

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102822\  
 Data File : VY011169.D  
 Acq On : 28 Oct 2022 19:57  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Oct 28 23:47:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 28 23:42:14 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 254918   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 415552   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 379799   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 185996   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 131775   | 49.993   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.980%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 128189   | 50.162   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.320% |
| 50) Toluene-d8              | 10.179 | 98    | 509911   | 50.366   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 100.740% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 170799   | 51.560   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 103.120% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 59244   | 47.152  | ug/l   | 100 |
| 3) Chloromethane             | 2.113 | 50  | 79387   | 48.510  | ug/l   | 96  |
| 4) Vinyl Chloride            | 2.247 | 62  | 93046   | 47.083  | ug/l   | 100 |
| 5) Bromomethane              | 2.644 | 94  | 69314   | 52.734  | ug/l   | 96  |
| 6) Chloroethane              | 2.790 | 64  | 66990   | 48.309  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 158786  | 44.069  | ug/l   | 92  |
| 8) Diethyl Ether             | 3.528 | 74  | 62983   | 48.524  | ug/l   | 82  |
| 9) 1,1,2-Trichlorotrifluo... | 3.899 | 101 | 103208  | 45.357  | ug/l   | 93  |
| 10) Methyl Iodide            | 4.088 | 142 | 102599  | 41.157  | ug/l   | 91  |
| 11) Tert butyl alcohol       | 4.942 | 59  | 68127   | 267.435 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 3.869 | 96  | 92003   | 44.927  | ug/l   | 82  |
| 13) Acrolein                 | 3.723 | 56  | 37374   | 223.294 | ug/l   | 99  |
| 14) Allyl chloride           | 4.479 | 41  | 150619  | 47.369  | ug/l # | 85  |
| 15) Acrylonitrile            | 5.155 | 53  | 184130  | 257.082 | ug/l   | 97  |
| 16) Acetone                  | 3.942 | 43  | 132789  | 205.896 | ug/l # | 86  |
| 17) Carbon Disulfide         | 4.192 | 76  | 212133  | 46.627  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.472 | 43  | 86902   | 50.855  | ug/l # | 89  |
| 19) Methyl tert-butyl Ether  | 5.216 | 73  | 305656  | 50.567  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.710 | 84  | 142650  | 54.150  | ug/l   | 86  |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 106059  | 45.172  | ug/l   | 87  |
| 22) Diisopropyl ether        | 6.119 | 45  | 372152  | 50.908  | ug/l   | 90  |
| 23) Vinyl Acetate            | 6.058 | 43  | 1142552 | 274.914 | ug/l # | 93  |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 212916  | 47.141  | ug/l   | 99  |
| 25) 2-Butanone               | 6.978 | 43  | 225431  | 243.847 | ug/l # | 85  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 184175  | 45.628  | ug/l   | 95  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 136073  | 47.836  | ug/l   | 88  |
| 28) Bromochloromethane       | 7.332 | 49  | 116251  | 56.369  | ug/l   | 87  |
| 29) Tetrahydrofuran          | 7.344 | 42  | 146969  | 266.821 | ug/l # | 86  |
| 30) Chloroform               | 7.502 | 83  | 225699  | 47.599  | ug/l   | 100 |
| 31) Cyclohexane              | 7.783 | 56  | 155695  | 47.059  | ug/l   | 91  |
| 32) 1,1,1-Trichloroethane    | 7.697 | 97  | 189720  | 47.026  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 152124  | 45.662  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.070 | 43  | 98108   | 52.048  | ug/l # | 93  |
| 38) Carbon Tetrachloride     | 7.899 | 117 | 167044  | 46.033  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.179 | 83  | 170515  | 45.870  | ug/l   | 92  |
| 40) Benzene                  | 8.161 | 78  | 467606  | 46.882  | ug/l   | 97  |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Oct 28 23:47:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 28 23:42:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 133098   | 135.117  | ug/l # | 1        |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 138830   | 48.921   | ug/l   | 92       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 172445   | 51.307   | ug/l # | 89       |
| 44) Trichloroethene           | 8.935  | 130  | 125306   | 46.743   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 127652   | 48.620   | ug/l   | 98       |
| 46) Dibromomethane            | 9.301  | 93   | 71757    | 48.892   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.496  | 83   | 176357   | 48.625   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 78540    | 52.425   | ug/l # | 79       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 21840    | 1078.151 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 512856   | 270.629  | ug/l # | 87       |
| 52) Toluene                   | 10.240 | 92   | 298251   | 47.771   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 178513   | 49.090   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 201171   | 48.805   | ug/l # | 79       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 107716   | 49.309   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 145483   | 52.918   | ug/l # | 76       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 181573   | 49.796   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 351295   | 265.680  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.831 | 43   | 349956   | 267.579  | ug/l   | 84       |
| 60) Dibromochloromethane      | 10.983 | 129  | 129598   | 50.173   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 98691    | 49.771   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 119488   | 45.596   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.514 | 112  | 329277   | 47.083   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 130140   | 47.960   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 582590   | 47.686   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 445941   | 95.771   | ug/l   | 95       |
| 69) o-Xylene                  | 12.026 | 106  | 214251   | 48.244   | ug/l   | 95       |
| 70) Styrene                   | 12.044 | 104  | 378347   | 49.850   | ug/l   | 95       |
| 71) Bromoform                 | 12.203 | 173  | 83569    | 50.261   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.325 | 105  | 574877   | 47.339   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 153397   | 51.458   | ug/l # | 84       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 131905   | 49.786   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 169760   | 87.788   | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 135157   | 47.320   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.666 | 91   | 693626   | 46.968   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 394607   | 46.718   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 480903   | 47.001   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 44939    | 49.353   | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 404762   | 46.194   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 428182   | 47.941   | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 479326   | 47.592   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 625734   | 46.854   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 516505   | 47.078   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 267106   | 46.065   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 265959   | 45.848   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.690 | 91   | 474846   | 46.336   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 102788   | 44.848   | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 246096   | 47.180   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 21489    | 50.383   | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 142249   | 47.654   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.105 | 225  | 80612    | 44.718   | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 309281   | 46.614   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 125731   | 48.386   | ug/l   | 99       |

