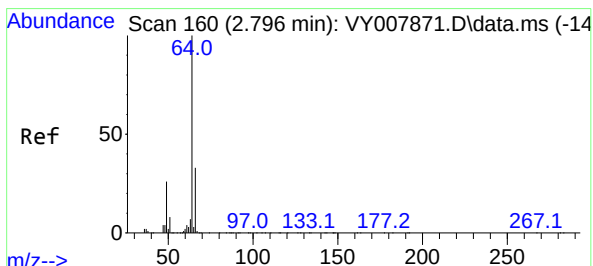
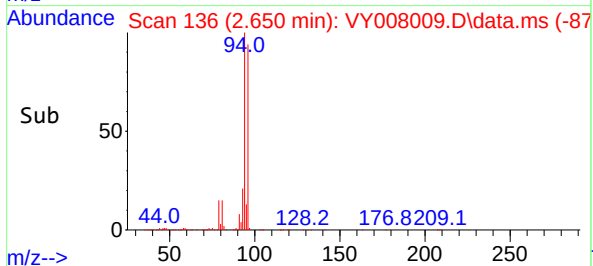
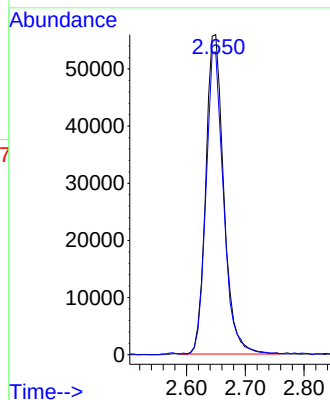
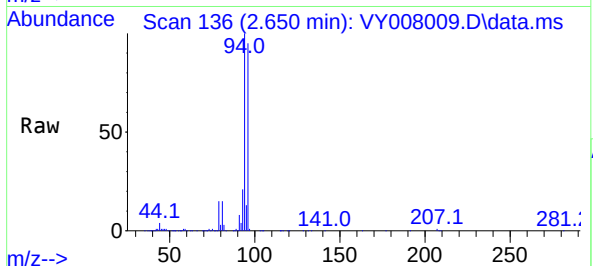




#5  
Bromomethane  
Concen: 68.923 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

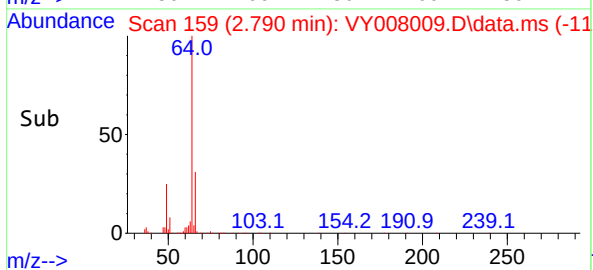
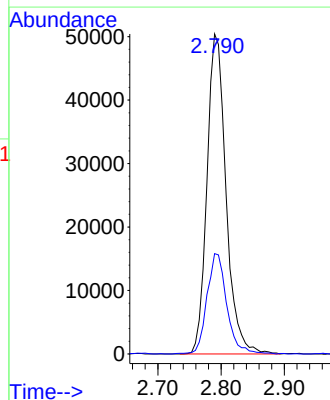
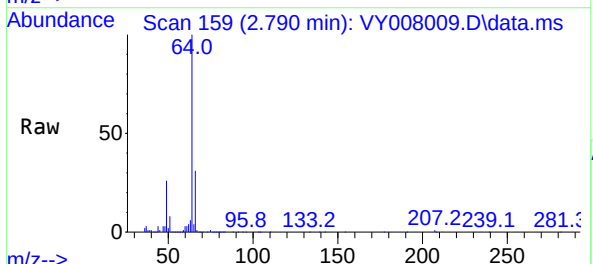
Instrument :  
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VSTDCCC050EC

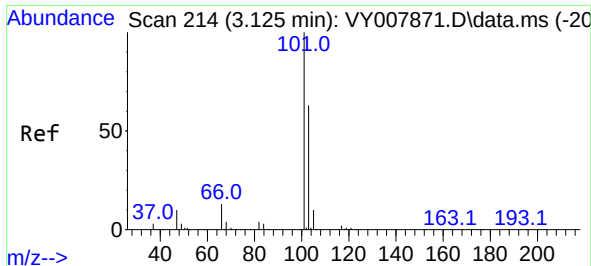
Tgt Ion: 94 Resp: 119261  
Ion Ratio Lower Upper  
94 100  
96 94.6 73.5 110.3



#6  
Chloroethane  
Concen: 48.582 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 64 Resp: 105700  
Ion Ratio Lower Upper  
64 100  
66 31.2 25.4 38.0

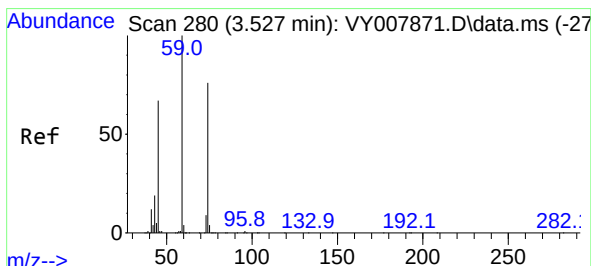
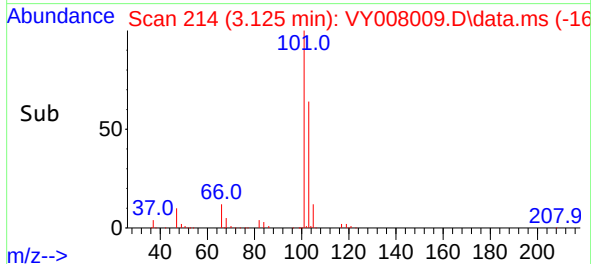
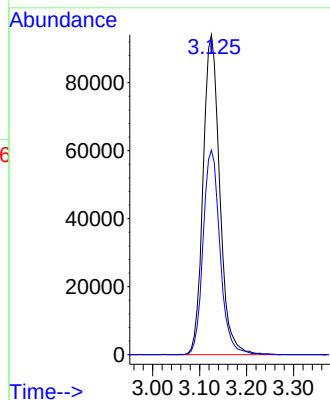
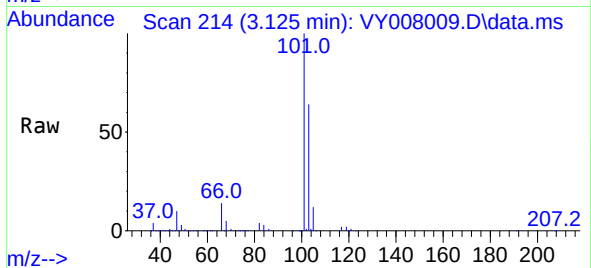




#7  
Trichlorofluoromethane  
Concen: 47.388 ug/l  
RT: 3.125 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

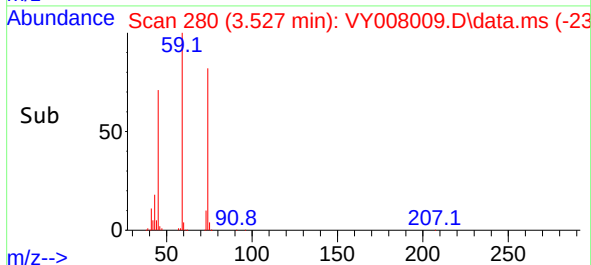
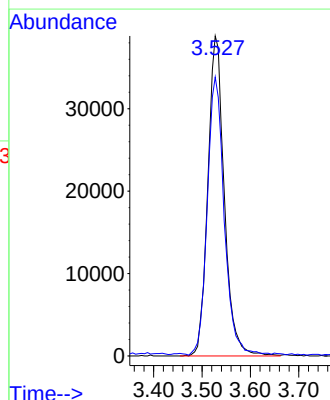
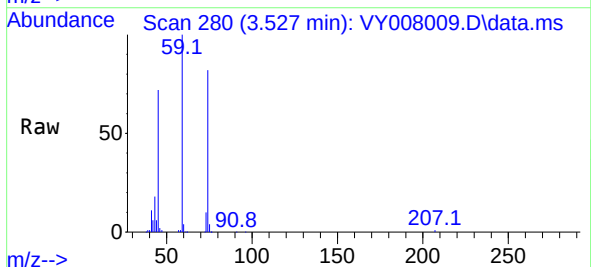
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 231155  
Ion Ratio Lower Upper  
101 100  
103 63.9 48.0 72.0

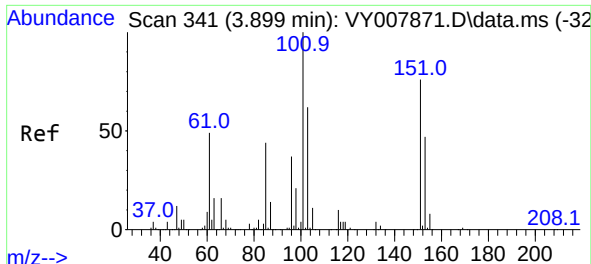


#8  
Diethyl Ether  
Concen: 50.661 ug/l  
RT: 3.527 min Scan# 280  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 74 Resp: 91715  
Ion Ratio Lower Upper  
74 100  
45 89.5 55.1 165.5



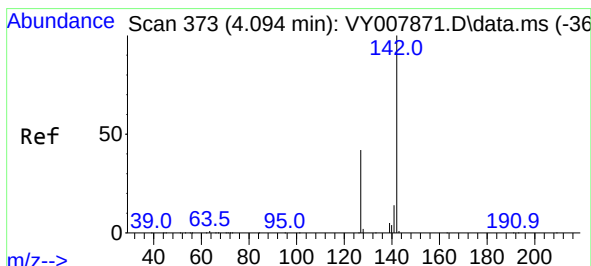
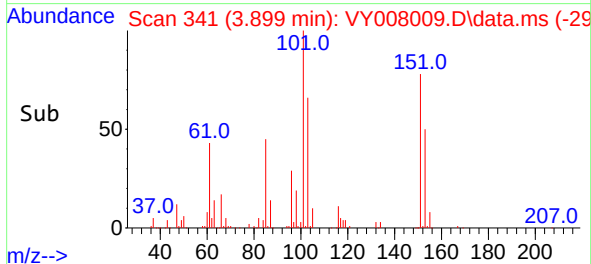
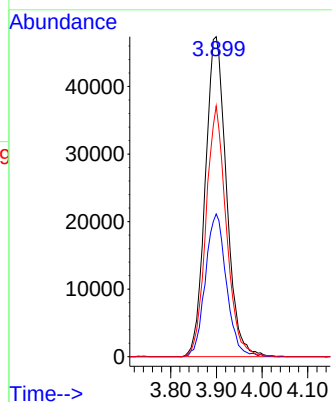
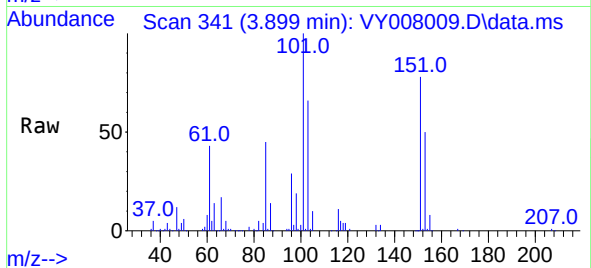




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.358 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

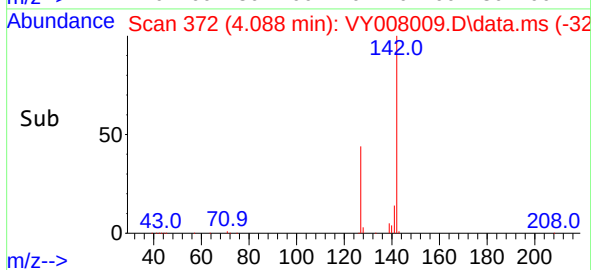
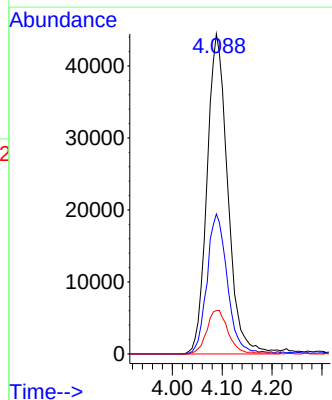
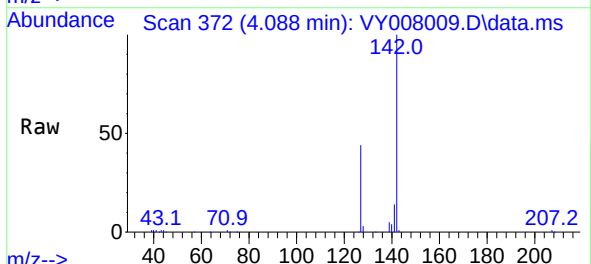
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

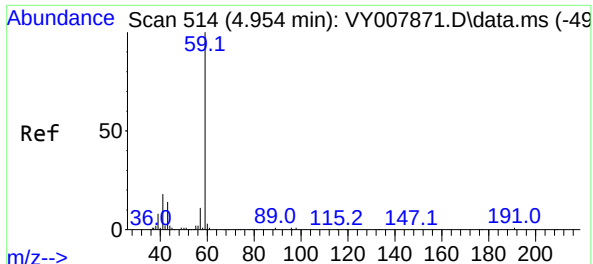
Tgt Ion:101 Resp: 152358  
Ion Ratio Lower Upper  
101 100  
85 44.5 40.6 60.8  
151 75.2 64.9 97.3



#10  
Methyl Iodide  
Concen: 44.119 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion:142 Resp: 128490  
Ion Ratio Lower Upper  
142 100  
127 43.0 41.5 62.3  
141 14.3 11.9 17.9





#11

Tert butyl alcohol

Concen: 277.084 ug/l

RT: 4.948 min Scan# 514

Delta R.T. -0.006 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

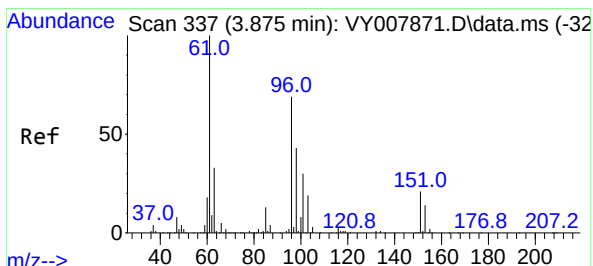
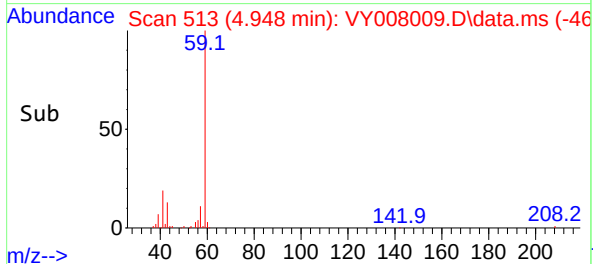
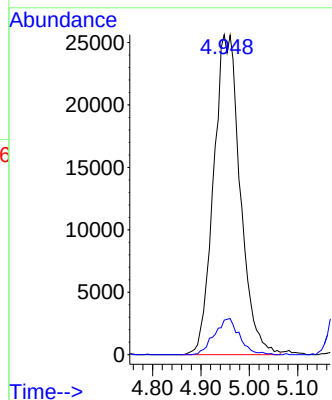
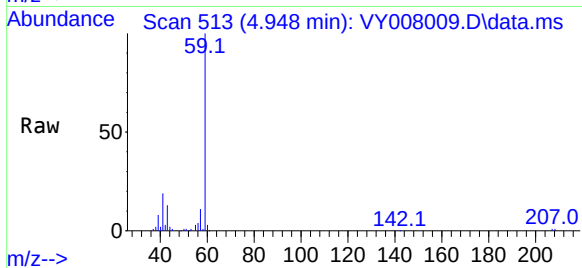
VSTDCCC050EC

Tgt Ion: 59 Resp: 97919

Ion Ratio Lower Upper

59 100

57 10.6 6.4 9.6#



#12

1,1-Dichloroethene

Concen: 44.590 ug/l

RT: 3.875 min Scan# 337

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

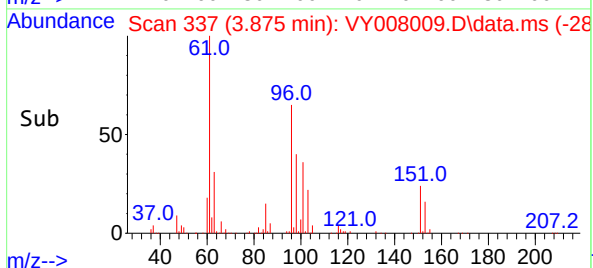
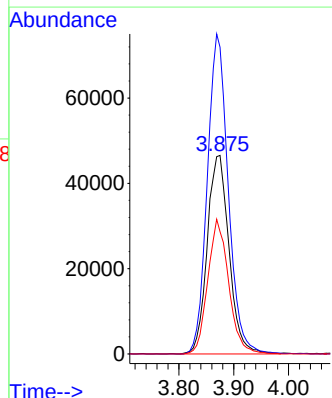
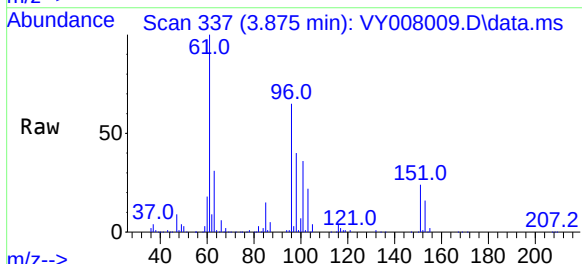
Tgt Ion: 96 Resp: 128816

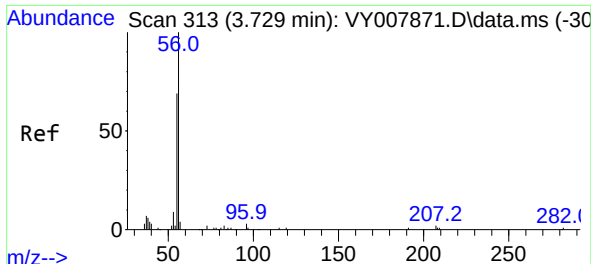
Ion Ratio Lower Upper

96 100

61 154.6 145.8 218.6

98 61.6 52.5 78.7

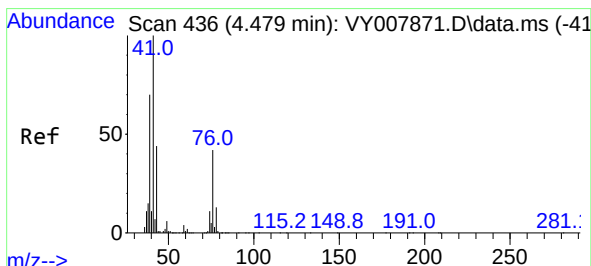
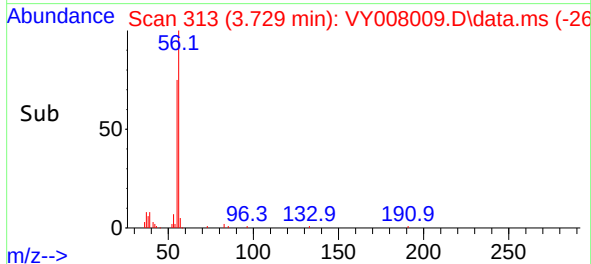
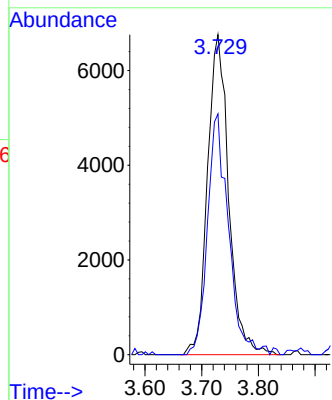
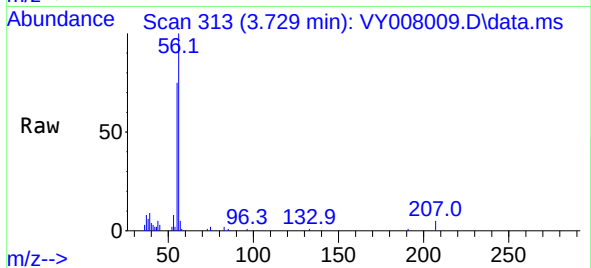




#13  
Acrolein  
Concen: 82.120 ug/l  
RT: 3.729 min Scan# 313  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

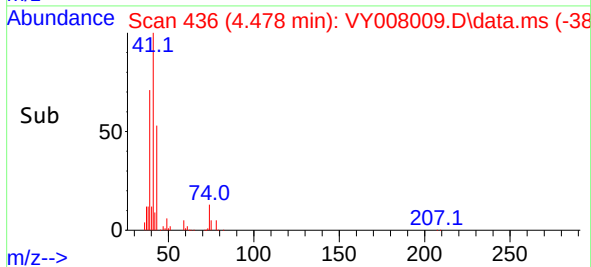
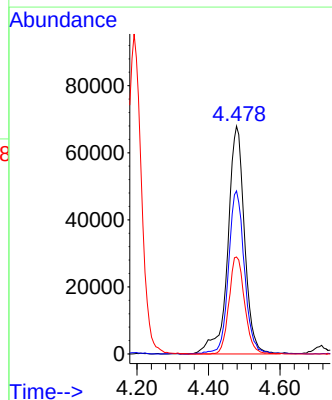
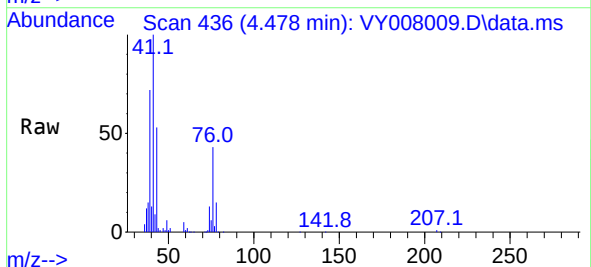
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

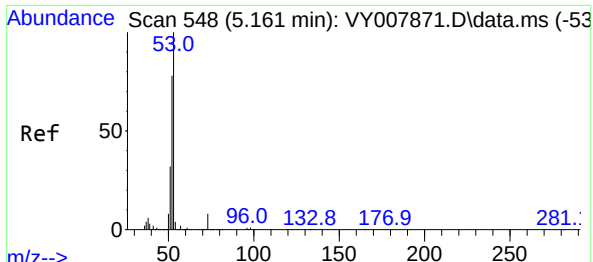
Tgt Ion: 56 Resp: 17479  
Ion Ratio Lower Upper  
56 100  
55 73.9 57.6 86.4



#14  
Allyl chloride  
Concen: 45.398 ug/l  
RT: 4.478 min Scan# 436  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 41 Resp: 220593  
Ion Ratio Lower Upper  
41 100  
39 68.2 58.8 88.2  
76 39.8 25.1 37.7#

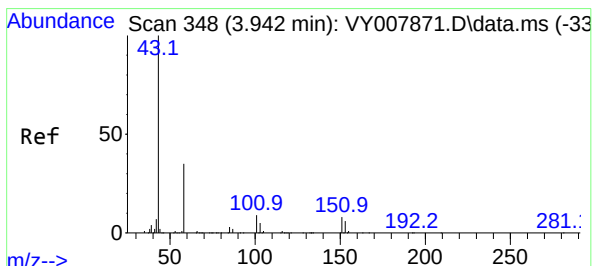
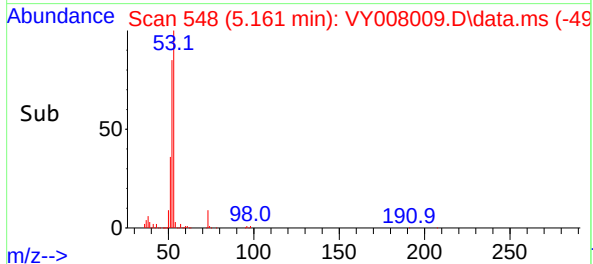
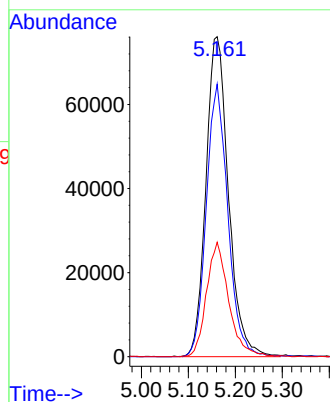
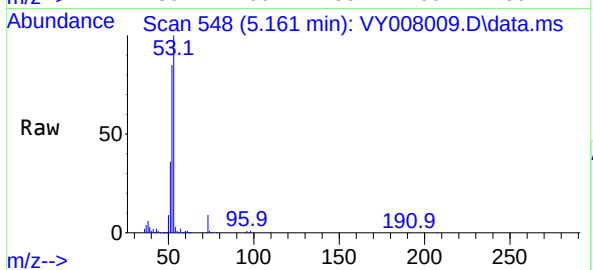




#15  
Acrylonitrile  
Concen: 263.029 ug/l  
RT: 5.161 min Scan# 548  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

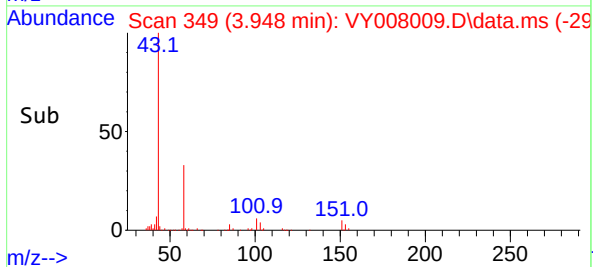
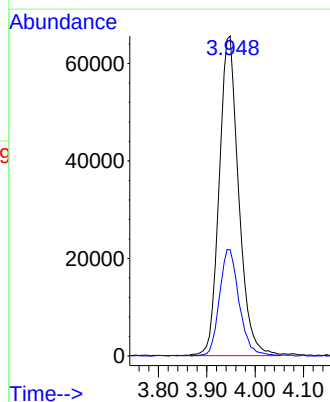
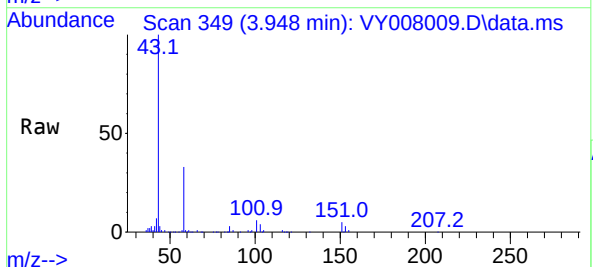
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

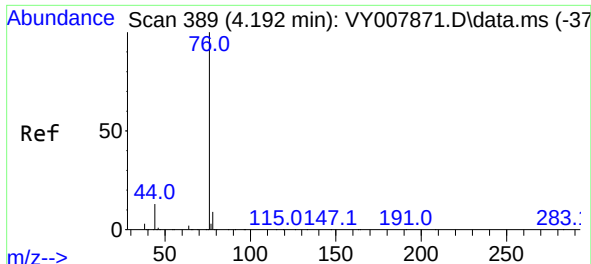
Tgt Ion: 53 Resp: 253768  
Ion Ratio Lower Upper  
53 100  
52 81.4 67.0 100.4  
51 35.3 29.8 44.6



#16  
Acetone  
Concen: 227.713 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 43 Resp: 183247  
Ion Ratio Lower Upper  
43 100  
58 33.1 22.0 33.0#

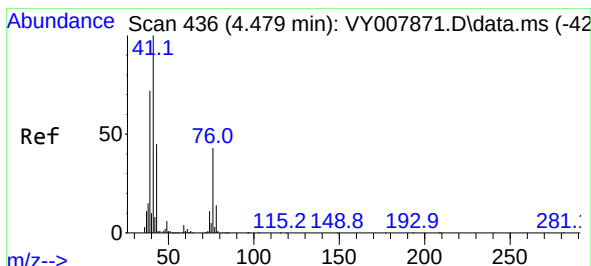
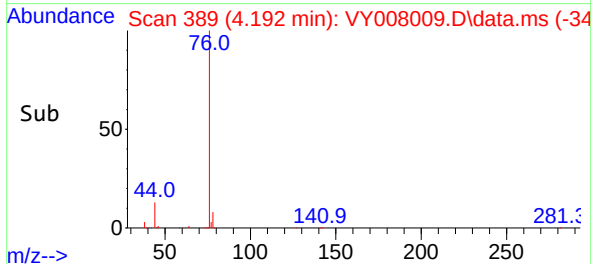
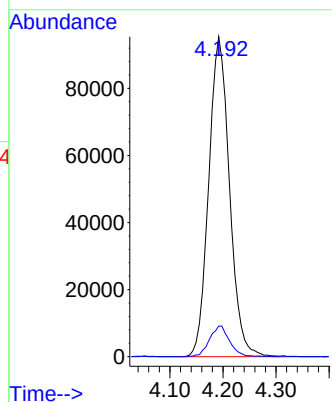
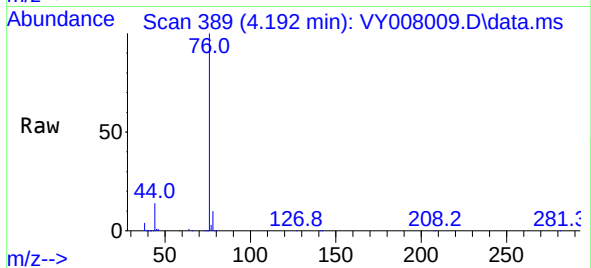




#17  
Carbon Disulfide  
Concen: 46.784 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

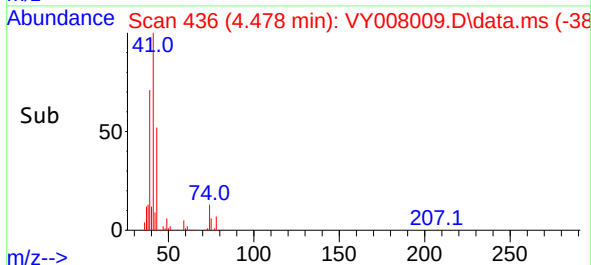
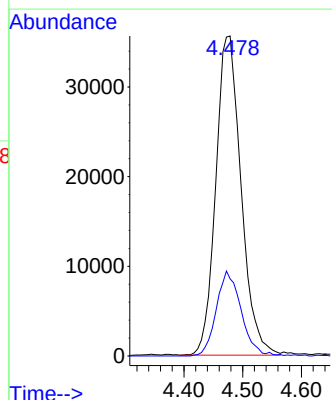
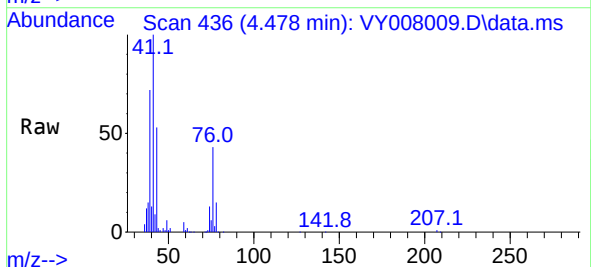
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

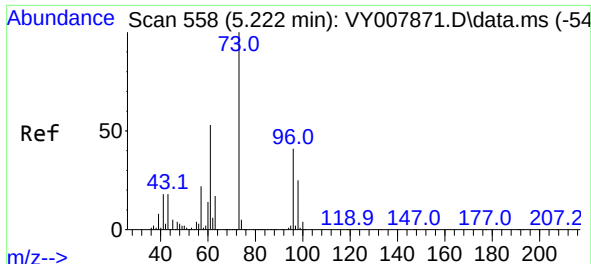
Tgt Ion: 76 Resp: 259606  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.4 11.0



#18  
Methyl Acetate  
Concen: 56.271 ug/l  
RT: 4.478 min Scan# 436  
Delta R.T. 0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 43 Resp: 106388  
Ion Ratio Lower Upper  
43 100  
74 26.1 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 53.822 ug/l

RT: 5.222 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

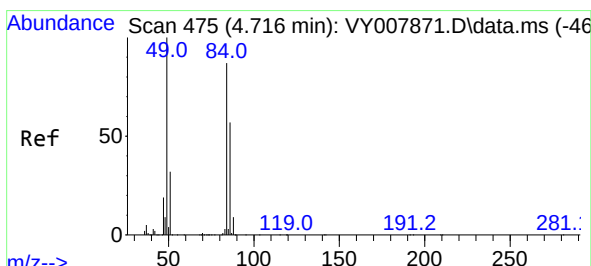
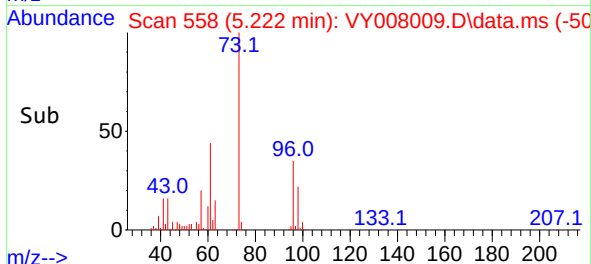
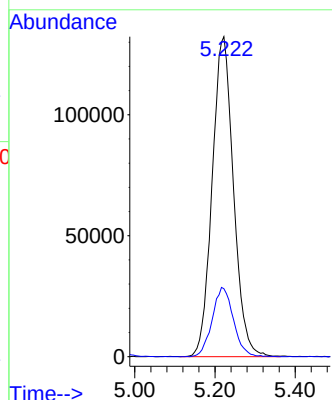
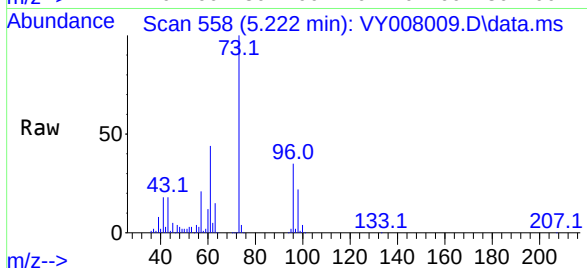
VSTDCCC050EC

Tgt Ion: 73 Resp: 487727

Ion Ratio Lower Upper

73 100

57 21.2 18.6 27.8



#20

Methylene Chloride

Concen: 55.206 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Tgt Ion: 84 Resp: 170829

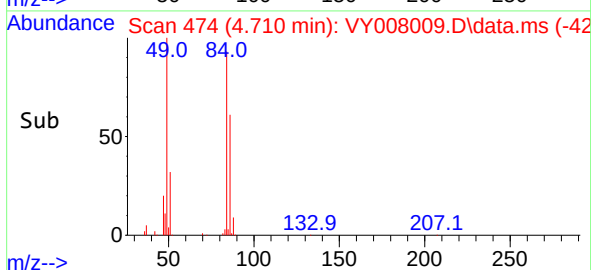
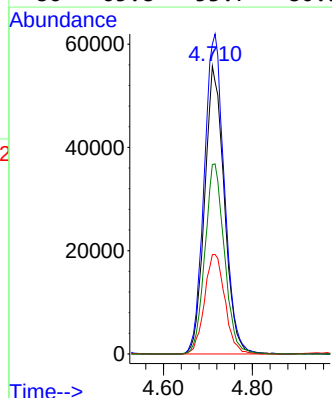
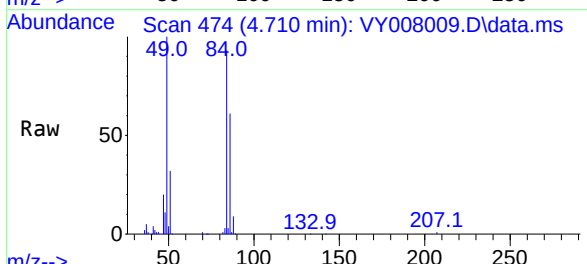
Ion Ratio Lower Upper

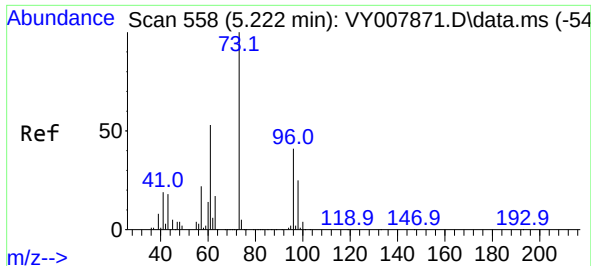
84 100

49 107.6 114.4 171.6#

51 34.5 35.3 52.9#

86 65.8 53.7 80.5

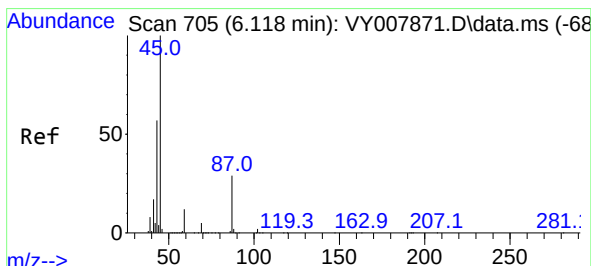
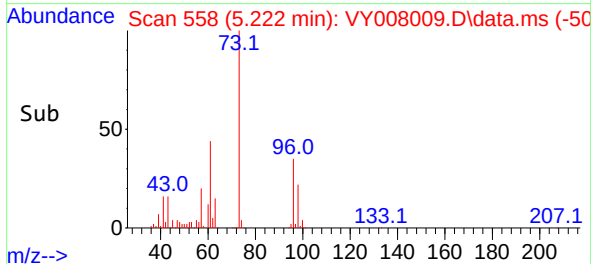
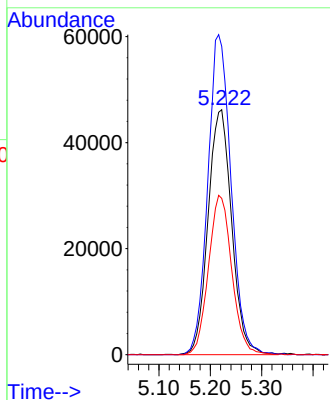
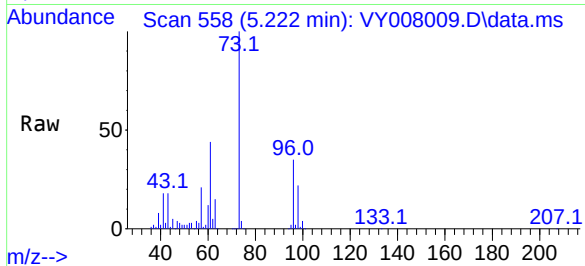




#21  
trans-1,2-Dichloroethene  
Concen: 45.697 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

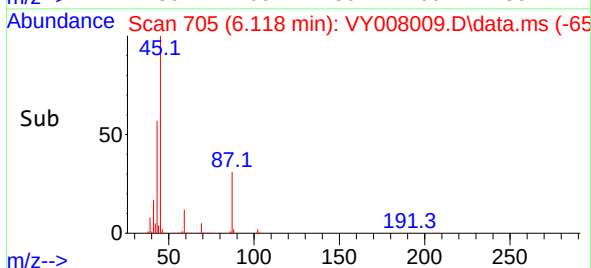
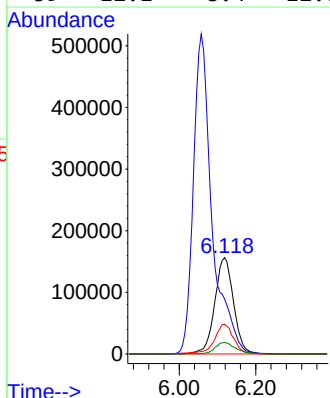
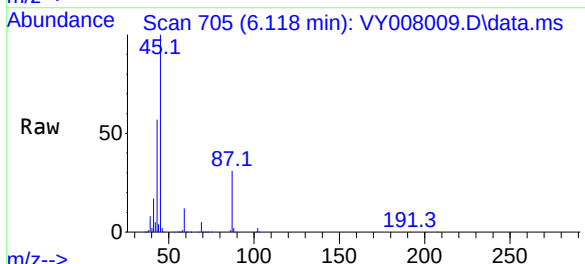
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

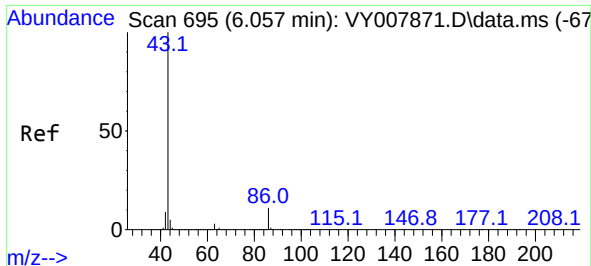
Tgt Ion: 96 Resp: 147793  
Ion Ratio Lower Upper  
96 100  
61 125.9 120.5 180.7  
98 63.9 49.8 74.8



#22  
Diisopropyl ether  
Concen: 51.053 ug/l  
RT: 6.118 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 45 Resp: 533701  
Ion Ratio Lower Upper  
45 100  
43 56.6 49.3 73.9  
87 30.9 19.2 28.8#  
59 12.1 8.4 12.6

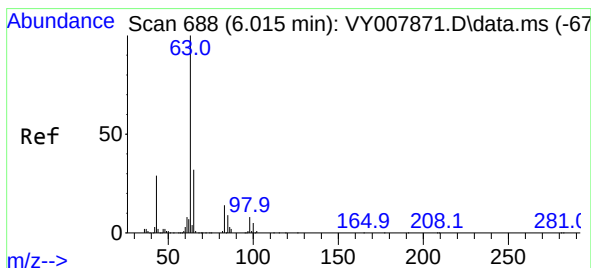
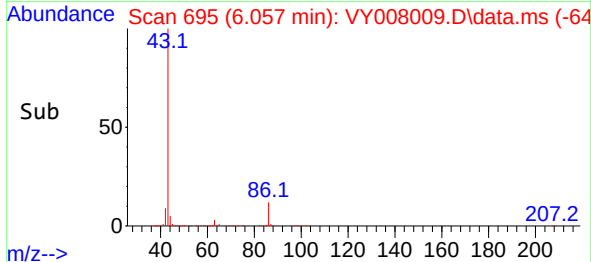
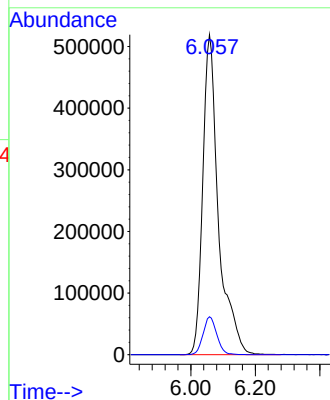
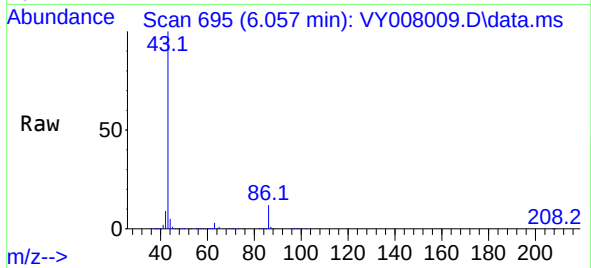




#23  
 Vinyl Acetate  
 Concen: 268.002 ug/l  
 RT: 6.057 min Scan# 695  
 Delta R.T. -0.000 min  
 Lab File: VY008009.D  
 Acq: 22 Mar 2022 18:38

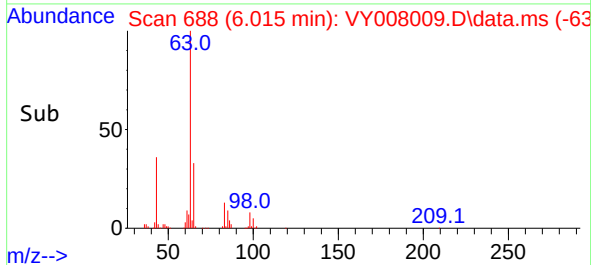
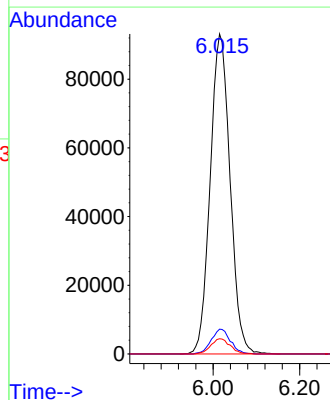
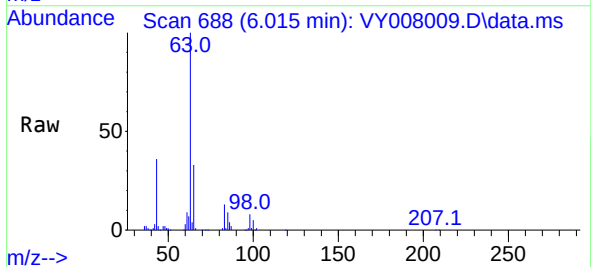
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1754774  
 Ion Ratio Lower Upper  
 43 100  
 86 11.8 7.1 10.7#

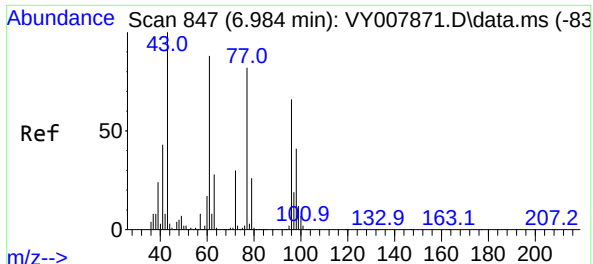


#24  
 1,1-Dichloroethane  
 Concen: 50.392 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.000 min  
 Lab File: VY008009.D  
 Acq: 22 Mar 2022 18:38

Tgt Ion: 63 Resp: 296717  
 Ion Ratio Lower Upper  
 63 100  
 98 7.8 3.6 10.8  
 100 4.8 2.0 5.8



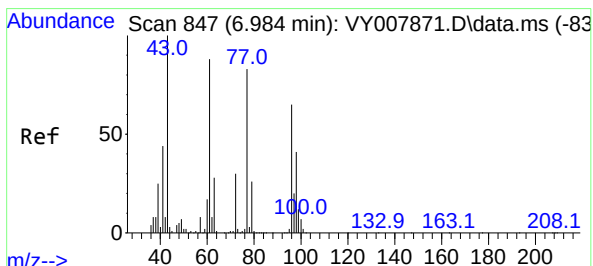
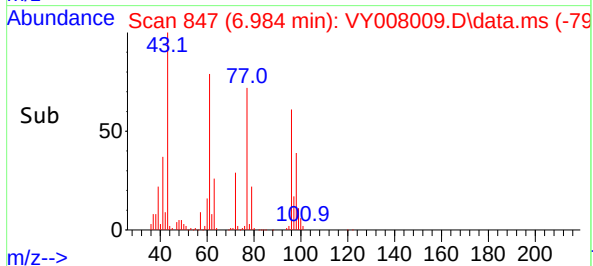
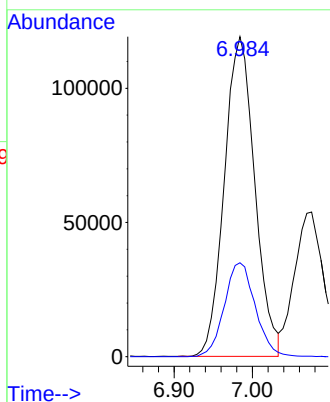
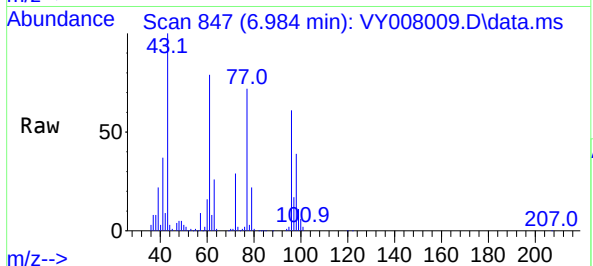




#25  
2-Butanone  
Concen: 249.522 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

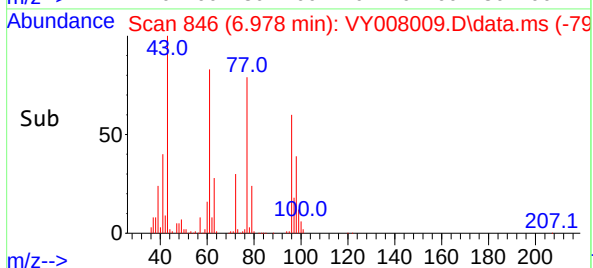
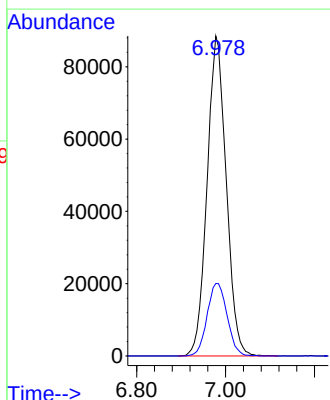
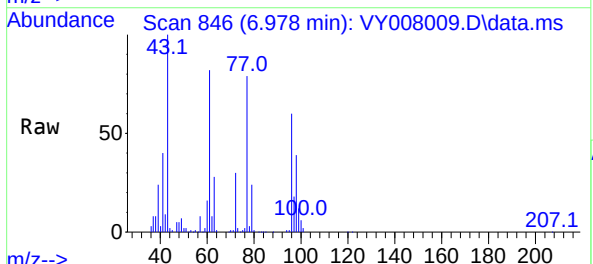
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

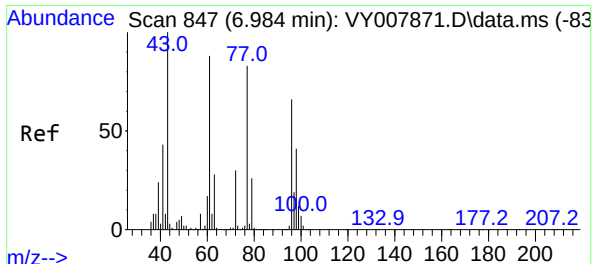
Tgt Ion: 43 Resp: 321631  
Ion Ratio Lower Upper  
43 100  
72 29.4 17.7 26.5#



#26  
2,2-Dichloropropane  
Concen: 48.491 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 77 Resp: 264634  
Ion Ratio Lower Upper  
77 100  
97 23.7 10.4 31.4



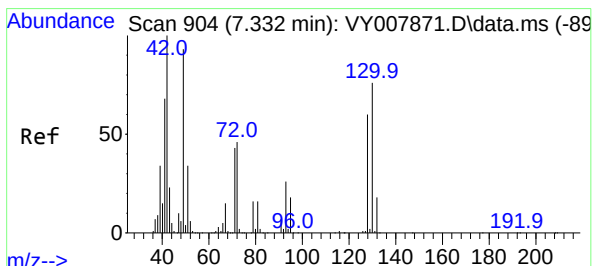
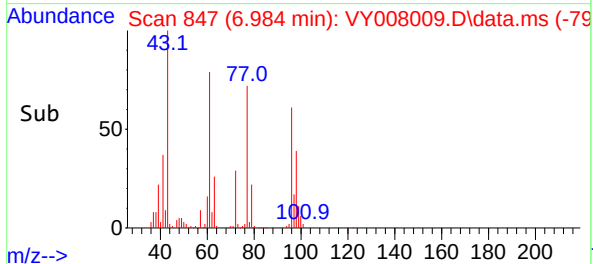
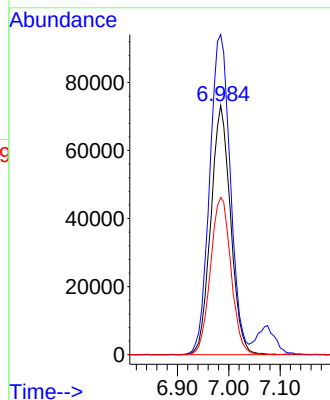
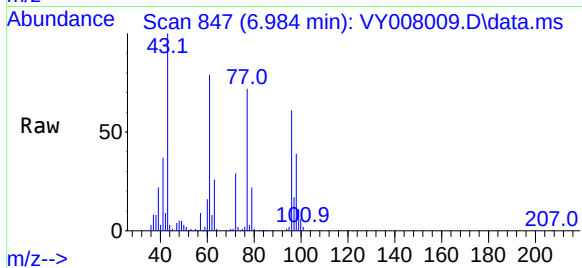