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Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 28 Sample Multiplier: 1

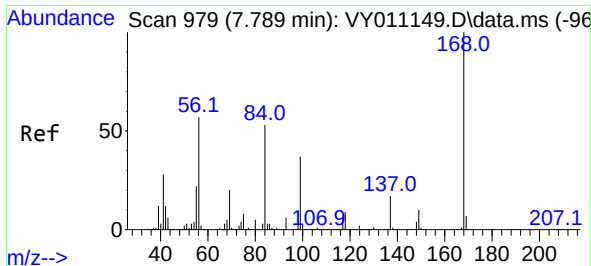
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Oct 28 23:47:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102822S.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 28 23:42:14 2022  
Response via : Initial Calibration

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

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

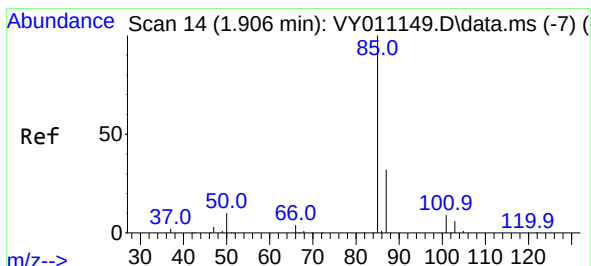
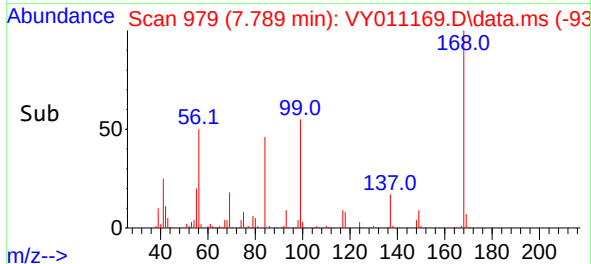
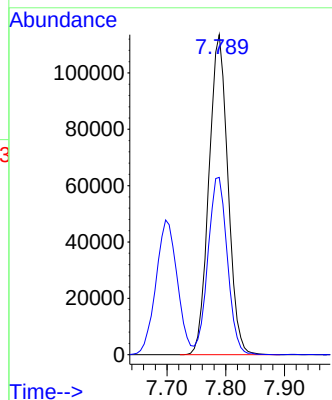
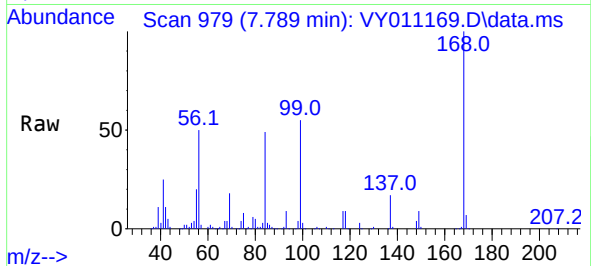