#27  
 cis-1,2-Dichloroethene  
 Concen: 50.370 ug/l  
 RT: 6.984 min Scan# 847  
 Delta R.T. -0.000 min  
 Lab File: VY008009.D  
 Acq: 22 Mar 2022 18:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 96 Resp: 195536  

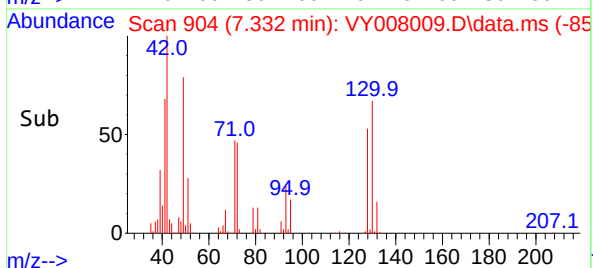
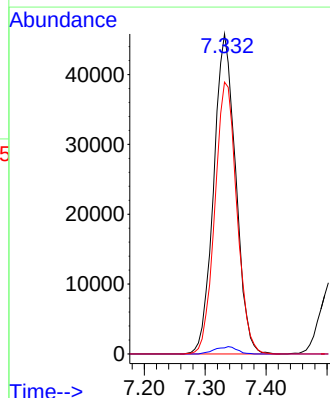
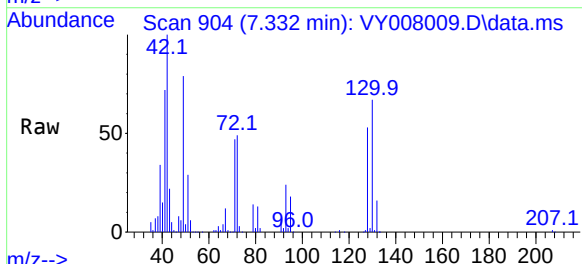
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 134.5 | 0.0   | 319.8 |
| 98  | 65.4  | 0.0   | 127.0 |

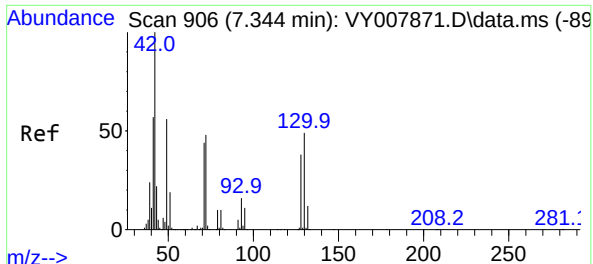


#28  
 Bromochloromethane  
 Concen: 49.333 ug/l  
 RT: 7.332 min Scan# 904  
 Delta R.T. -0.000 min  
 Lab File: VY008009.D  
 Acq: 22 Mar 2022 18:38

Tgt Ion: 49 Resp: 114737  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.3   | 0.0   | 2.2#  |
| 130 | 84.9  | 55.4  | 83.0# |

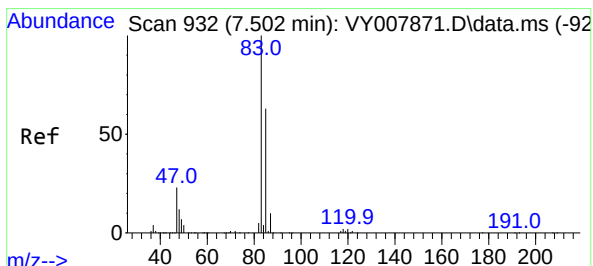
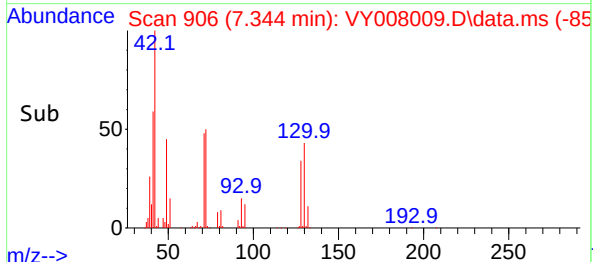
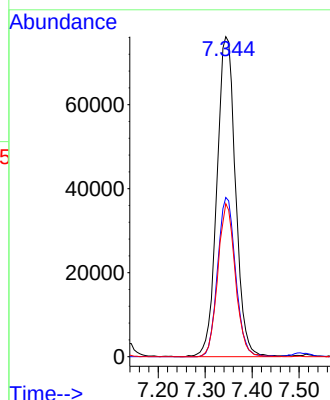
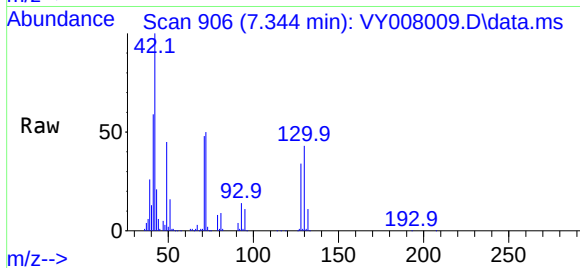




#29  
Tetrahydrofuran  
Concen: 253.908 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

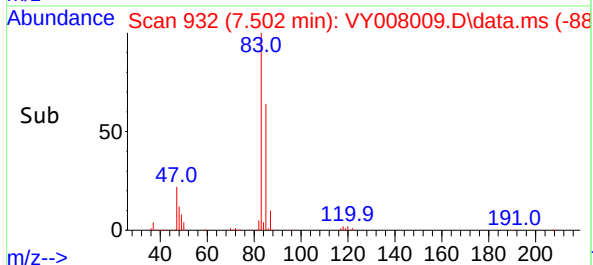
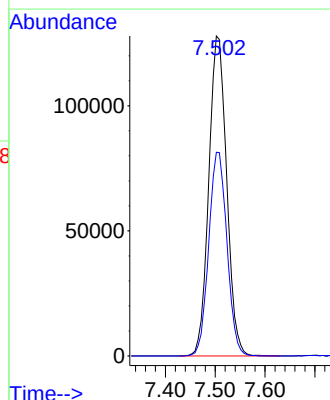
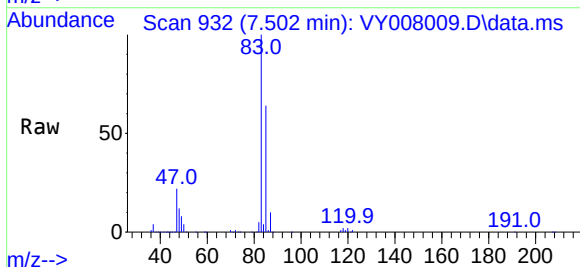
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

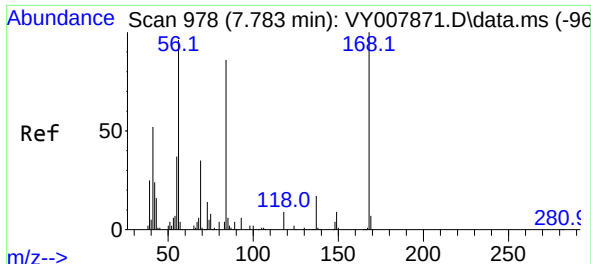
Tgt Ion: 42 Resp: 209705  
Ion Ratio Lower Upper  
42 100  
72 48.0 30.3 45.5#  
71 45.0 29.0 43.4#



#30  
Chloroform  
Concen: 52.351 ug/l  
RT: 7.502 min Scan# 932  
Delta R.T. -0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 83 Resp: 318619  
Ion Ratio Lower Upper  
83 100  
85 63.6 51.8 77.6





#31

Cyclohexane

Concen: 50.690 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

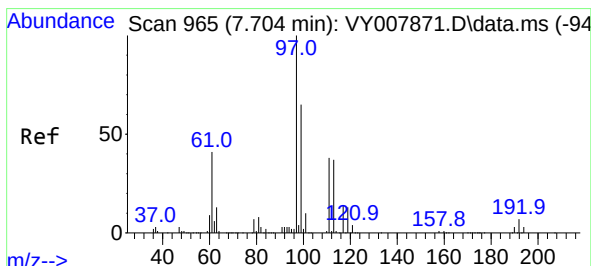
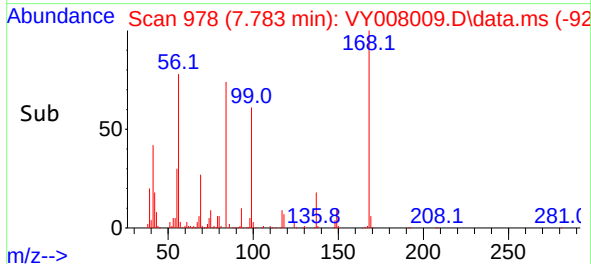
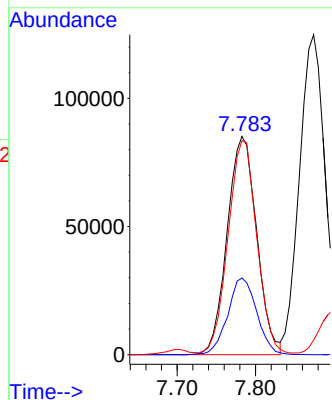
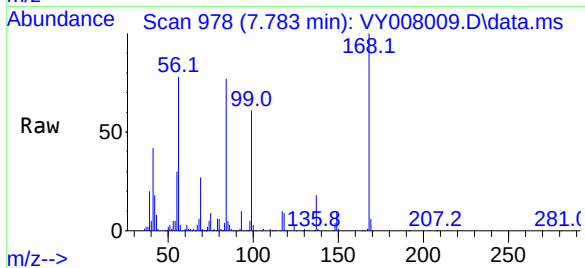
Tgt Ion: 56 Resp: 223288

Ion Ratio Lower Upper

56 100

69 35.1 26.7 40.1

84 95.7 67.2 100.8



#32

1,1,1-Trichloroethane

Concen: 49.799 ug/l

RT: 7.697 min Scan# 964

Delta R.T. -0.006 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

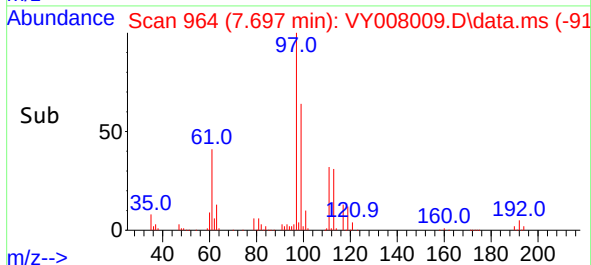
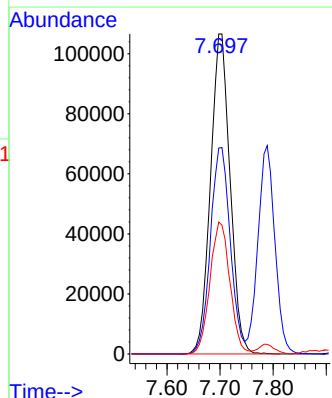
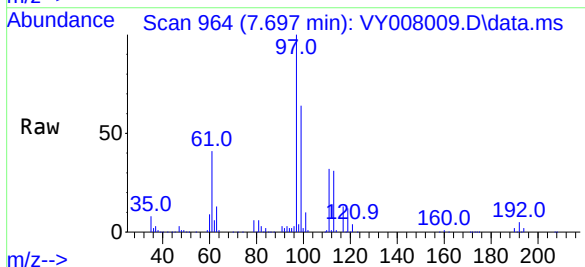
Tgt Ion: 97 Resp: 272983

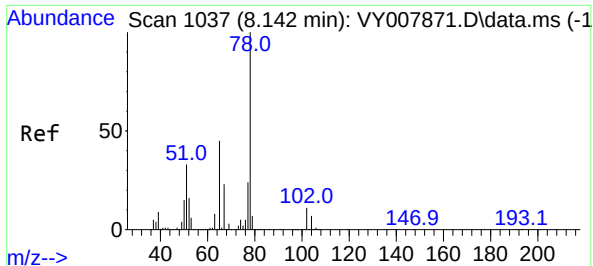
Ion Ratio Lower Upper

97 100

99 65.6 50.7 76.1

61 42.0 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 49.604 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

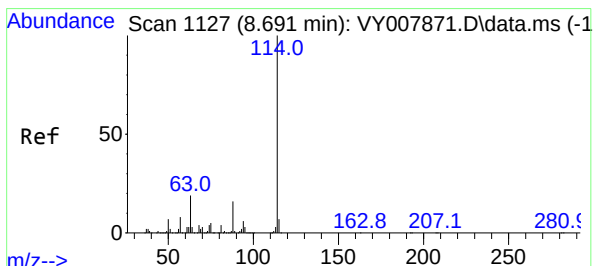
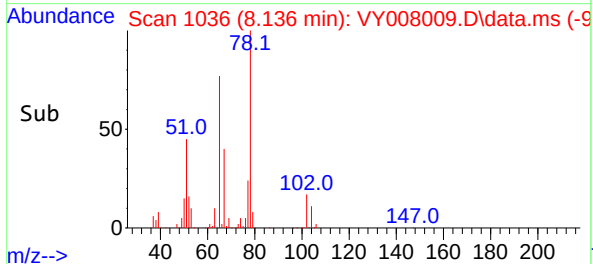
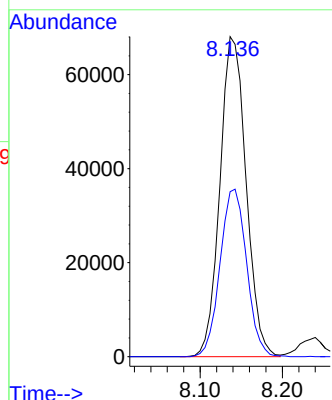
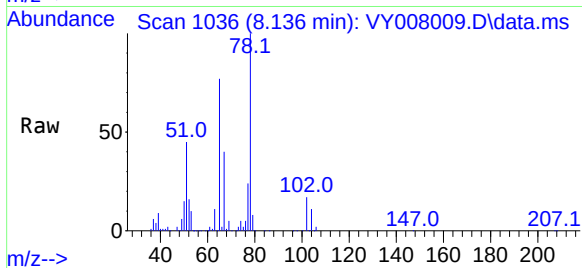
VSTDCCC050EC

Tgt Ion: 65 Resp: 150470

Ion Ratio Lower Upper

65 100

67 53.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

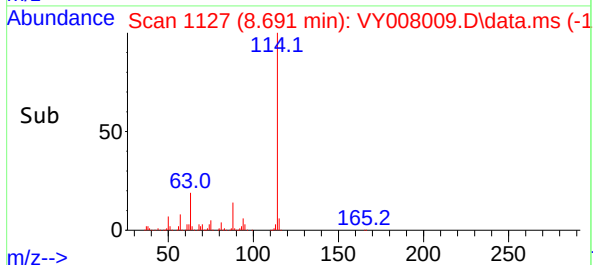
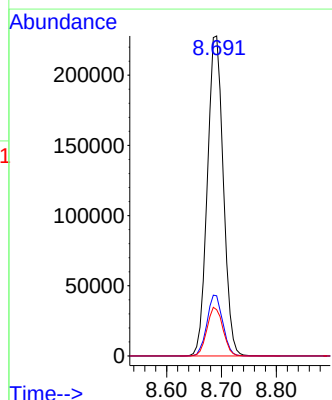
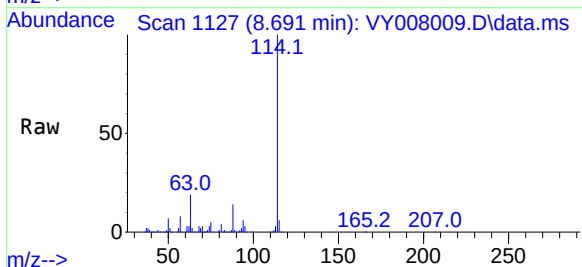
Tgt Ion: 114 Resp: 458580

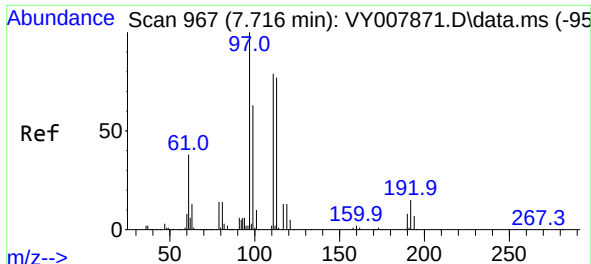
Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 14.4 0.0 31.8

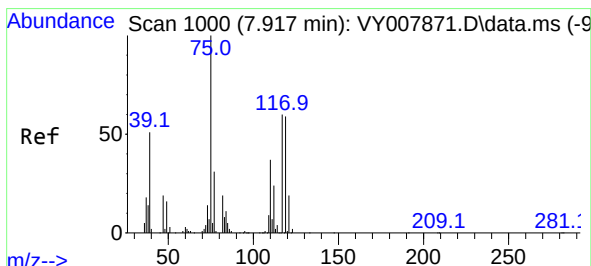
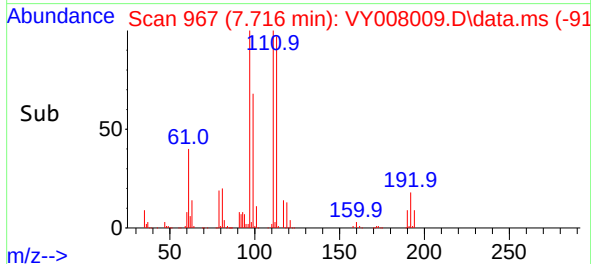
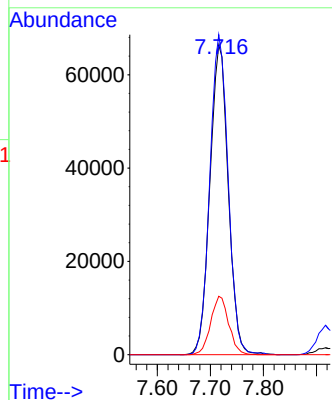
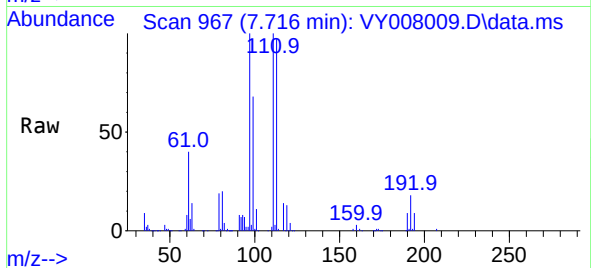




#35  
Dibromofluoromethane  
Concen: 49.450 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

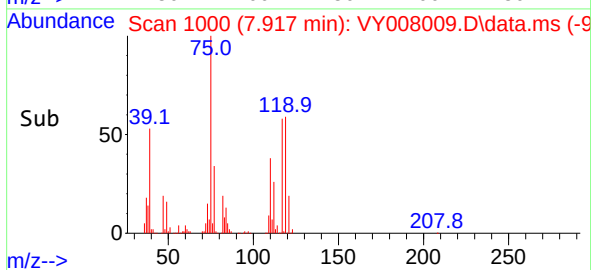
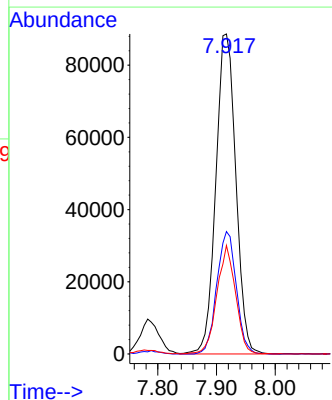
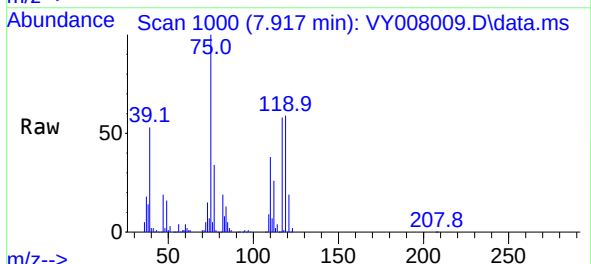
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

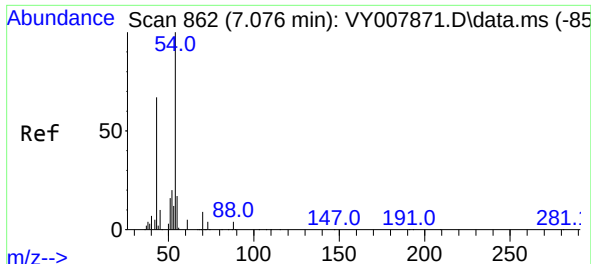
Tgt Ion:113 Resp: 159259  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.6 124.0  
192 18.6 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 43.911 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 75 Resp: 209748  
Ion Ratio Lower Upper  
75 100  
110 37.2 17.1 51.2  
77 31.7 24.4 36.6

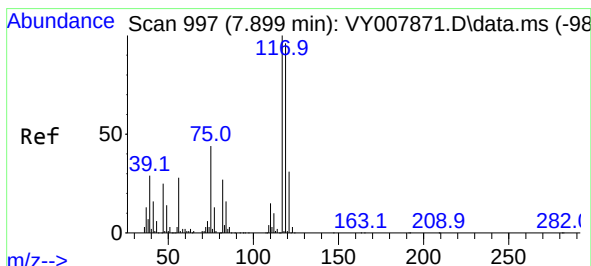
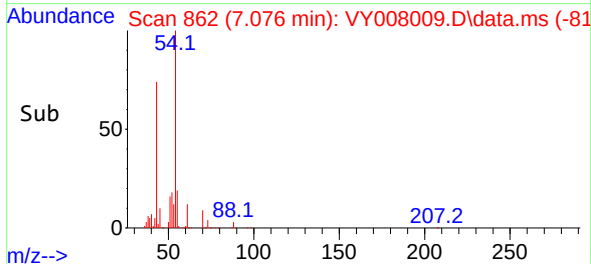
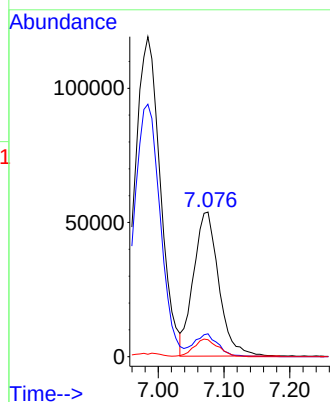
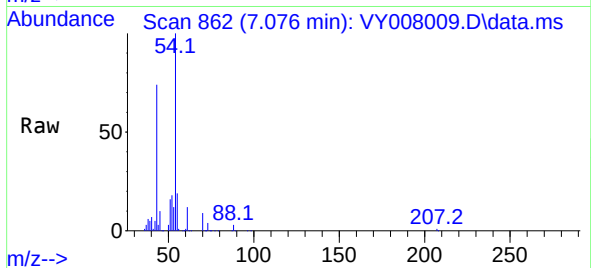




#37  
Ethyl Acetate  
Concen: 49.067 ug/l  
RT: 7.076 min Scan# 862  
Delta R.T. 0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

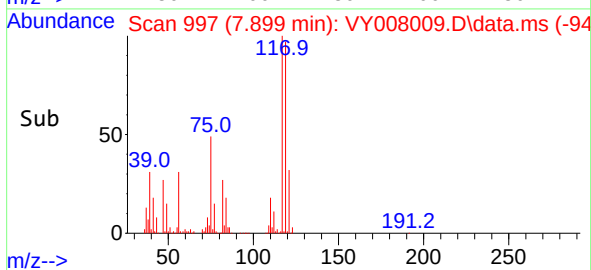
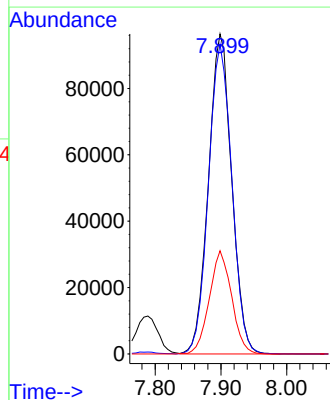
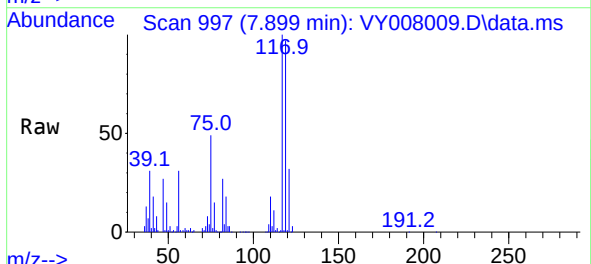
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

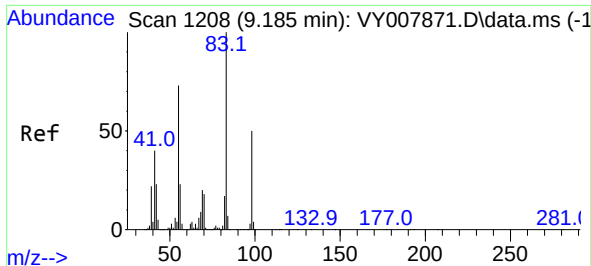
Tgt Ion: 43 Resp: 143013  
Ion Ratio Lower Upper  
43 100  
61 15.3 9.7 14.5#  
70 11.9 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 46.484 ug/l  
RT: 7.899 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 117 Resp: 237266  
Ion Ratio Lower Upper  
117 100  
119 96.8 77.9 116.9  
121 32.2 24.8 37.2