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

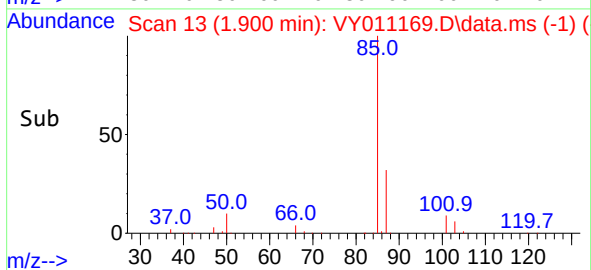
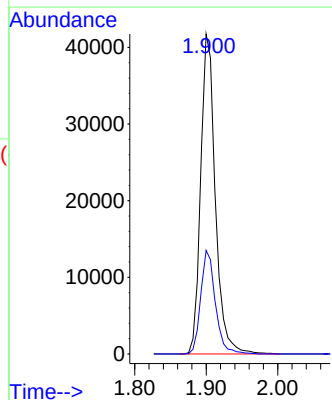
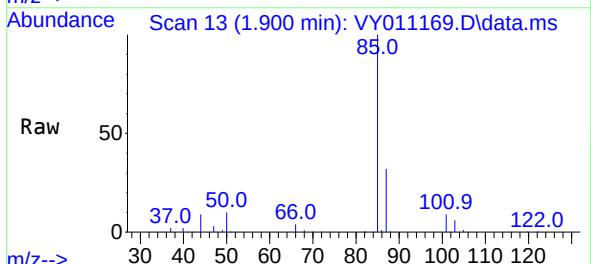
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

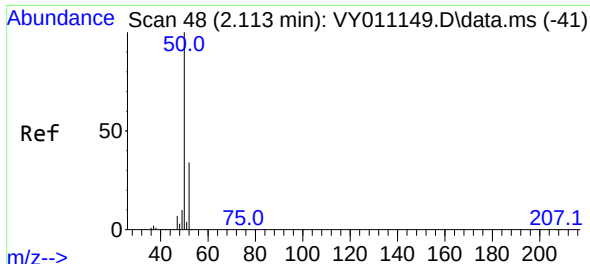
Tgt Ion:168 Resp: 254918  
Ion Ratio Lower Upper  
168 100  
99 55.4 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: 47.152 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.006 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 85 Resp: 59244  
Ion Ratio Lower Upper  
85 100  
87 32.4 16.1 48.2