#39

Methylcyclohexane

Concen: 47.988 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

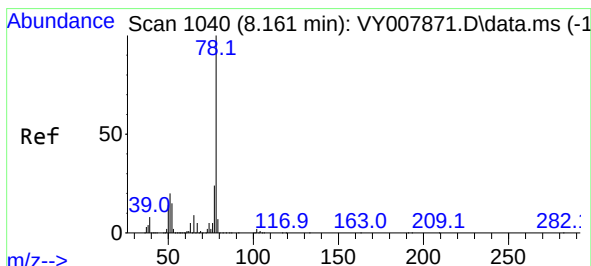
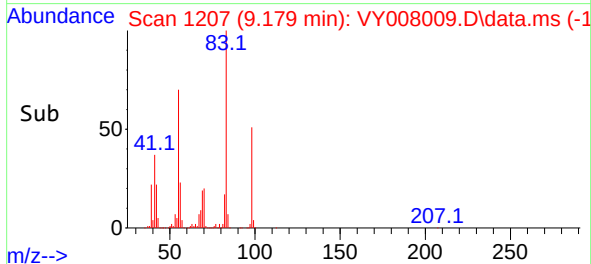
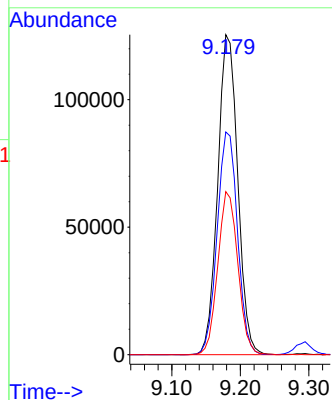
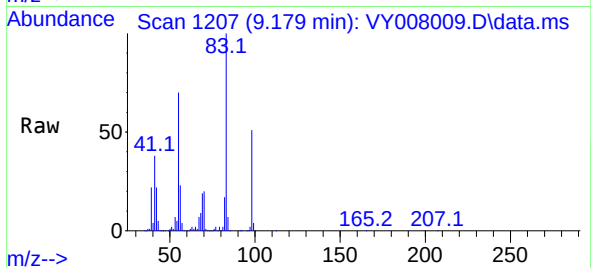
Tgt Ion: 83 Resp: 254576

Ion Ratio Lower Upper

83 100

55 69.6 66.5 99.7

98 50.9 37.9 56.9



#40

Benzene

Concen: 46.158 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY008009.D

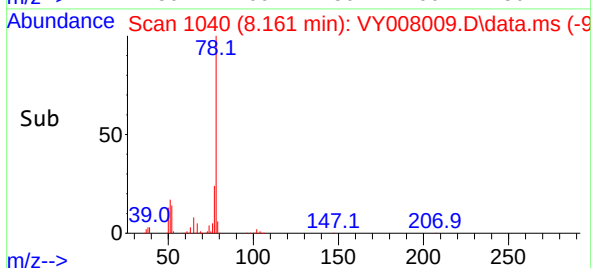
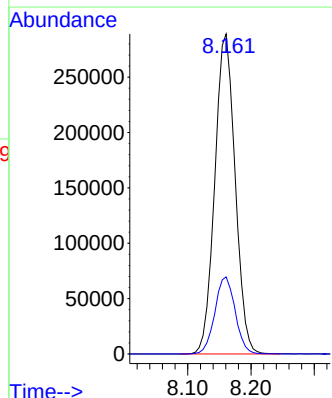
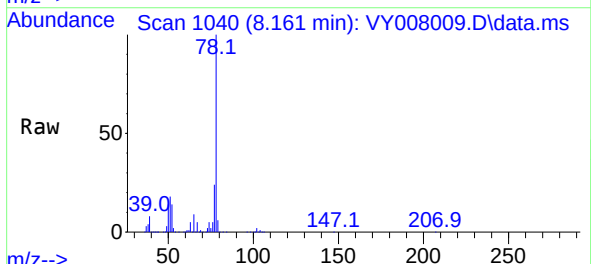
Acq: 22 Mar 2022 18:38

Tgt Ion: 78 Resp: 644304

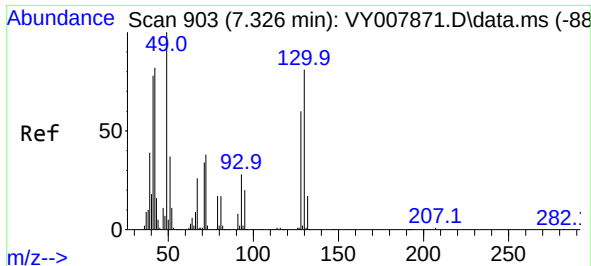
Ion Ratio Lower Upper

78 100

77 24.1 20.4 30.6



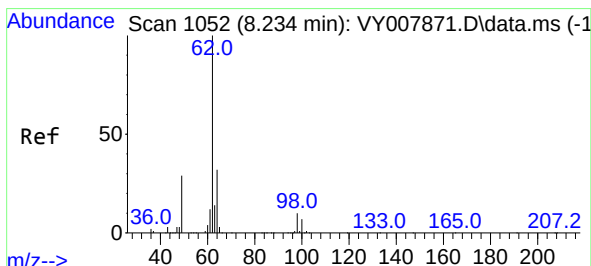
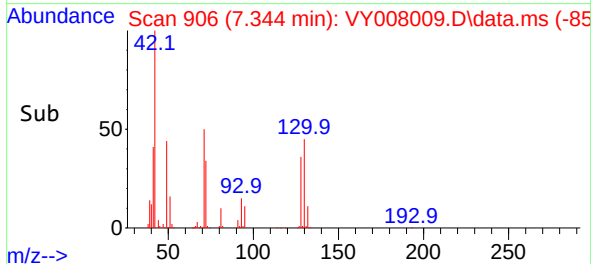
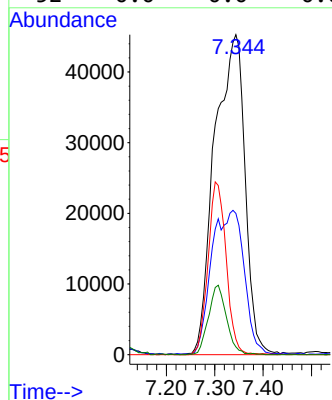
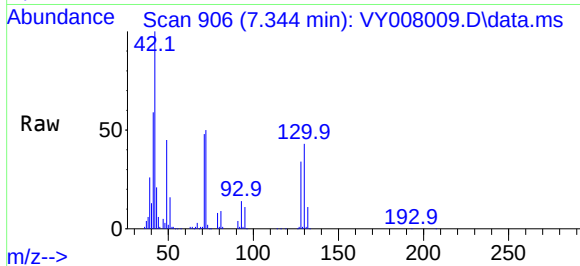




#41  
Methacrylonitrile  
Concen: 109.320 ug/l  
RT: 7.344 min Scan# 90  
Delta R.T. 0.036 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

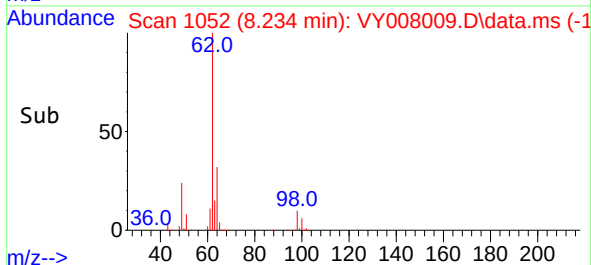
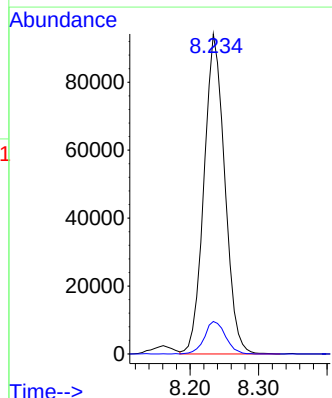
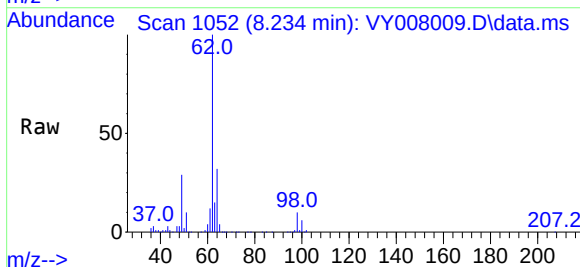
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

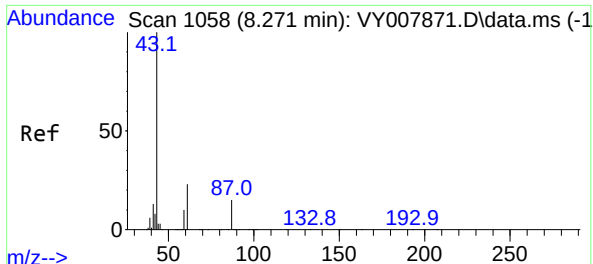
Tgt Ion: 41 Resp: 196502  
Ion Ratio Lower Upper  
41 100  
39 0.0 92.9 139.3#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 49.147 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 62 Resp: 198630  
Ion Ratio Lower Upper  
62 100  
98 10.3 0.0 14.8





#43

Isopropyl Acetate

Concen: 49.714 ug/l

RT: 8.270 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

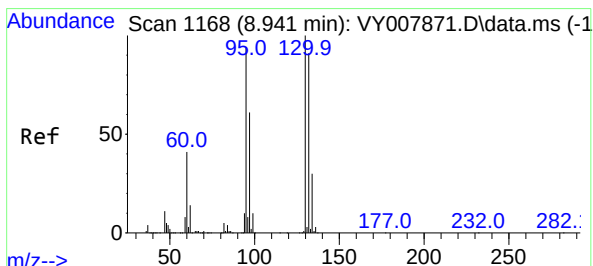
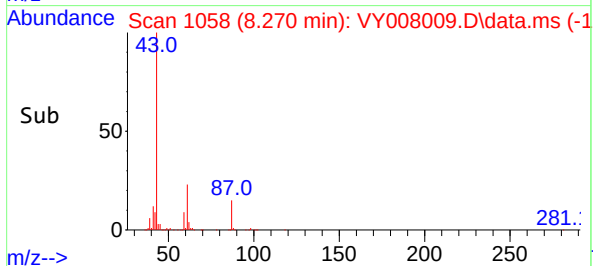
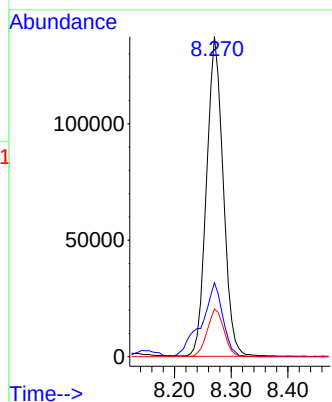
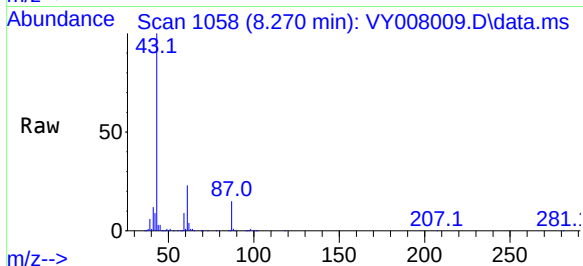
Tgt Ion: 43 Resp: 279346

Ion Ratio Lower Upper

43 100

61 29.9 20.2 30.2

87 15.1 8.9 13.3#



#44

Trichloroethene

Concen: 46.188 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. -0.000 min

Lab File: VY008009.D

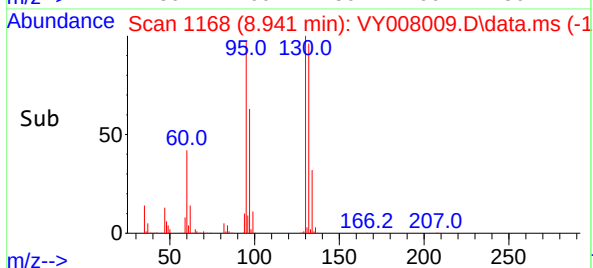
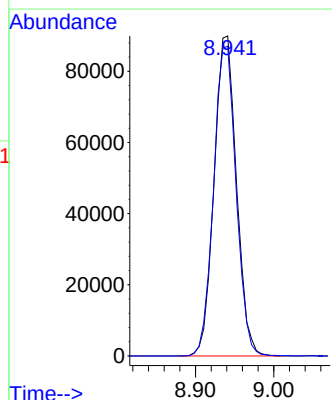
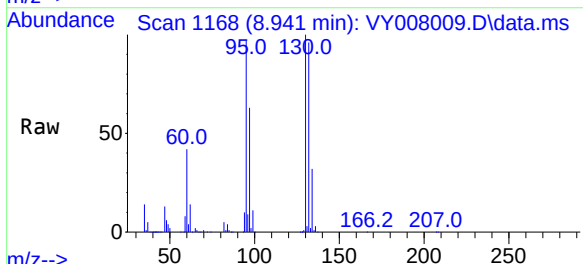
Acq: 22 Mar 2022 18:38

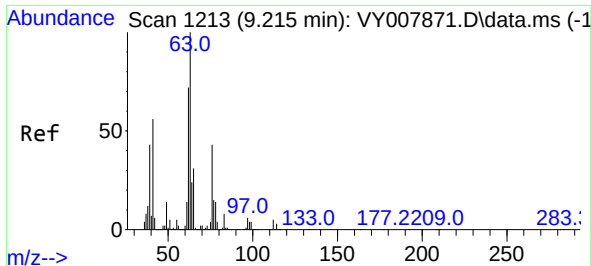
Tgt Ion:130 Resp: 178278

Ion Ratio Lower Upper

130 100

95 96.8 0.0 188.2





#45

1,2-Dichloropropane

Concen: 48.770 ug/l

RT: 9.215 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

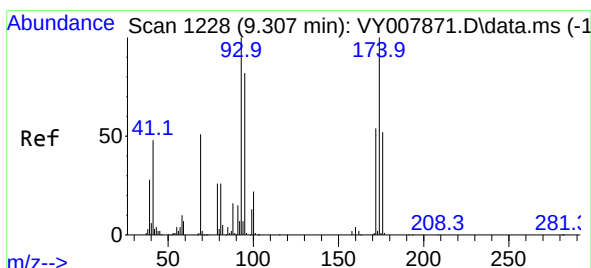
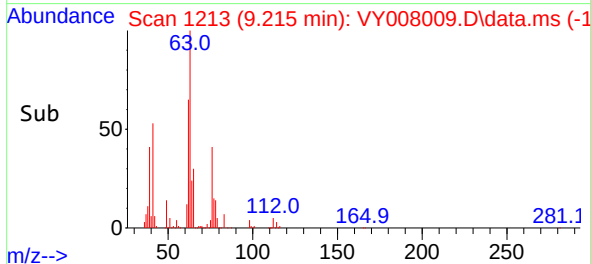
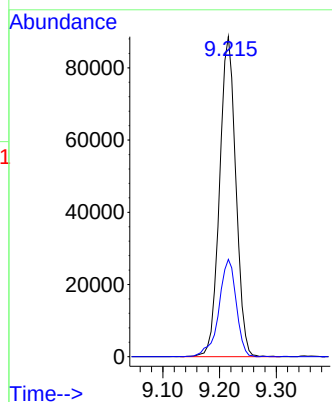
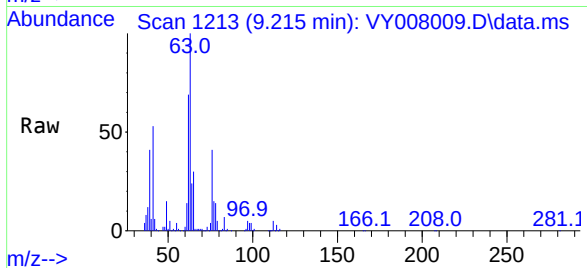
VSTDCCC050EC

Tgt Ion: 63 Resp: 176272

Ion Ratio Lower Upper

63 100

65 30.4 23.0 34.6



#46

Dibromomethane

Concen: 49.318 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

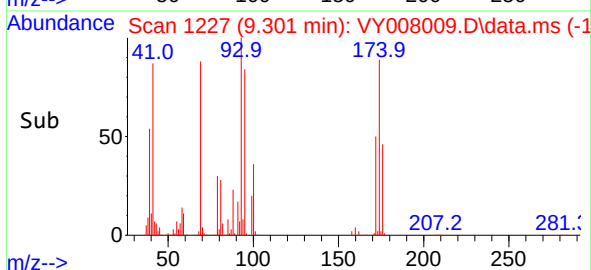
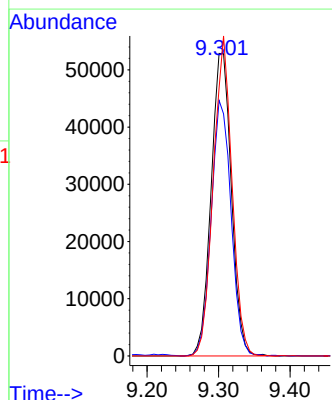
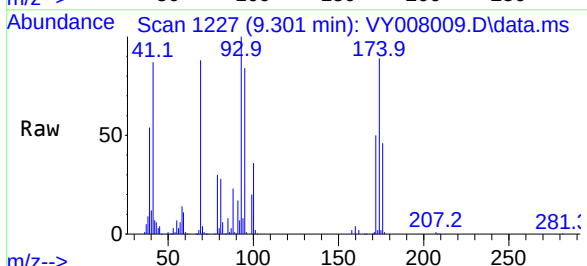
Tgt Ion: 93 Resp: 104277

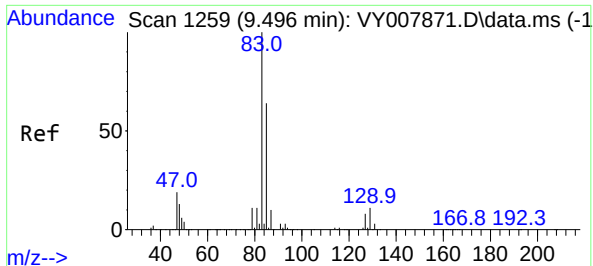
Ion Ratio Lower Upper

93 100

95 82.6 64.3 96.5

174 97.5 83.4 125.0

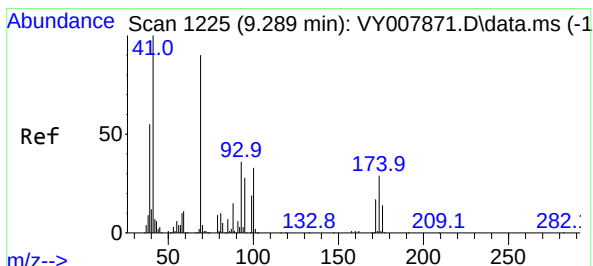
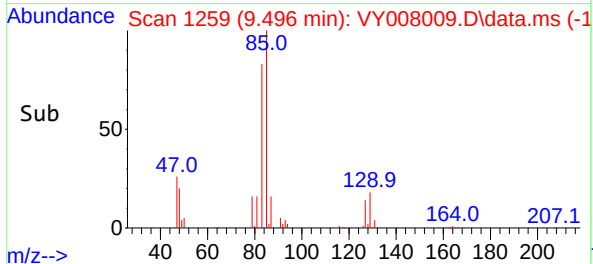
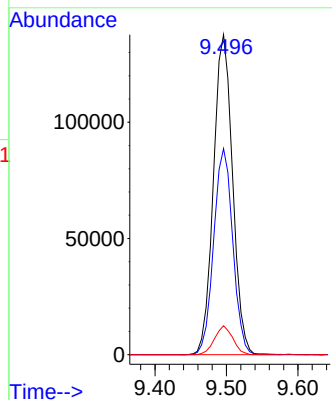
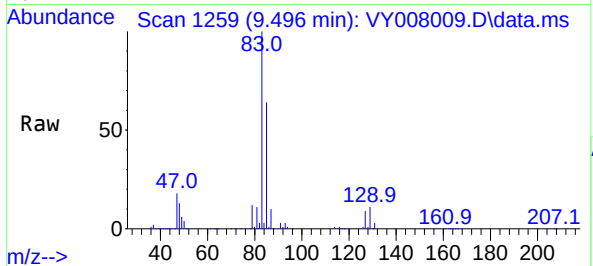




#47  
Bromodichloromethane  
Concen: 50.064 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

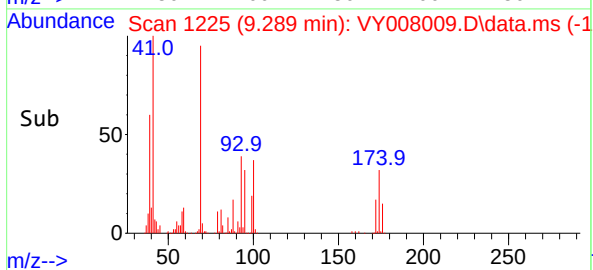
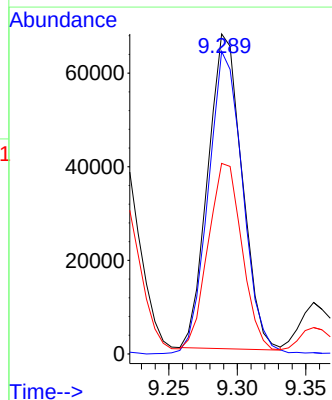
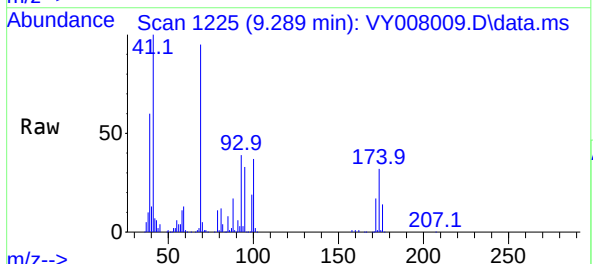
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

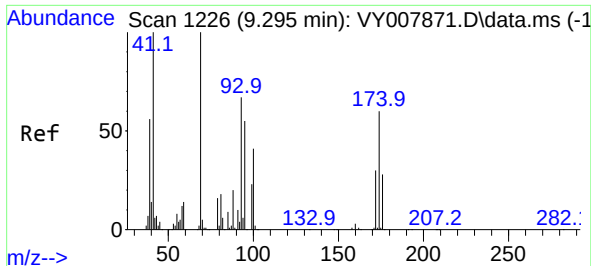
Tgt Ion: 83 Resp: 255729  
Ion Ratio Lower Upper  
83 100  
85 64.4 51.9 77.9  
127 9.1 6.6 10.0



#48  
Methyl methacrylate  
Concen: 46.677 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 41 Resp: 116673  
Ion Ratio Lower Upper  
41 100  
69 97.7 58.2 87.2#  
39 61.7 47.4 71.0





#49

1,4-Dioxane

Concen: 1076.882 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

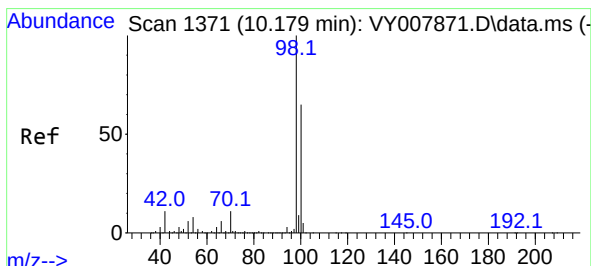
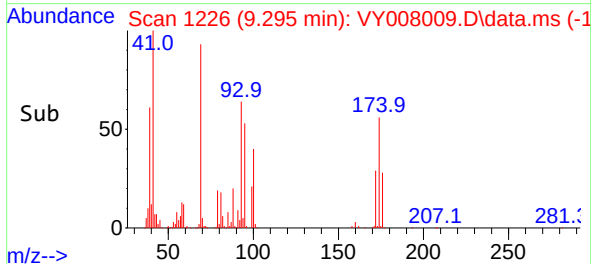
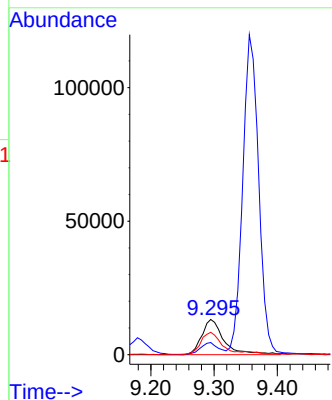
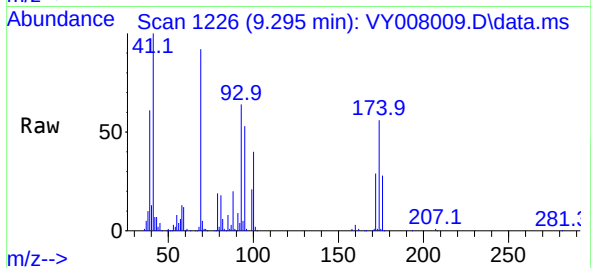
Tgt Ion: 88 Resp: 32247

Ion Ratio Lower Upper

88 100

43 27.0 32.8 49.2#

58 59.4 59.8 89.6#



#50

Toluene-d8

Concen: 54.429 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY008009.D

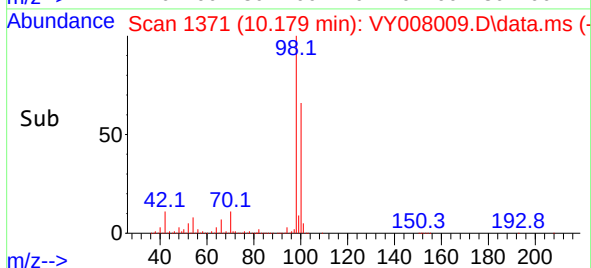
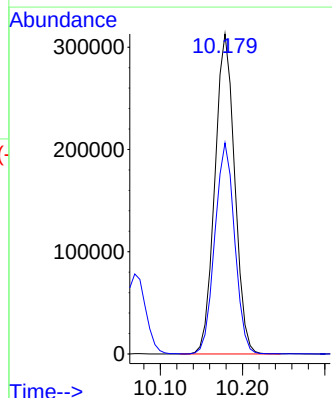
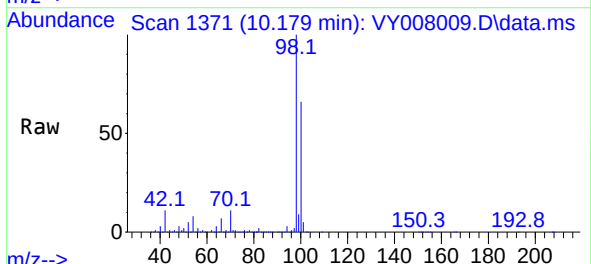
Acq: 22 Mar 2022 18:38

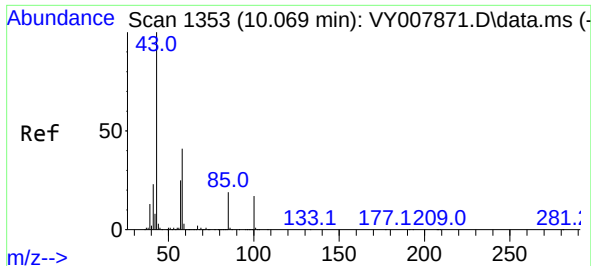
Tgt Ion: 98 Resp: 524119

Ion Ratio Lower Upper

98 100

100 65.8 50.2 75.2

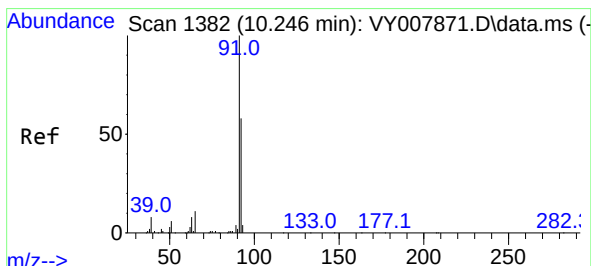
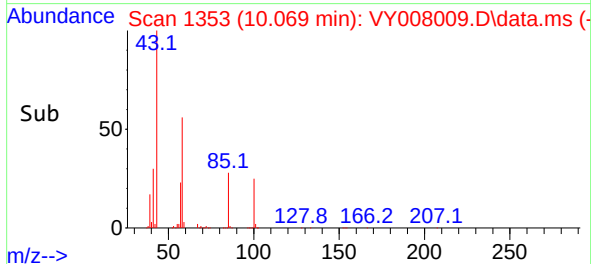
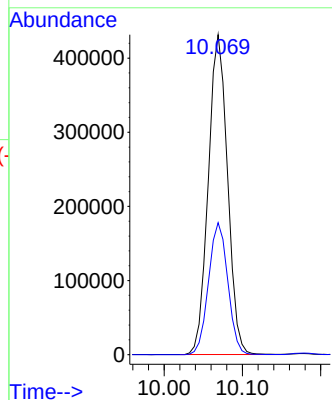
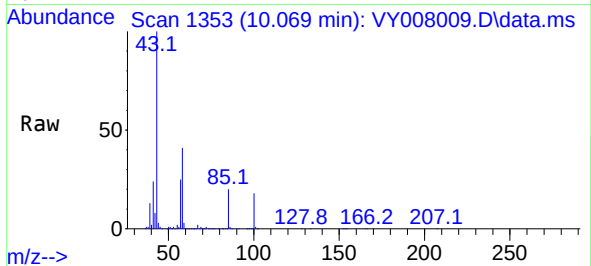




#51  
4-Methyl-2-Pentanone  
Concen: 248.737 ug/l  
RT: 10.069 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

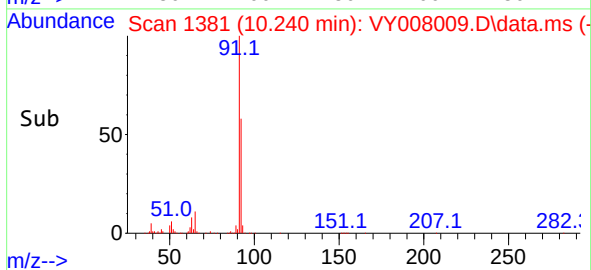
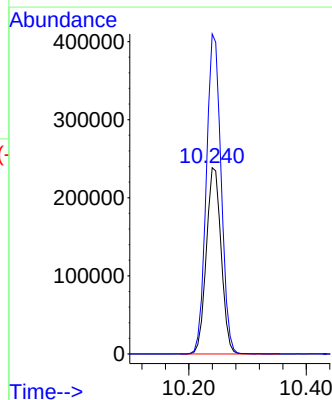
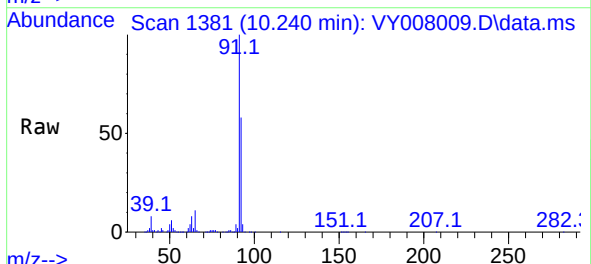
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

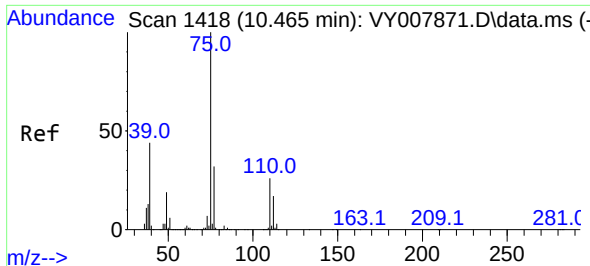
Tgt Ion: 43 Resp: 736379  
Ion Ratio Lower Upper  
43 100  
58 41.3 28.1 42.1



#52  
Toluene  
Concen: 46.622 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 92 Resp: 417934  
Ion Ratio Lower Upper  
92 100  
91 171.2 142.6 213.8

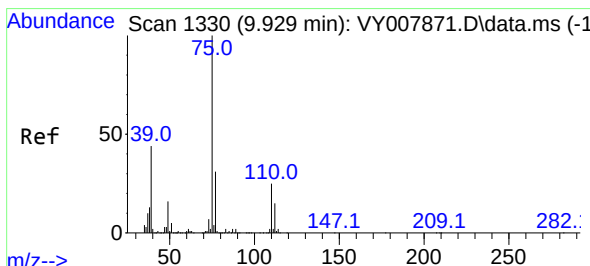
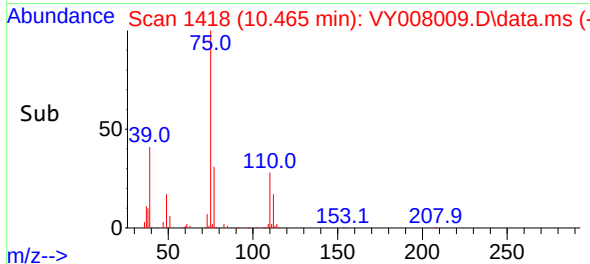
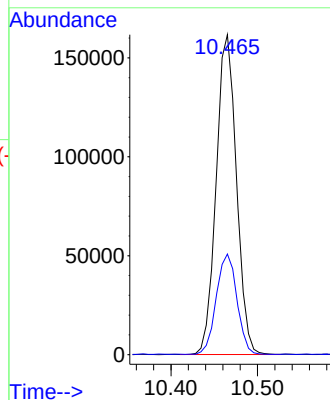
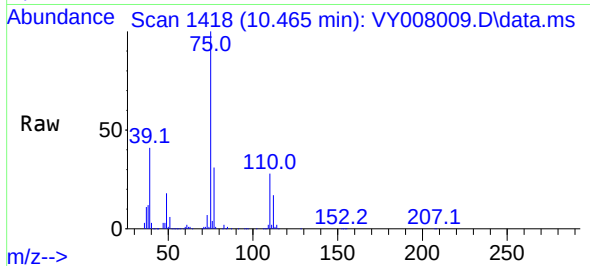




#53  
t-1,3-Dichloropropene  
Concen: 48.210 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

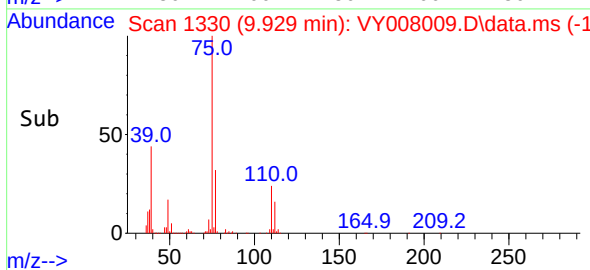
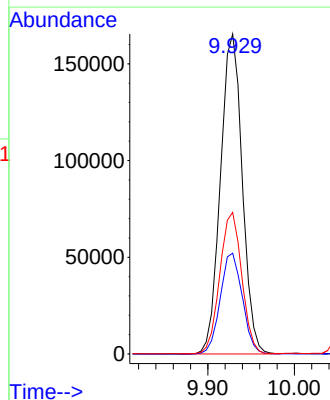
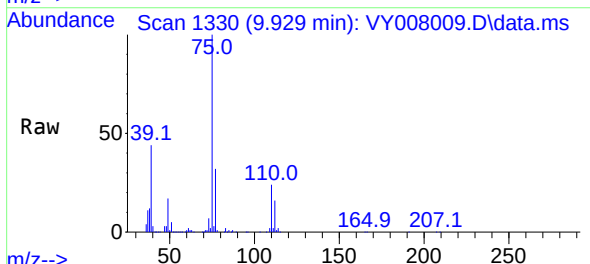
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

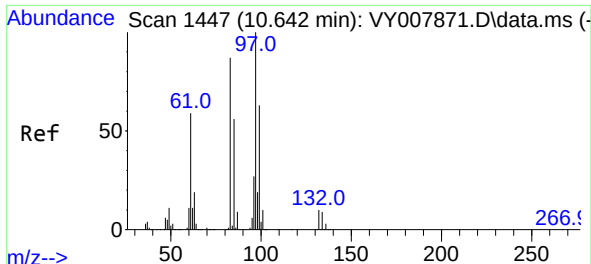
Tgt Ion: 75 Resp: 262702  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 47.621 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 75 Resp: 289374  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.6 38.4  
39 44.2 47.6 71.4#



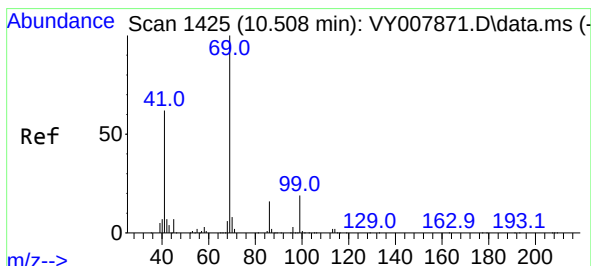
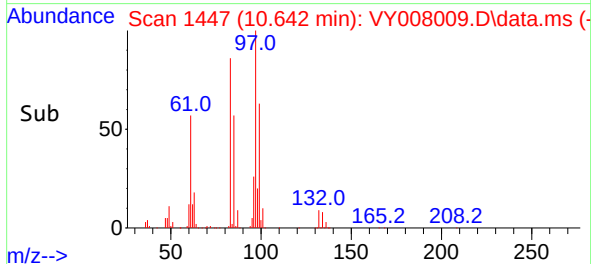
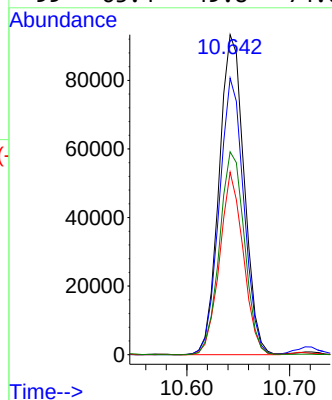
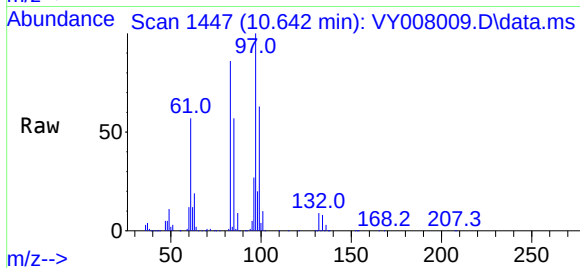


#55  
1,1,2-Trichloroethane  
Concen: 51.426 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 157975

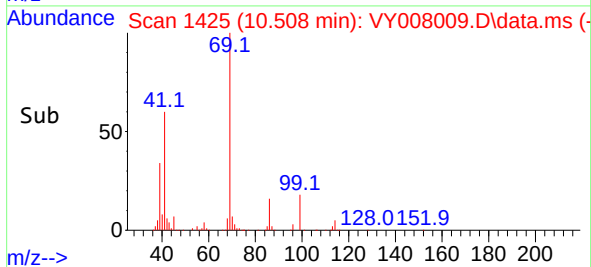
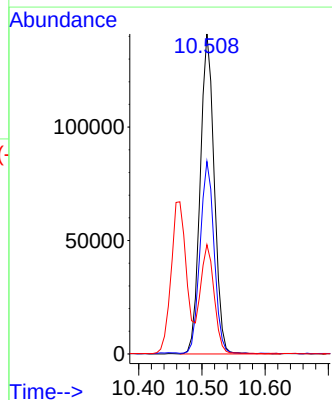
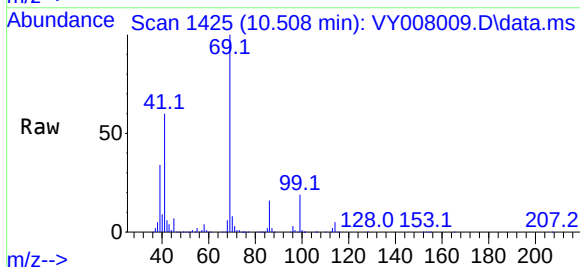
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 86.5  | 69.8  | 104.8 |
| 85  | 57.1  | 44.3  | 66.5  |
| 99  | 63.4  | 49.8  | 74.6  |



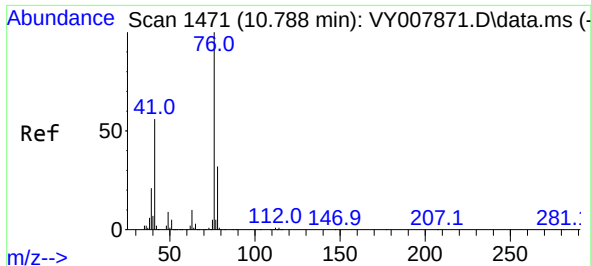
#56  
Ethyl methacrylate  
Concen: 49.464 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 69 Resp: 218136

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 60.2  | 63.4  | 95.0# |
| 39  | 32.5  | 35.8  | 53.8# |







#57

1,3-Dichloropropane

Concen: 50.209 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

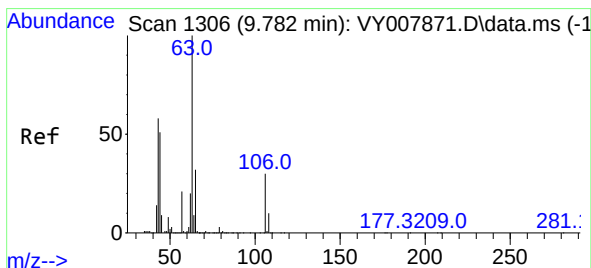
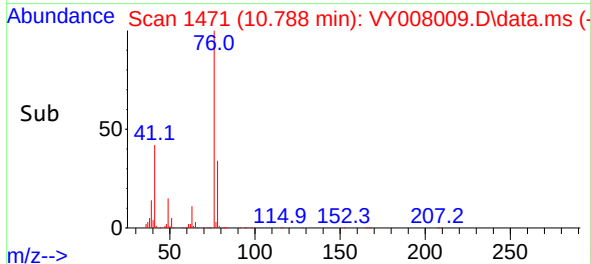
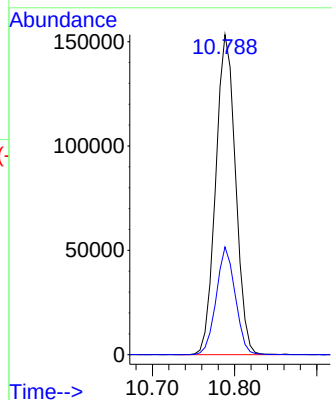
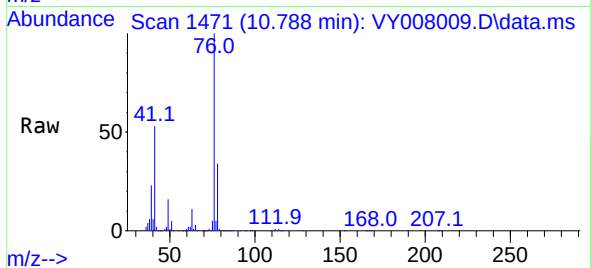
VSTDCCC050EC

Tgt Ion: 76 Resp: 257206

Ion Ratio Lower Upper

76 100

78 32.3 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 242.243 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VY008009.D

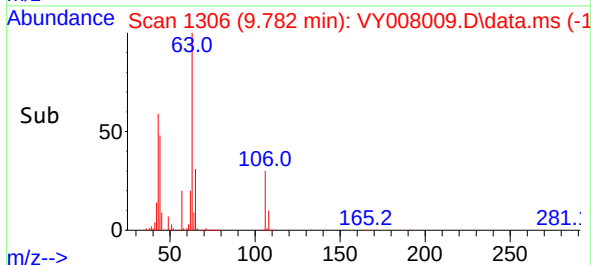
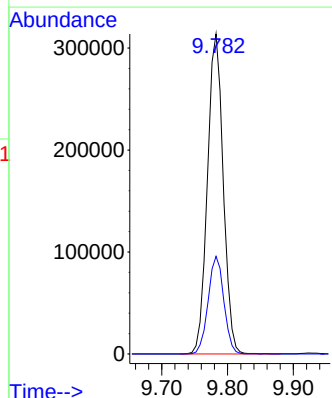
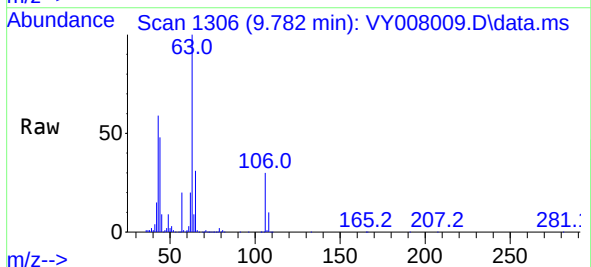
Acq: 22 Mar 2022 18:38

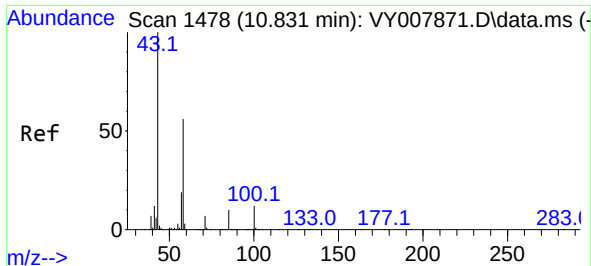
Tgt Ion: 63 Resp: 524063

Ion Ratio Lower Upper

63 100

106 30.4 21.5 32.3

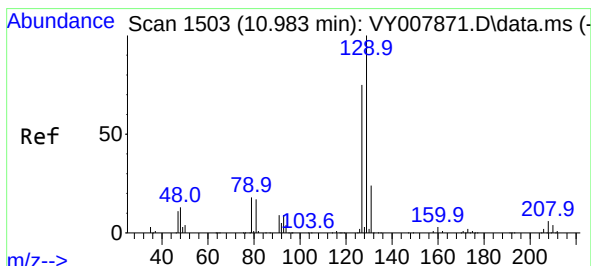
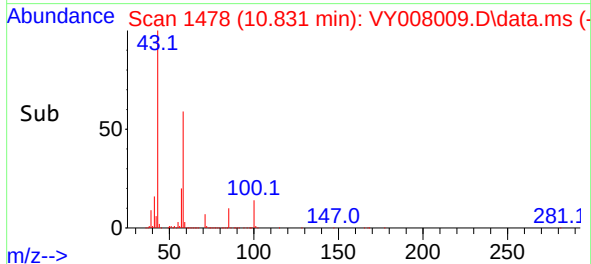
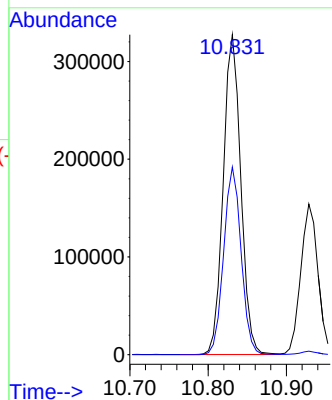
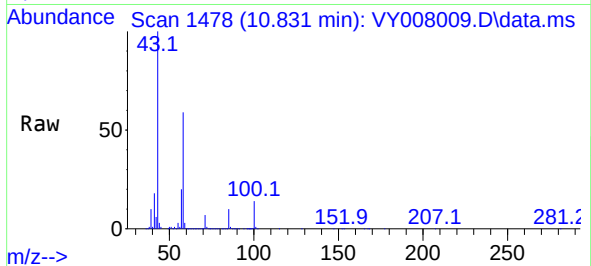




#59  
2-Hexanone  
Concen: 241.551 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

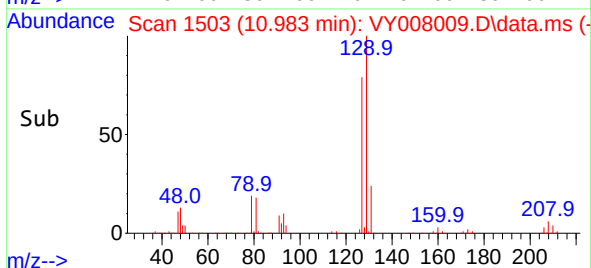
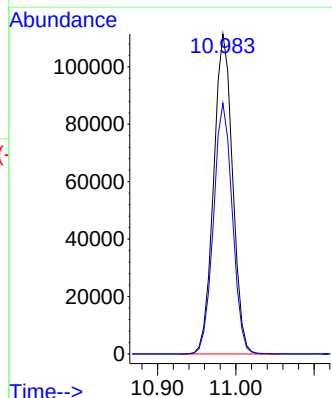
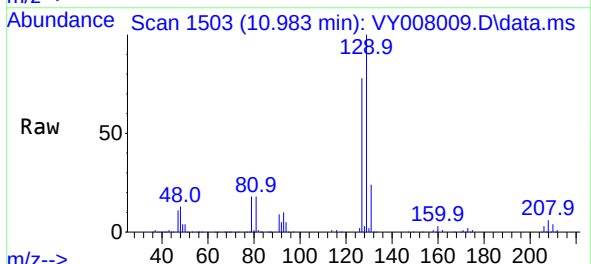
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

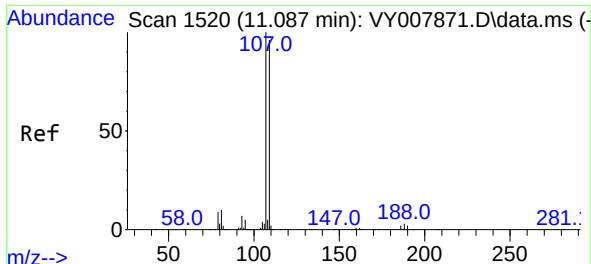
Tgt Ion: 43 Resp: 511380  
Ion Ratio Lower Upper  
43 100  
58 58.2 24.4 73.4



#60  
Dibromochloromethane  
Concen: 50.889 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion:129 Resp: 187225  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.7 116.1

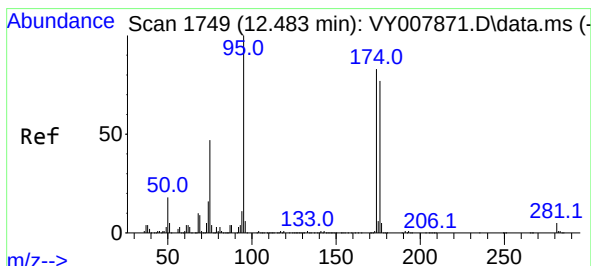
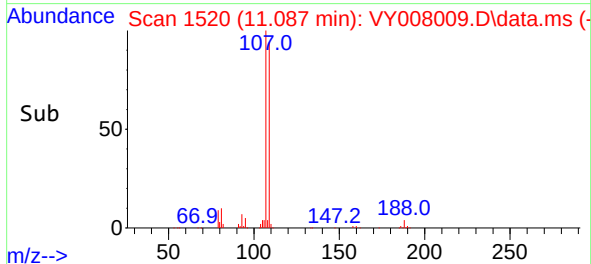
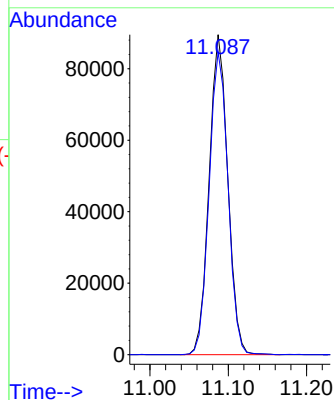
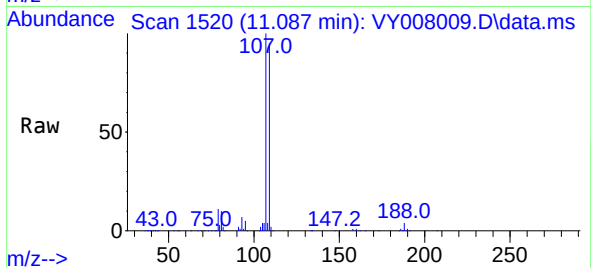




#61  
1,2-Dibromoethane  
Concen: 49.779 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

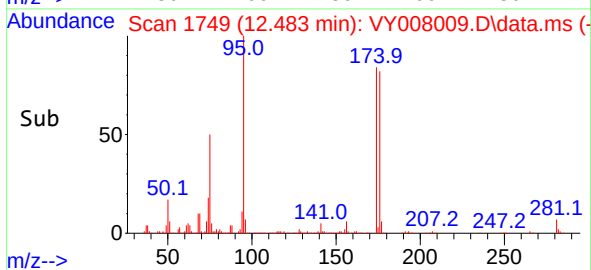
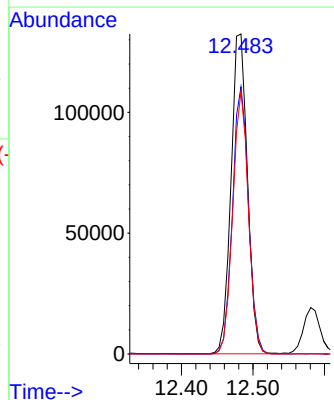
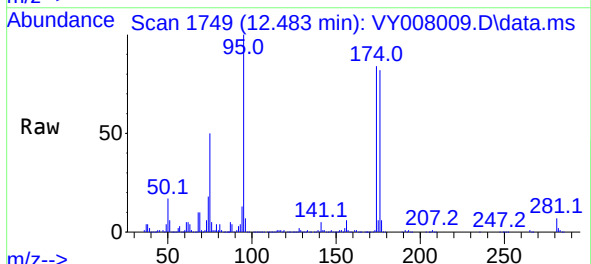
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ClientSampleId :  
VSTDCCC050EC

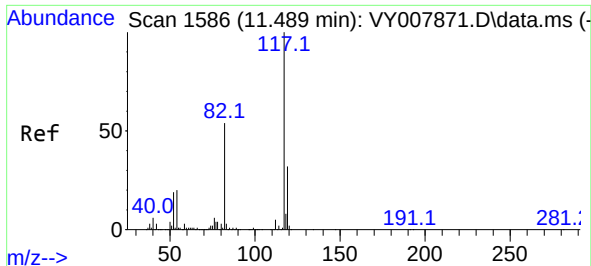
Tgt Ion:107 Resp: 147933  
Ion Ratio Lower Upper  
107 100  
109 95.6 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 45.635 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 95 Resp: 210933  
Ion Ratio Lower Upper  
95 100  
174 81.5 0.0 177.0  
176 78.2 0.0 175.8

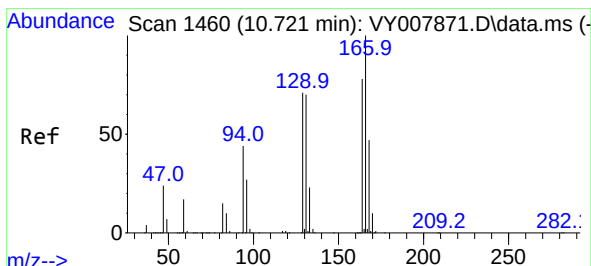
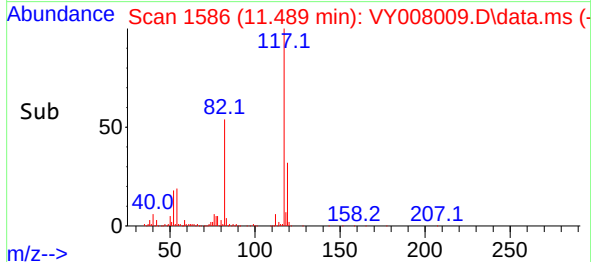
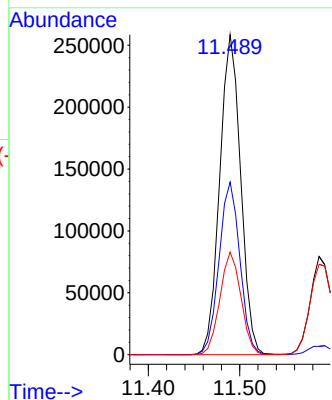
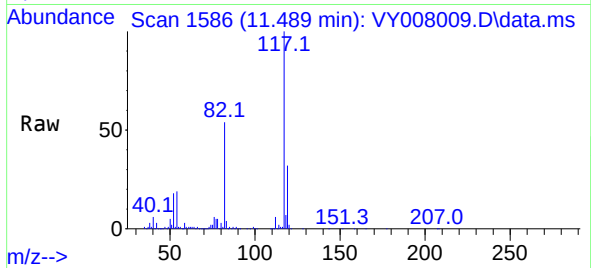




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

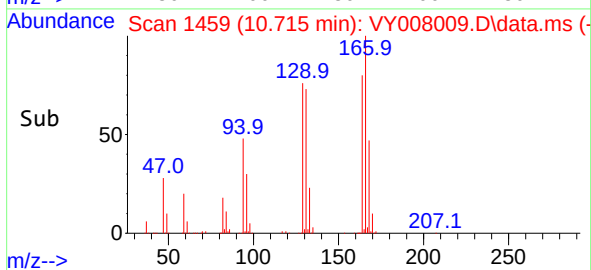
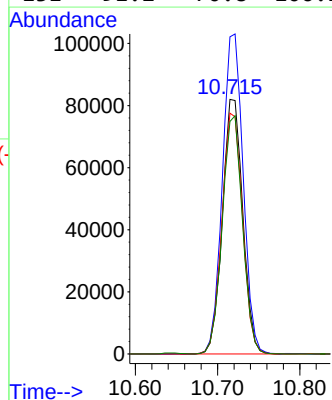
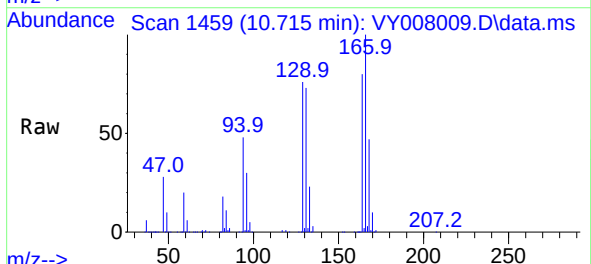
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

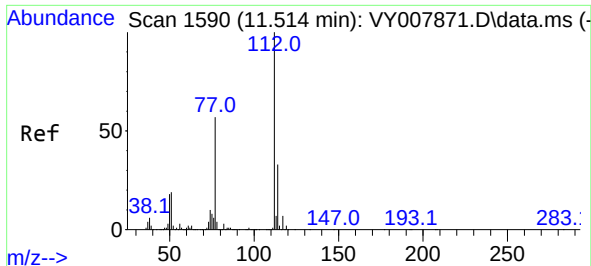
Tgt Ion:117 Resp: 412249  
Ion Ratio Lower Upper  
117 100  
82 54.0 43.0 64.4  
119 32.1 25.4 38.0



#64  
Tetrachloroethene  
Concen: 44.061 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion:164 Resp: 141346  
Ion Ratio Lower Upper  
164 100  
166 124.5 100.4 150.6  
129 94.6 71.4 107.0  
131 91.2 70.8 106.2

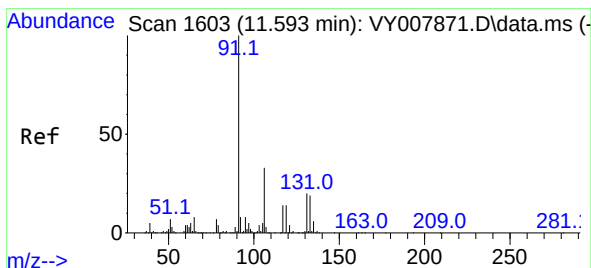
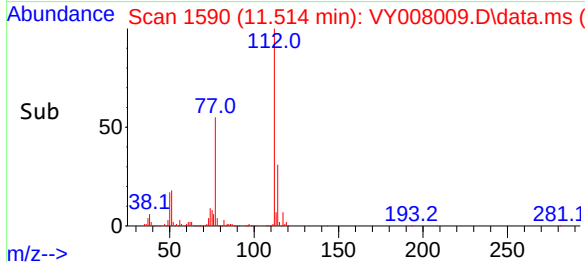
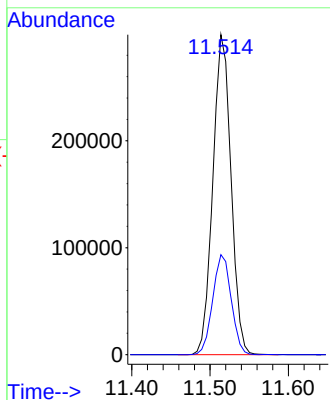
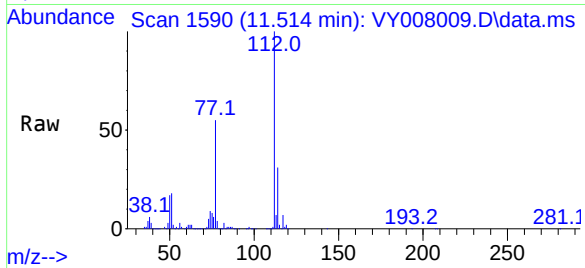




#65  
Chlorobenzene  
Concen: 48.826 ug/l  
RT: 11.514 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

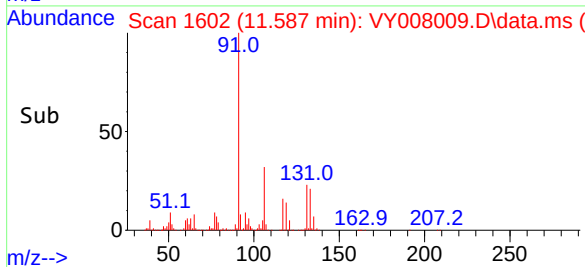
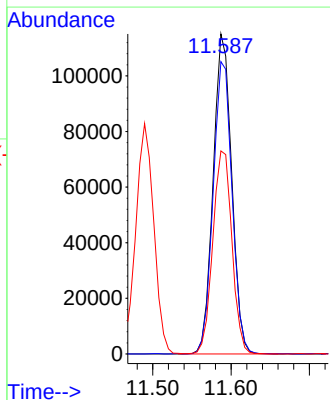
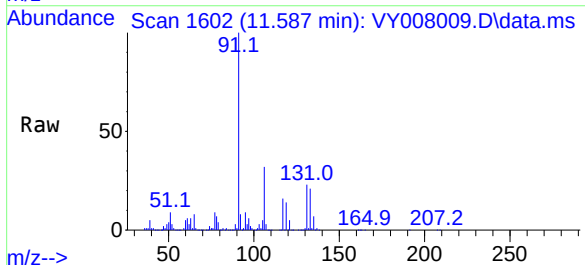
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

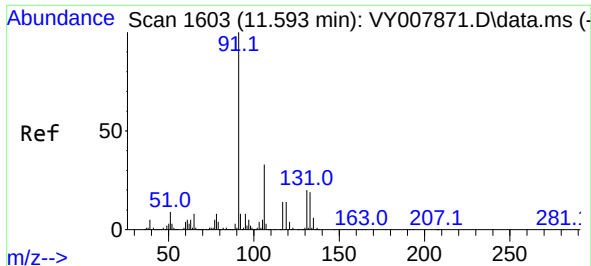
Tgt Ion:112 Resp: 482178  
Ion Ratio Lower Upper  
112 100  
114 31.2 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.730 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion:131 Resp: 188624  
Ion Ratio Lower Upper  
131 100  
133 93.3 47.9 143.6  
119 65.7 30.8 92.3

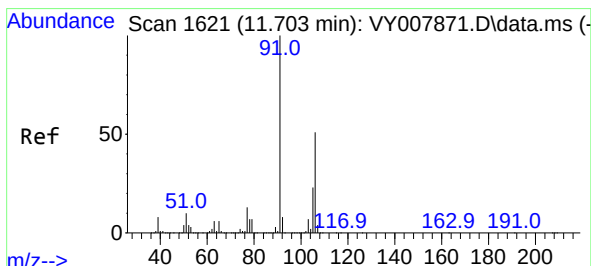
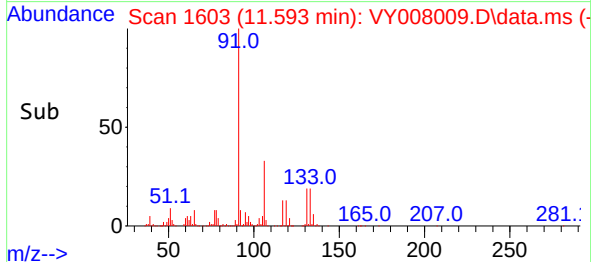
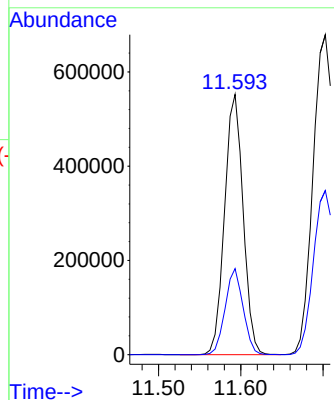
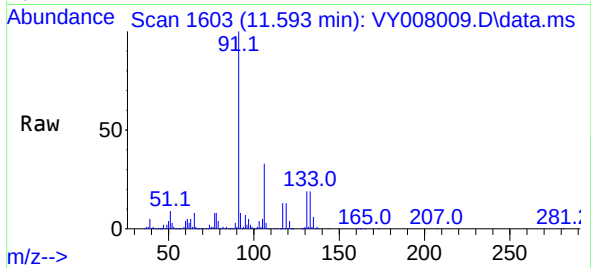




#67  
Ethyl Benzene  
Concen: 49.238 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

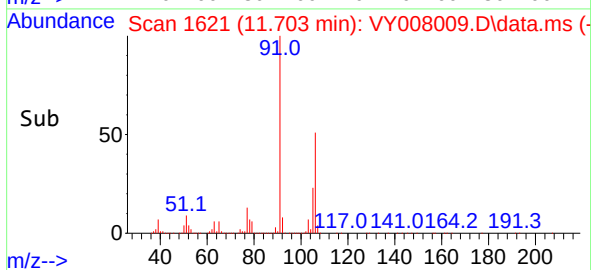
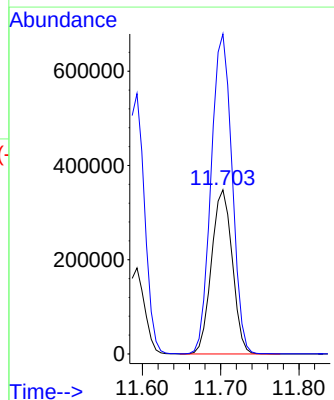
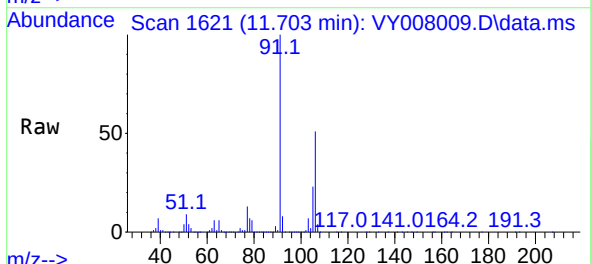
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

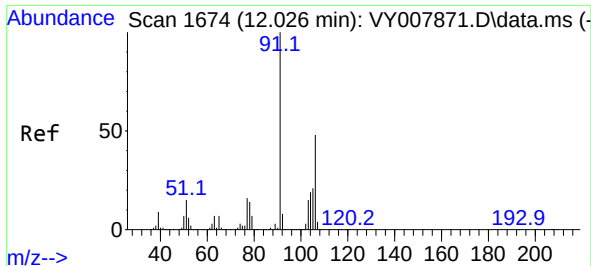
Tgt Ion: 91 Resp: 866174  
Ion Ratio Lower Upper  
91 100  
106 33.0 24.5 36.7



#68  
m/p-Xylenes  
Concen: 93.586 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 106 Resp: 642192  
Ion Ratio Lower Upper  
106 100  
91 196.1 166.6 249.8

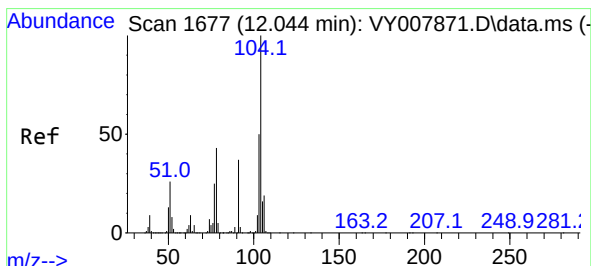
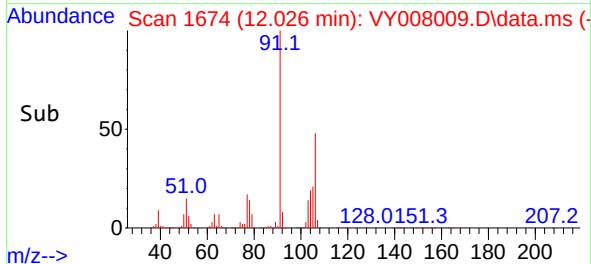
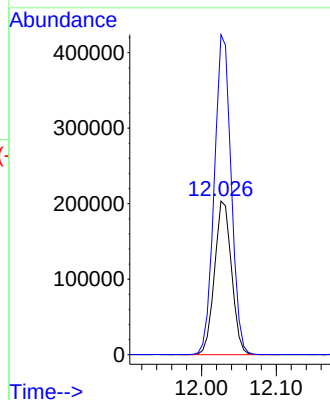
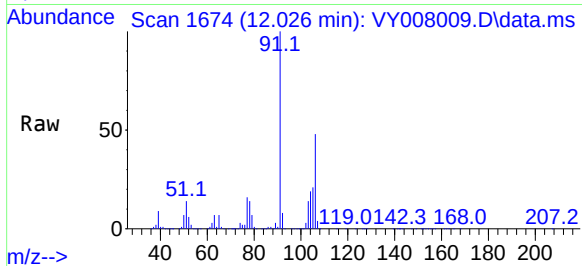




#69  
o-Xylene  
Concen: 48.478 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

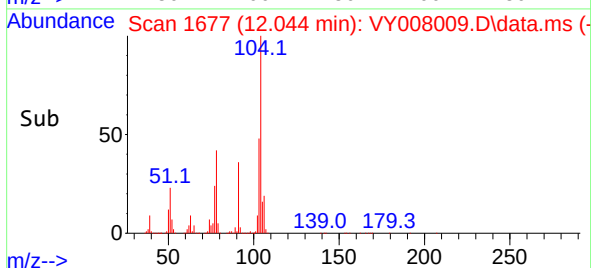
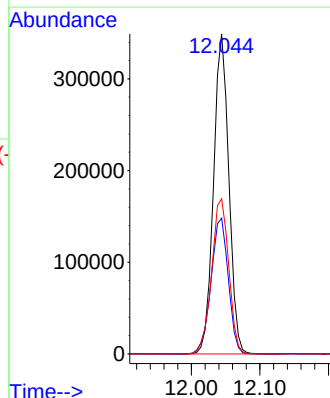
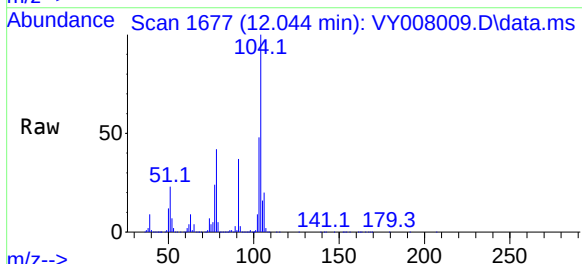
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

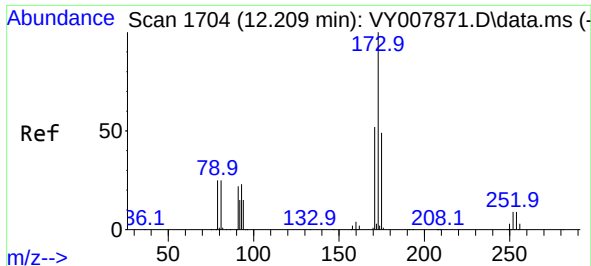
Tgt Ion:106 Resp: 321771  
Ion Ratio Lower Upper  
106 100  
91 206.8 110.3 331.0



#70  
Styrene  
Concen: 48.474 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion:104 Resp: 540943  
Ion Ratio Lower Upper  
104 100  
78 47.8 42.4 63.6  
103 54.1 44.4 66.6

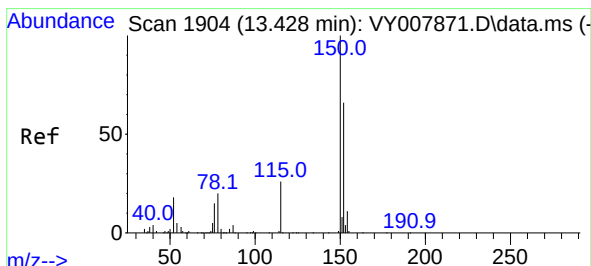
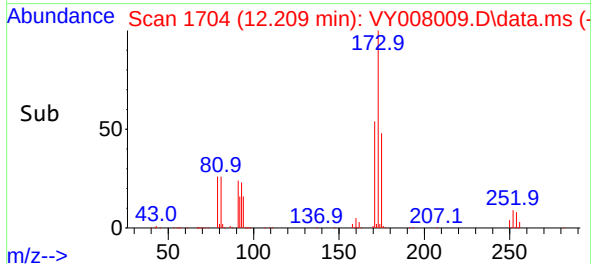
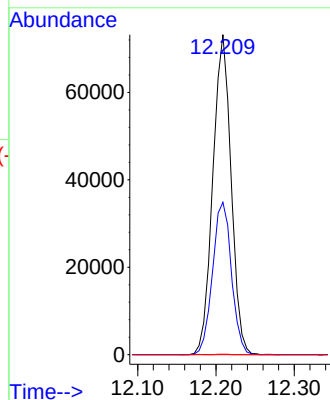
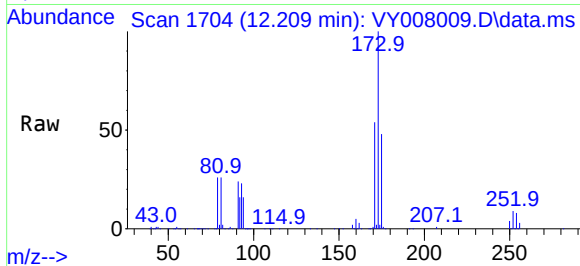




#71  
Bromoform  
Concen: 49.793 ug/l  
RT: 12.209 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

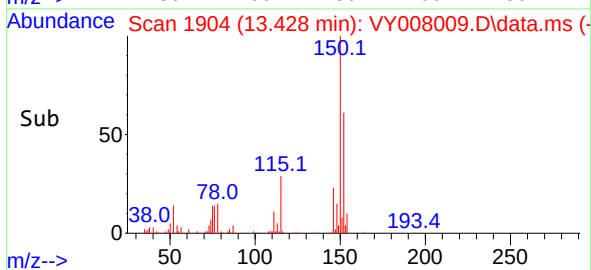
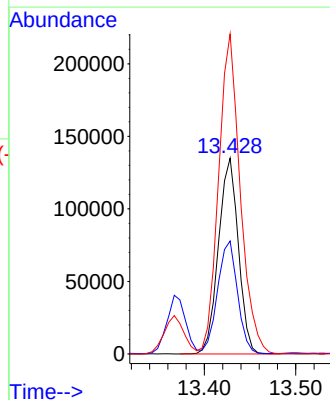
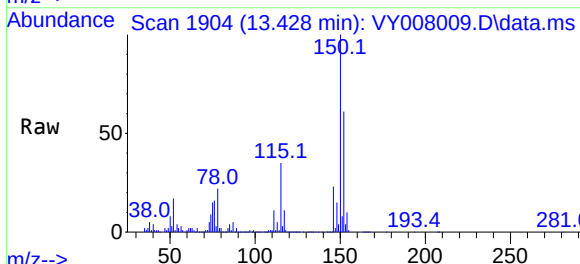
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:173 Resp: 118585  
Ion Ratio Lower Upper  
173 100  
175 49.2 24.6 74.0  
254 0.1 0.0 0.0#

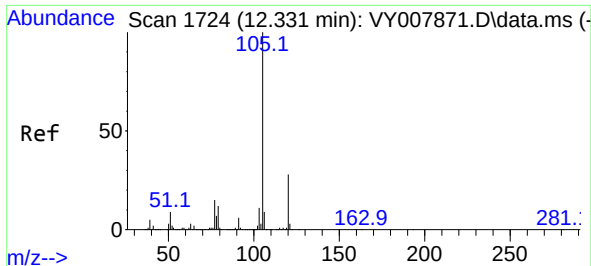


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion:152 Resp: 204472  
Ion Ratio Lower Upper  
152 100  
115 57.2 28.2 84.7  
150 177.6 0.0 347.6



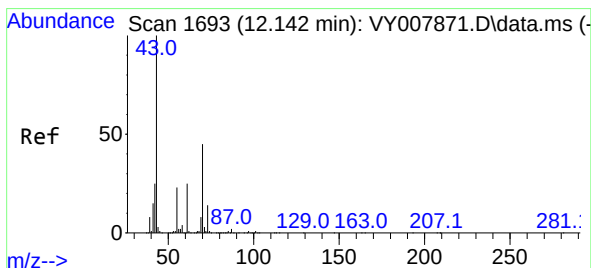
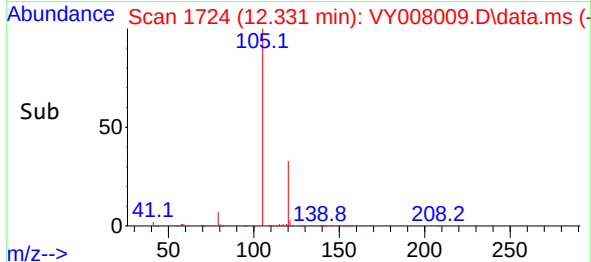
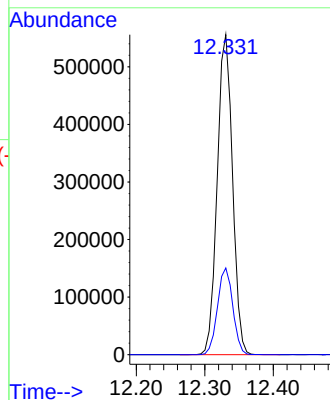
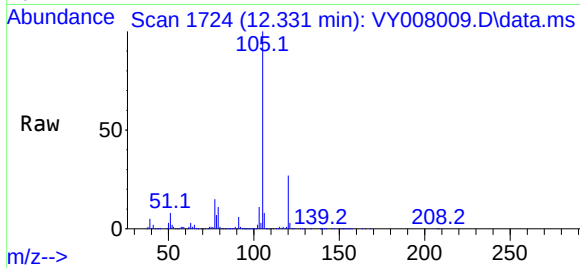




#73  
Isopropylbenzene  
Concen: 47.623 ug/l  
RT: 12.331 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

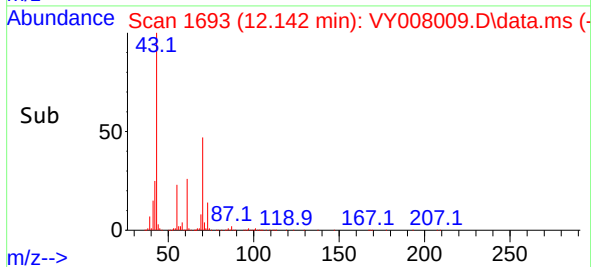
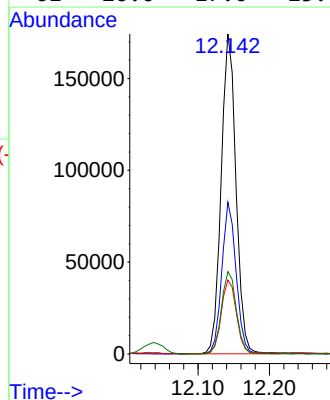
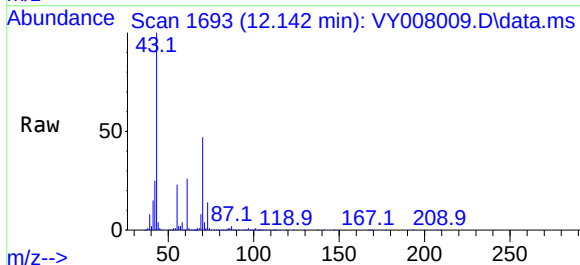
Instrument :  
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ClientSampleId :  
VSTDCCC050EC

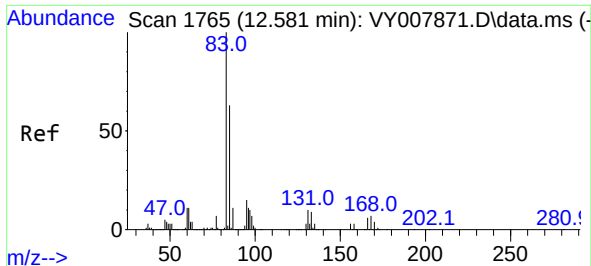
Tgt Ion:105 Resp: 857115  
Ion Ratio Lower Upper  
105 100  
120 27.2 13.4 40.2



#74  
N-ethyl acetate  
Concen: 47.206 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 43 Resp: 250663  
Ion Ratio Lower Upper  
43 100  
70 46.2 28.7 43.1#  
55 23.8 17.3 25.9  
61 26.0 17.0 25.6#

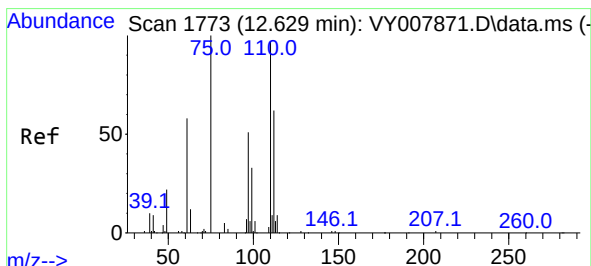
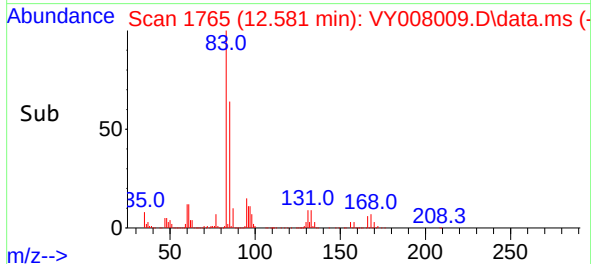
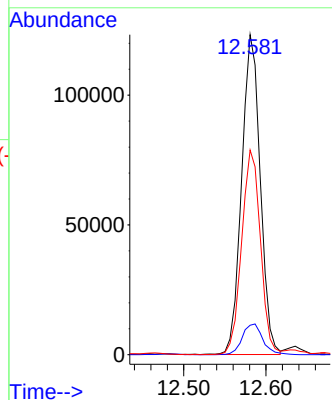
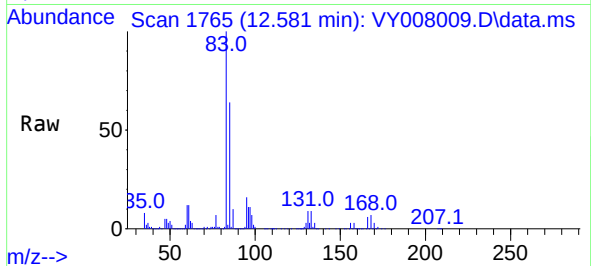




#75  
1,1,2-Tetrachloroethane  
Concen: 50.043 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

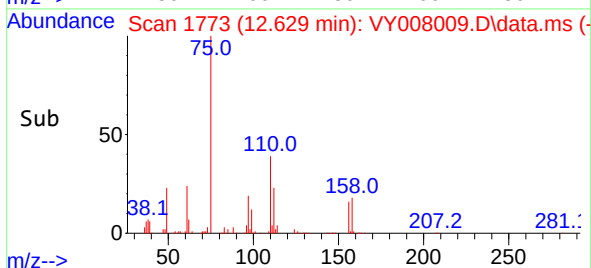
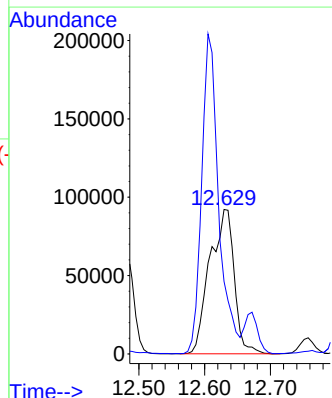
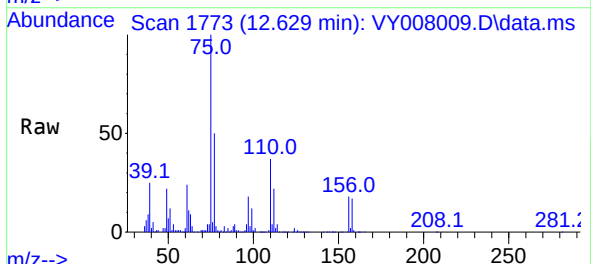
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

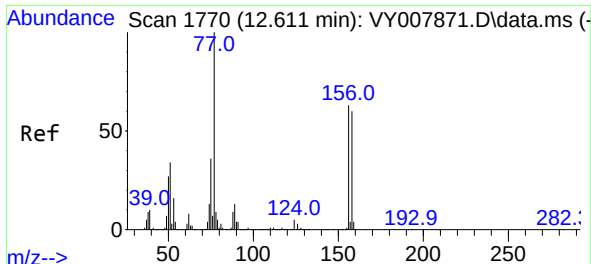
Tgt Ion: 83 Resp: 193877  
Ion Ratio Lower Upper  
83 100  
131 10.6 5.6 16.8  
85 65.0 32.3 96.8



#76  
1,2,3-Trichloropropane  
Concen: 82.011 ug/l  
RT: 12.629 min Scan# 1773  
Delta R.T. -0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 75 Resp: 239015  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

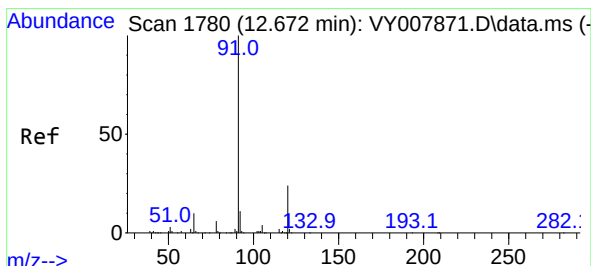
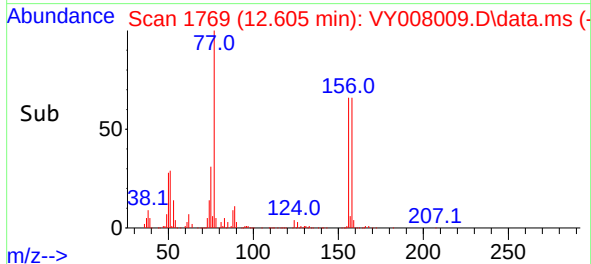
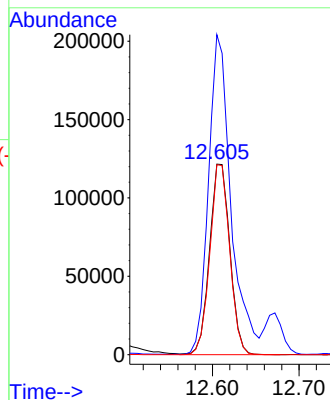
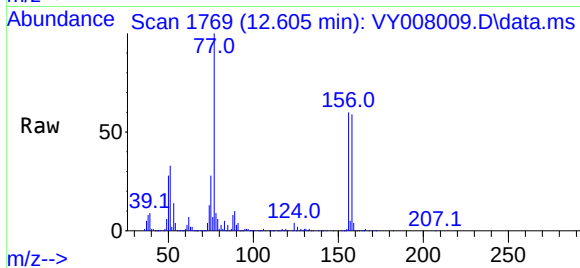




#77  
Bromobenzene  
Concen: 48.245 ug/l  
RT: 12.605 min Scan# 1769  
Delta R.T. -0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

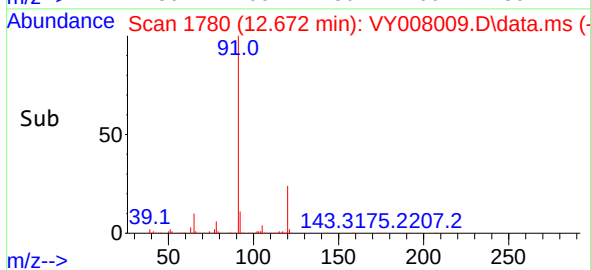
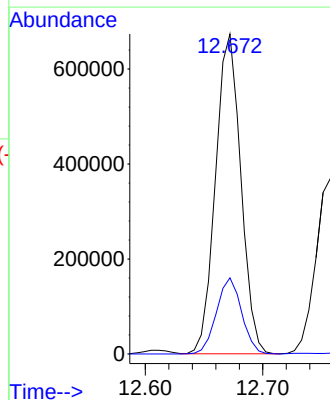
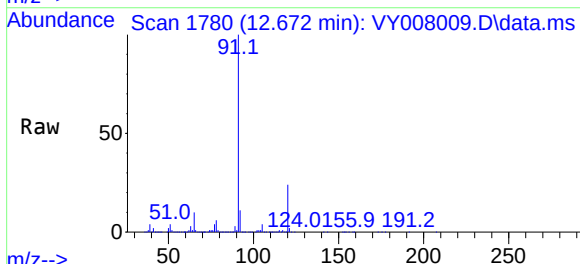
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

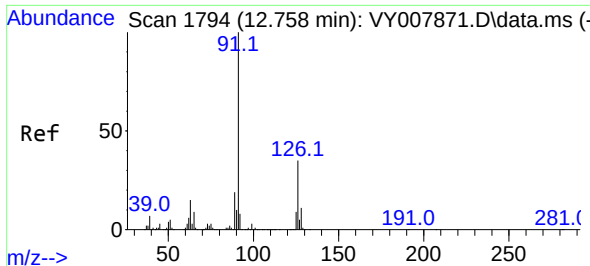
Tgt Ion:156 Resp: 198421  
Ion Ratio Lower Upper  
156 100  
77 185.0 95.5 286.4  
158 97.1 48.0 144.0



#78  
n-propylbenzene  
Concen: 46.315 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 91 Resp: 1006575  
Ion Ratio Lower Upper  
91 100  
120 23.6 11.3 33.9

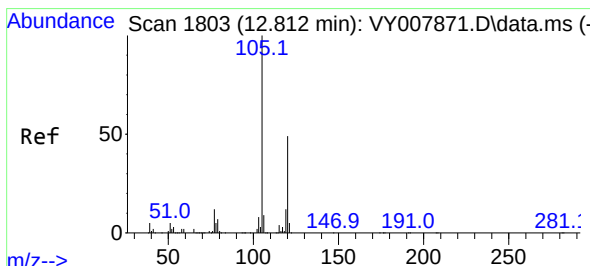
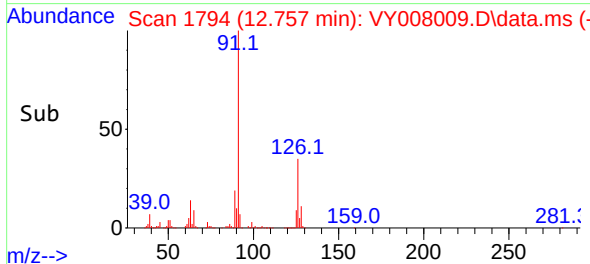
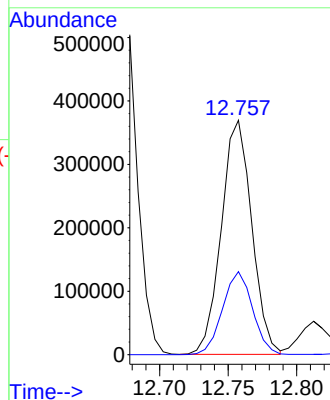
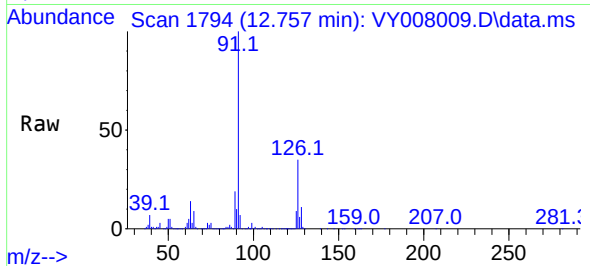




#79  
2-Chlorotoluene  
Concen: 46.763 ug/l  
RT: 12.757 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

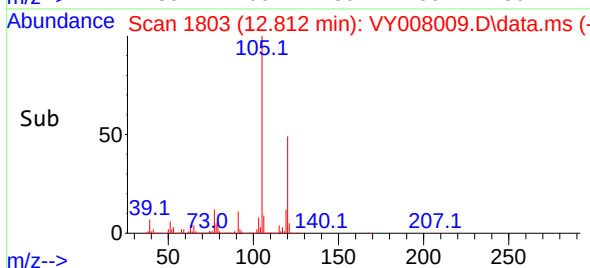
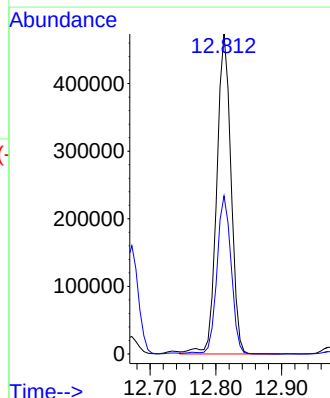
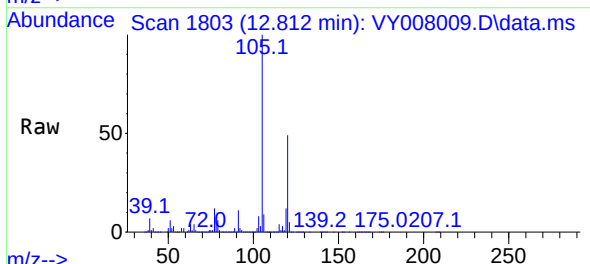
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

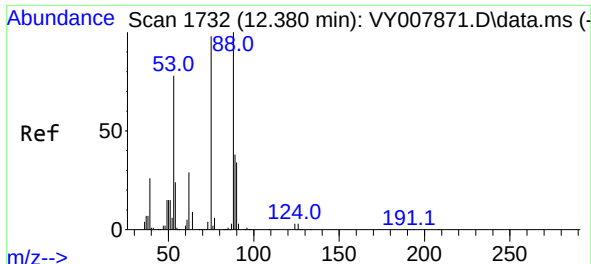
Tgt Ion: 91 Resp: 571793  
Ion Ratio Lower Upper  
91 100  
126 35.0 16.9 50.6



#80  
1,3,5-Trimethylbenzene  
Concen: 48.186 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 105 Resp: 713197  
Ion Ratio Lower Upper  
105 100  
120 48.8 24.4 73.4

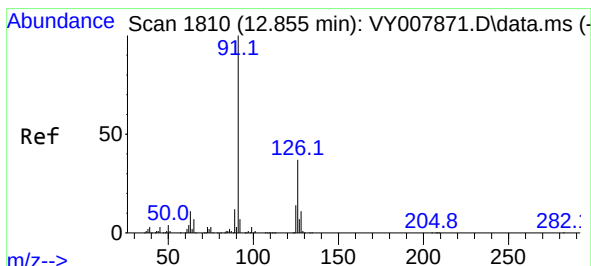
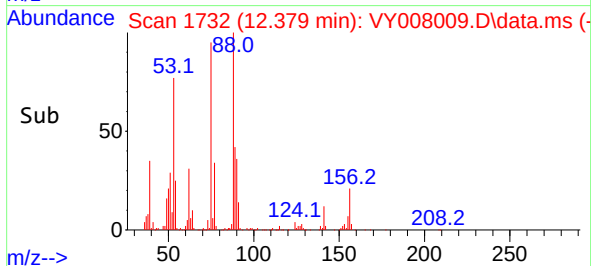
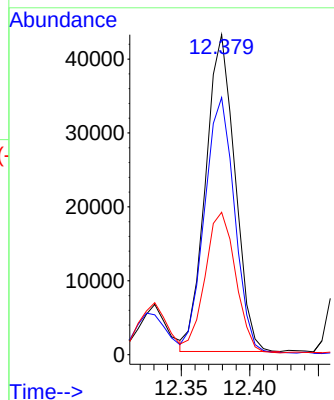
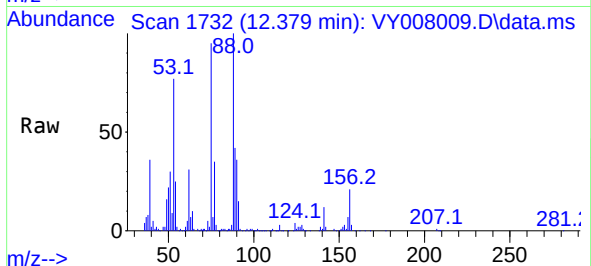




#81  
trans-1,4-Dichloro-2-butene  
Concen: 45.996 ug/l  
RT: 12.379 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

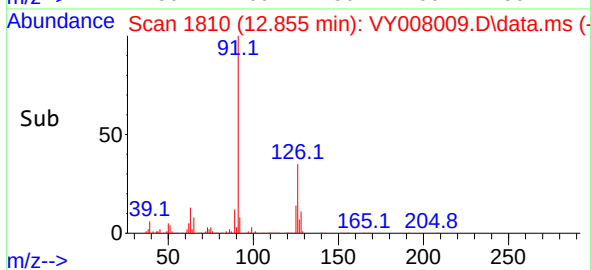
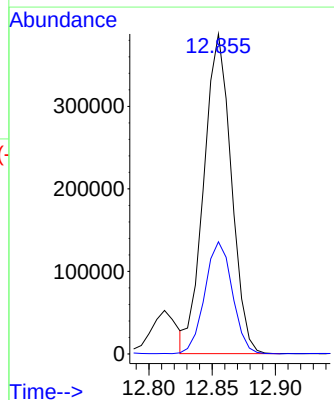
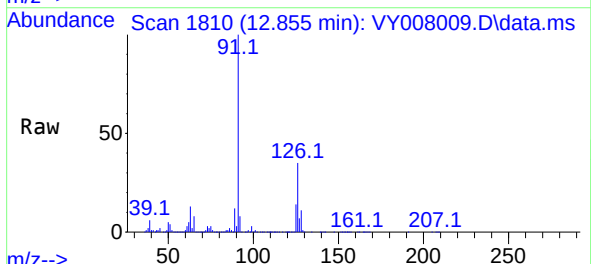
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

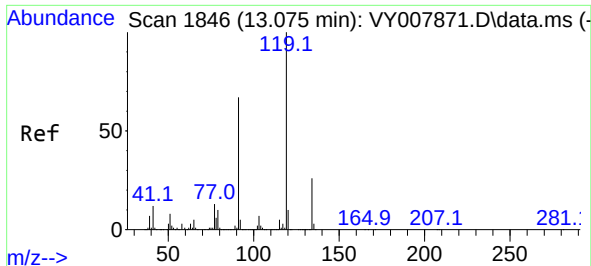
Tgt Ion: 75 Resp: 63821  
Ion Ratio Lower Upper  
75 100  
53 83.3 85.3 127.9#  
89 47.0 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 45.998 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion: 91 Resp: 584282  
Ion Ratio Lower Upper  
91 100  
126 35.1 17.0 51.0

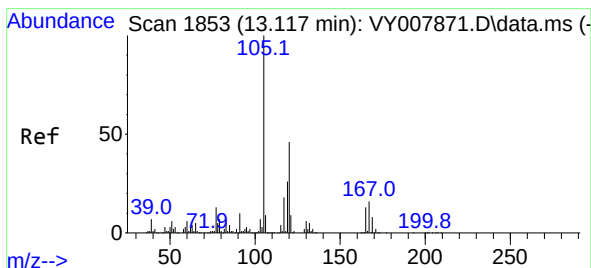
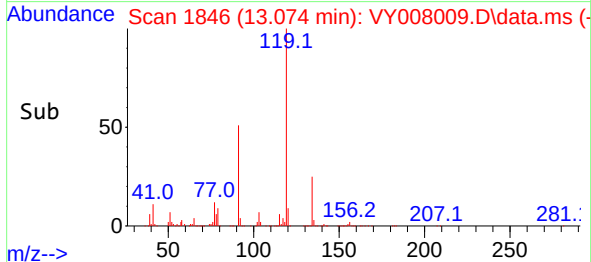
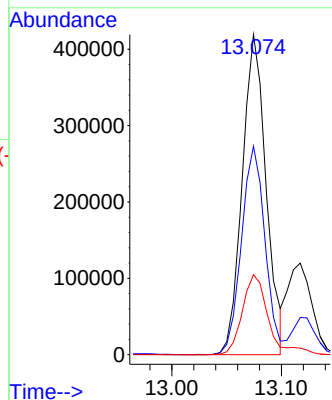
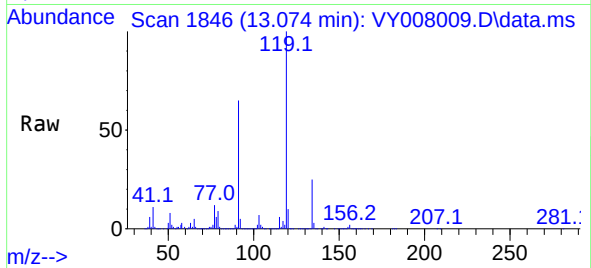




#83  
tert-Butylbenzene  
Concen: 47.969 ug/l  
RT: 13.074 min Scan# 1846  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

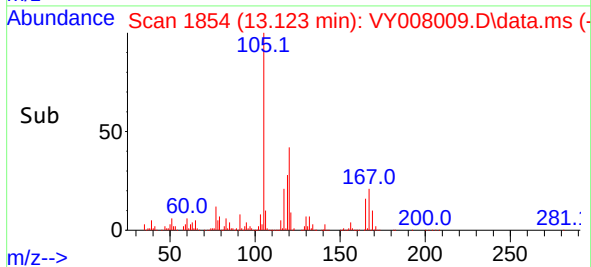
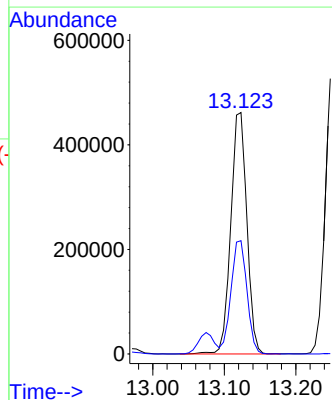
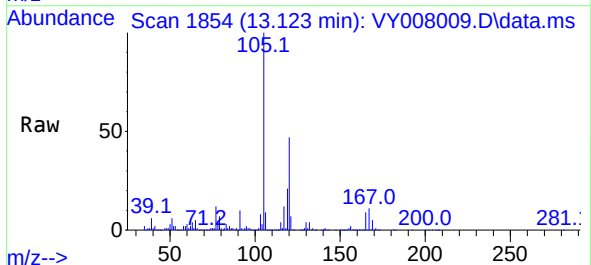
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

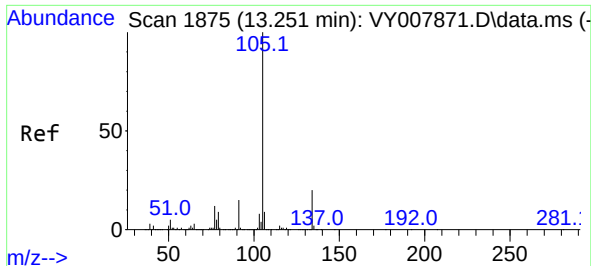
Tgt Ion:119 Resp: 635338  
Ion Ratio Lower Upper  
119 100  
91 63.9 34.8 104.4  
134 27.2 13.3 39.9



#84  
1,2,4-Trimethylbenzene  
Concen: 49.580 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion:105 Resp: 719353  
Ion Ratio Lower Upper  
105 100  
120 46.7 22.3 66.9

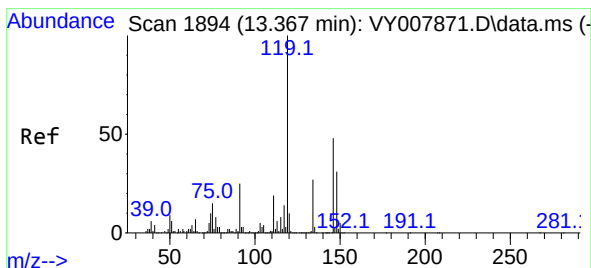
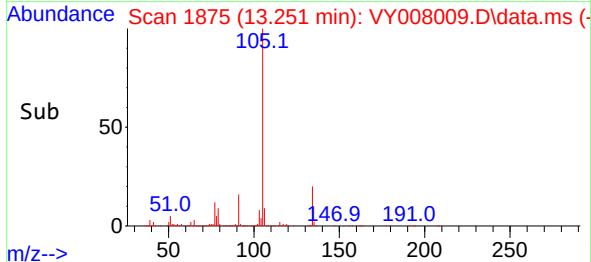
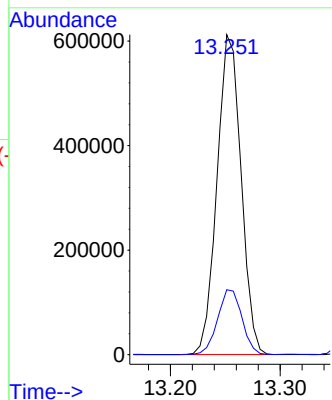
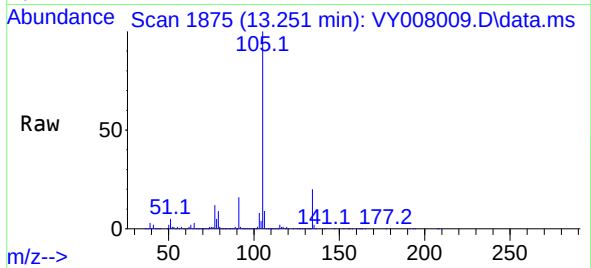




#85  
 sec-Butylbenzene  
 Concen: 47.043 ug/l  
 RT: 13.251 min Scan# 1875  
 Delta R.T. -0.000 min  
 Lab File: VY008009.D  
 Acq: 22 Mar 2022 18:38

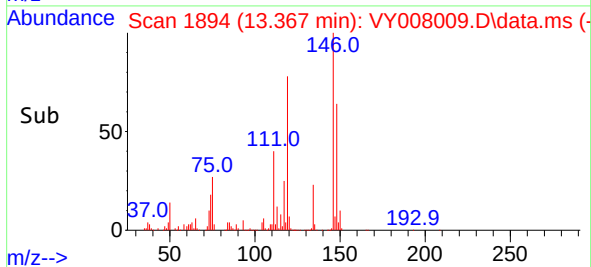
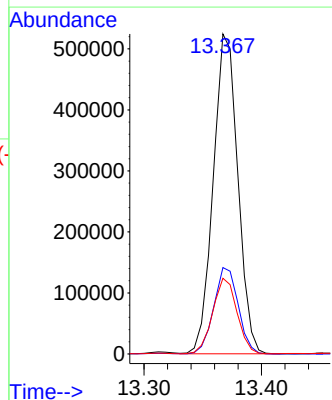
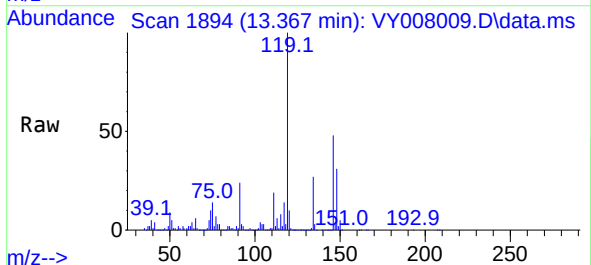
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

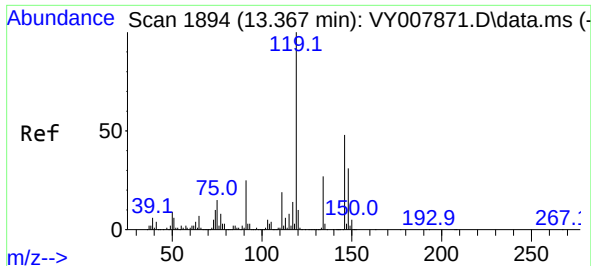
Tgt Ion:105 Resp: 933797  
 Ion Ratio Lower Upper  
 105 100  
 134 20.6 10.2 30.4



#86  
 p-Isopropyltoluene  
 Concen: 47.311 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. -0.000 min  
 Lab File: VY008009.D  
 Acq: 22 Mar 2022 18:38

Tgt Ion:119 Resp: 762394  
 Ion Ratio Lower Upper  
 119 100  
 134 26.9 13.2 39.5  
 91 23.4 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 48.683 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

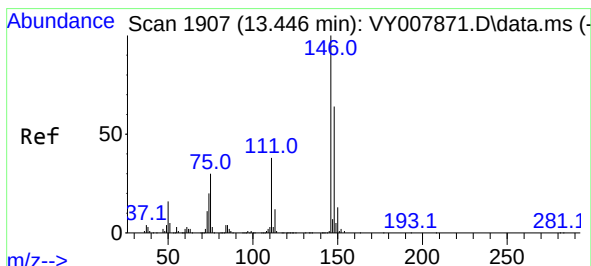
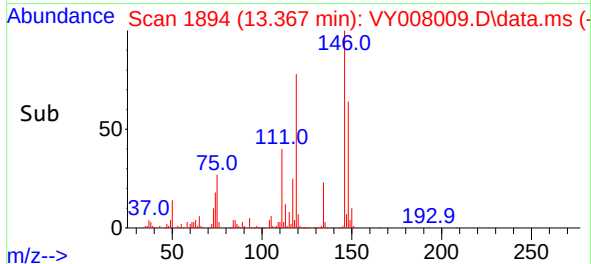
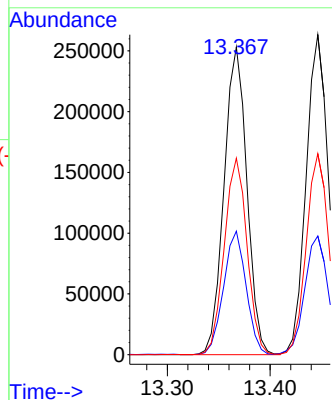
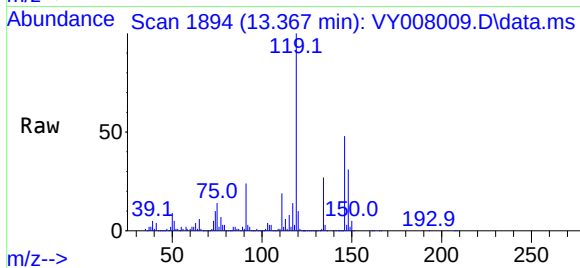
Tgt Ion:146 Resp: 391040

Ion Ratio Lower Upper

146 100

111 39.6 19.5 58.5

148 63.7 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 48.983 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

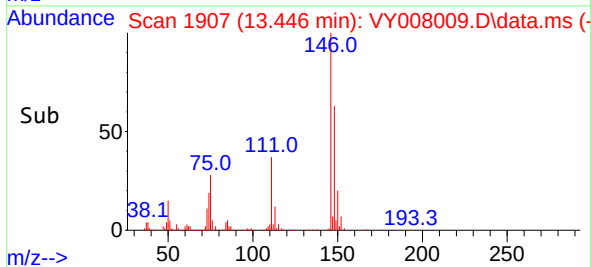
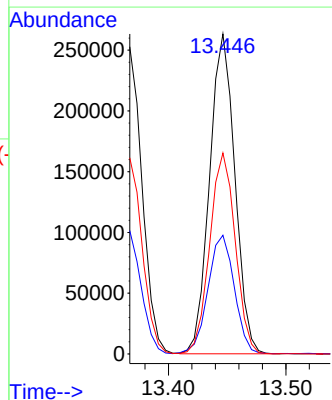
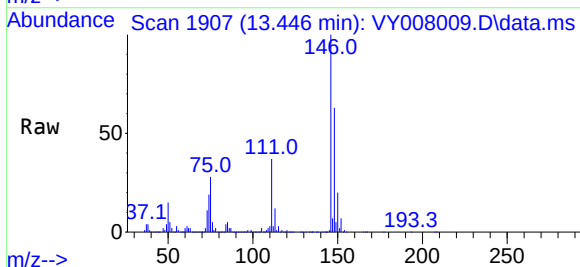
Tgt Ion:146 Resp: 394339

Ion Ratio Lower Upper

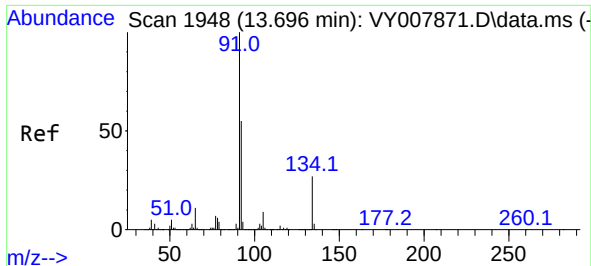
146 100

111 38.5 19.3 57.8

148 63.3 32.6 97.8







#89

n-Butylbenzene

Concen: 45.829 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

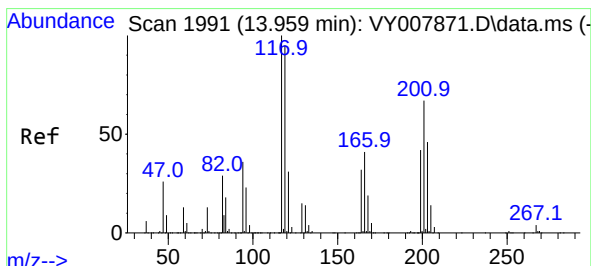
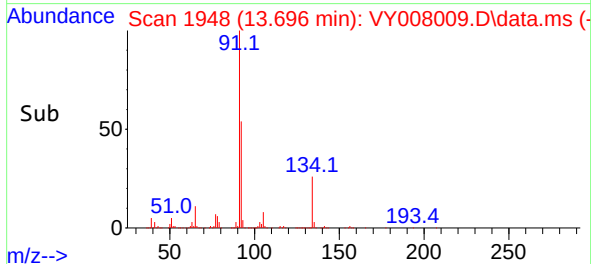
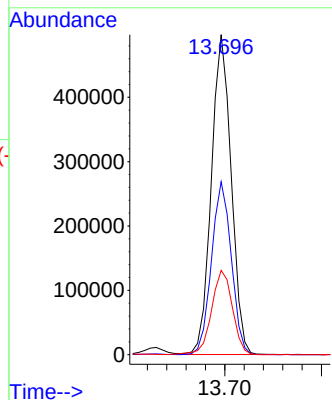
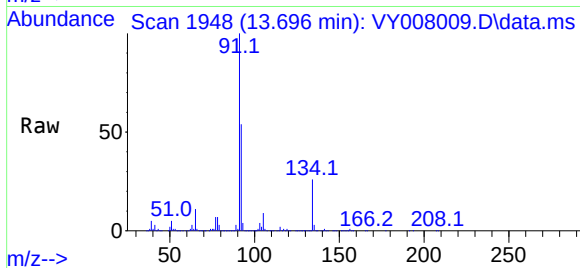
Tgt Ion: 91 Resp: 708733

Ion Ratio Lower Upper

91 100

92 53.9 26.3 78.9

134 27.7 13.0 38.9



#90

Hexachloroethane

Concen: 47.986 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. -0.006 min

Lab File: VY008009.D

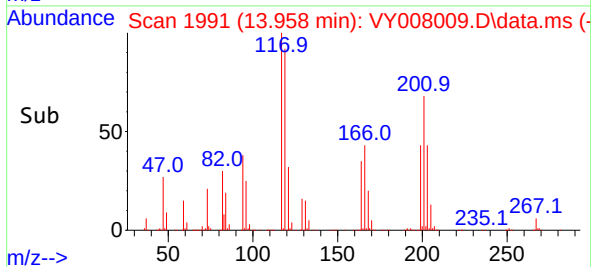
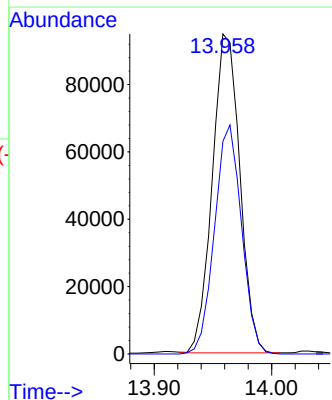
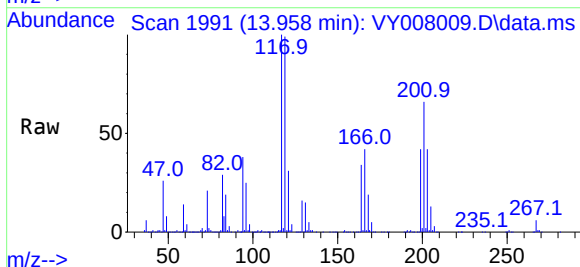
Acq: 22 Mar 2022 18:38

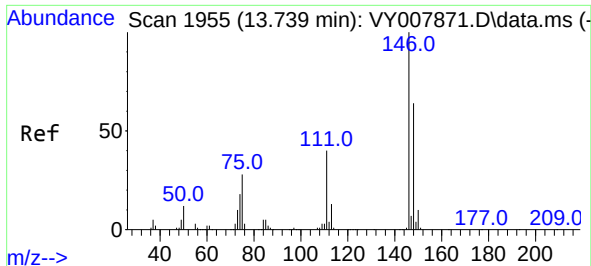
Tgt Ion: 117 Resp: 154342

Ion Ratio Lower Upper

117 100

201 70.4 43.0 128.8





#91

1,2-Dichlorobenzene

Concen: 49.918 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

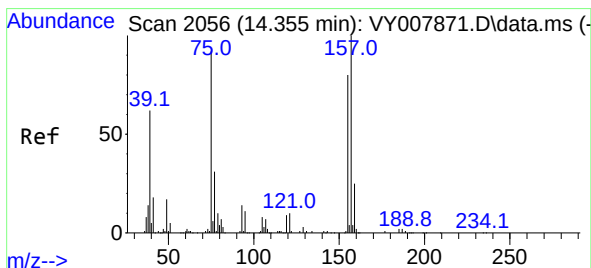
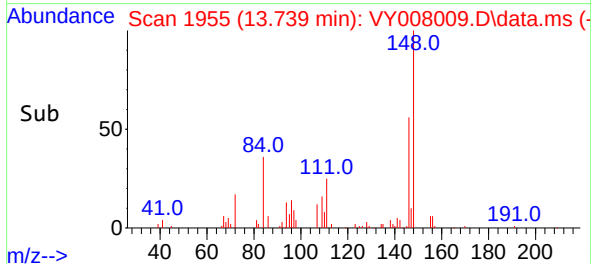
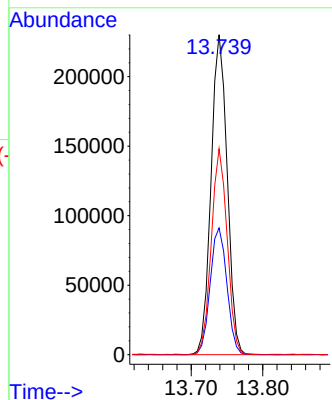
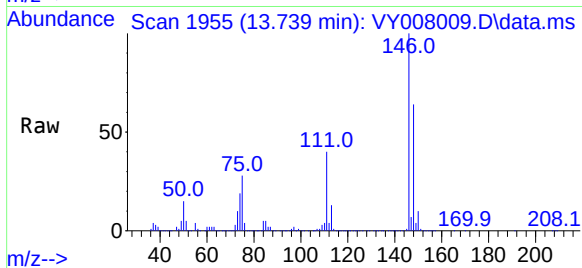
Tgt Ion:146 Resp: 360664

Ion Ratio Lower Upper

146 100

111 40.8 20.3 60.9

148 63.4 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.580 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY008009.D

Acq: 22 Mar 2022 18:38

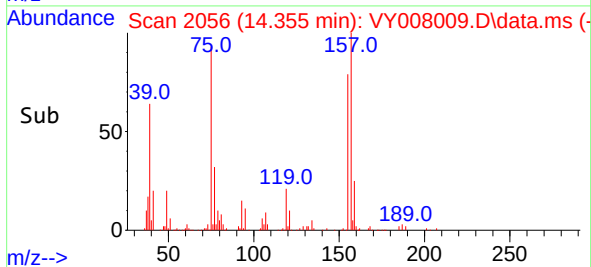
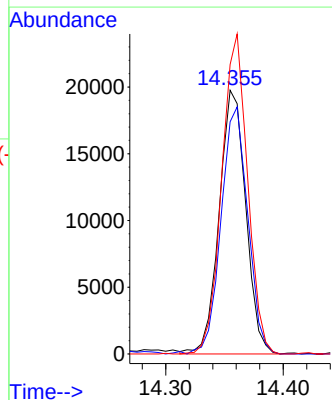
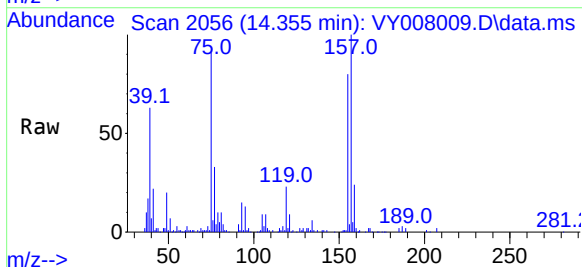
Tgt Ion: 75 Resp: 31046

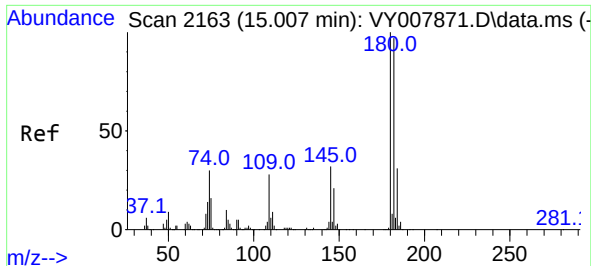
Ion Ratio Lower Upper

75 100

155 94.3 38.0 113.9

157 117.9 47.8 143.3

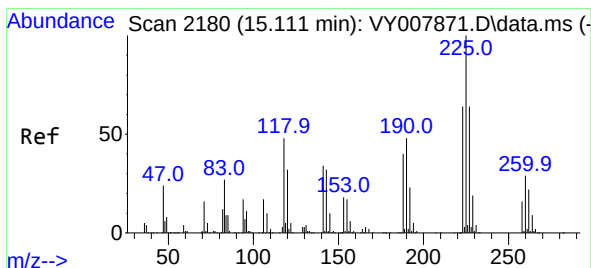
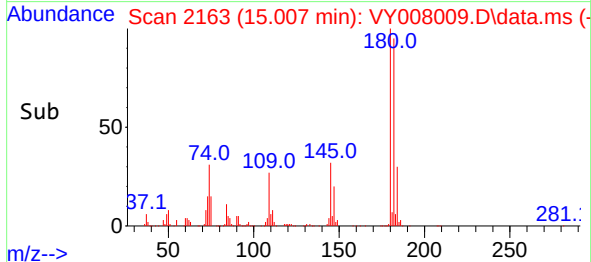
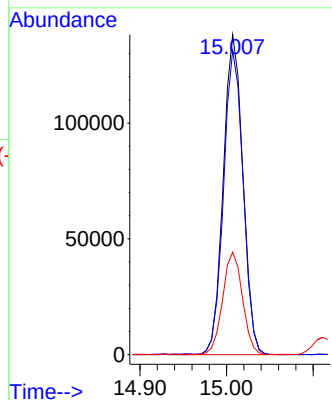
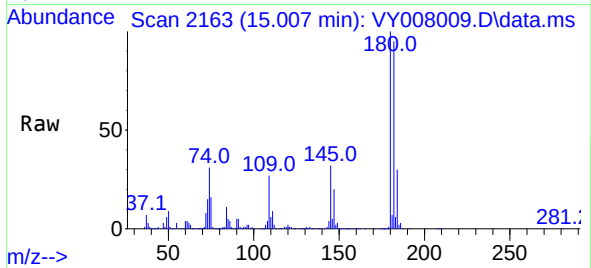




#93  
1,2,4-Trichlorobenzene  
Concen: 47.551 ug/l  
RT: 15.007 min Scan# 2163  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

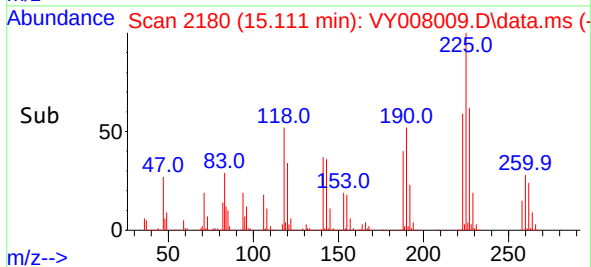
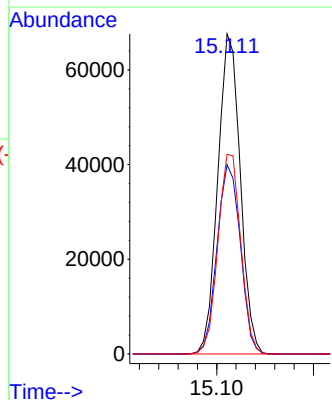
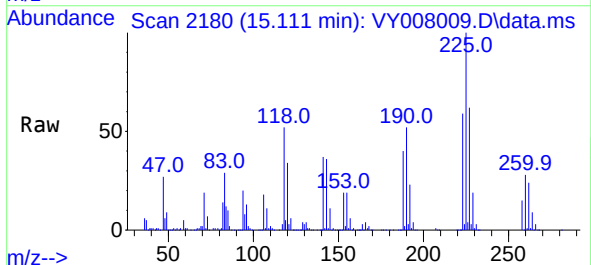
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

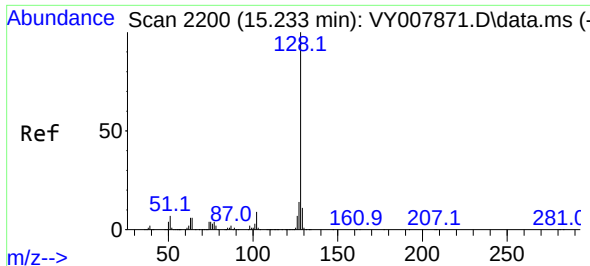
Tgt Ion:180 Resp: 217181  
Ion Ratio Lower Upper  
180 100  
182 94.9 47.3 141.9  
145 32.2 14.6 43.8



#94  
Hexachlorobutadiene  
Concen: 44.635 ug/l  
RT: 15.111 min Scan# 2180  
Delta R.T. -0.006 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion:225 Resp: 108760  
Ion Ratio Lower Upper  
225 100  
223 61.3 30.8 92.3  
227 63.4 31.6 94.7



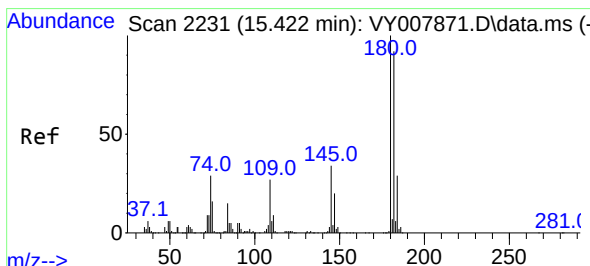
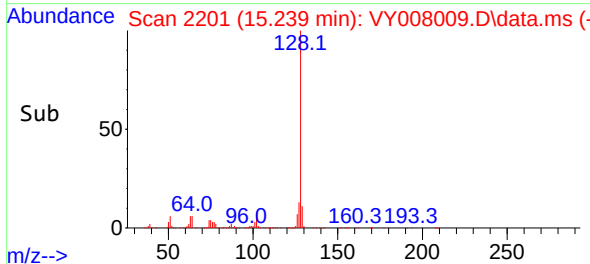
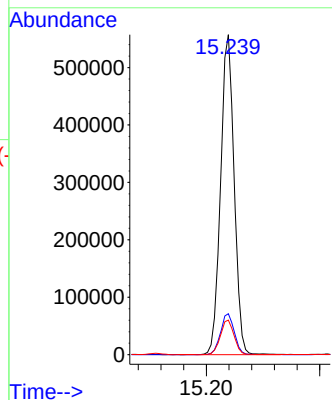
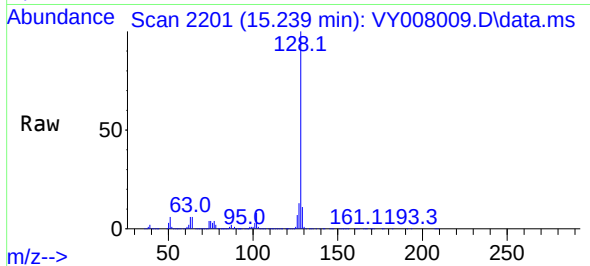


#95  
Naphthalene  
Concen: 90.635 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 923573

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.1  | 11.0  | 16.4  |
| 129 | 11.0  | 8.4   | 12.6  |



#96  
1,2,3-Trichlorobenzene  
Concen: 48.462 ug/l  
RT: 15.428 min Scan# 2232  
Delta R.T. -0.000 min  
Lab File: VY008009.D  
Acq: 22 Mar 2022 18:38

Tgt Ion:180 Resp: 195221

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.4  | 47.3  | 141.9 |
| 145 | 33.7  | 15.3  | 45.9  |