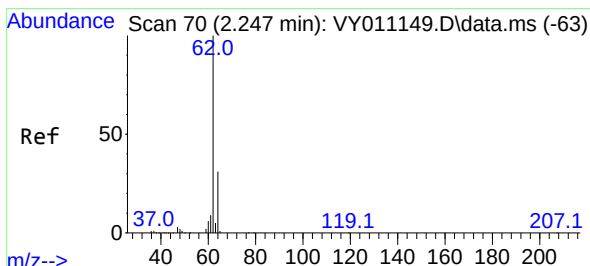
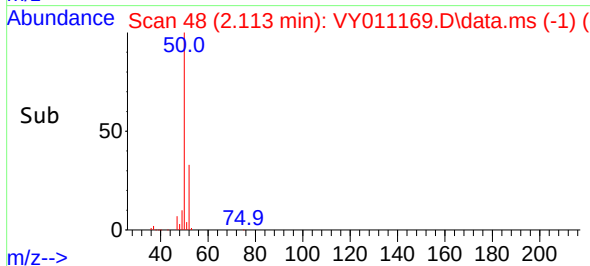
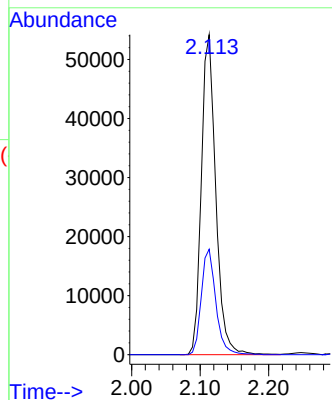
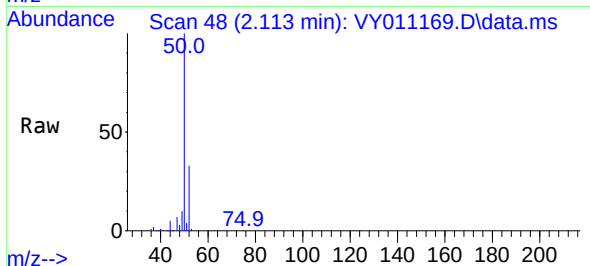




#3  
Chloromethane  
Concen: 48.510 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

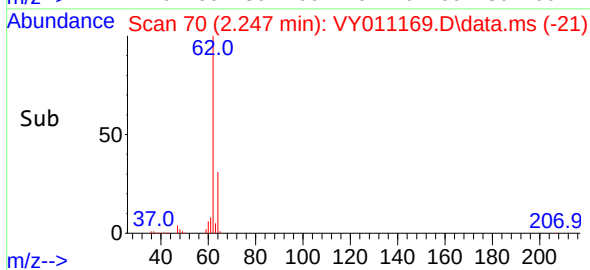
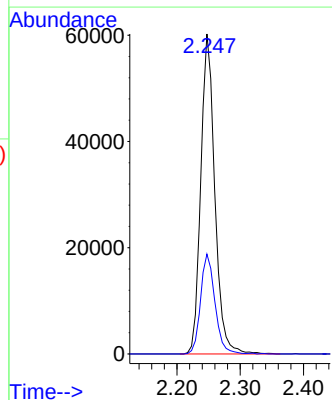
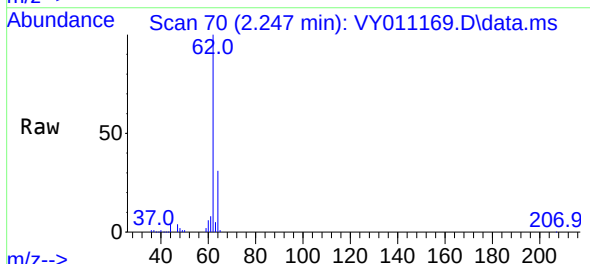
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

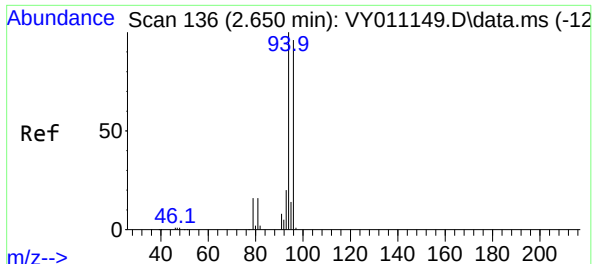
Tgt Ion: 50 Resp: 79387  
Ion Ratio Lower Upper  
50 100  
52 33.0 24.6 37.0



#4  
Vinyl Chloride  
Concen: 47.083 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 62 Resp: 93046  
Ion Ratio Lower Upper  
62 100  
64 31.2 25.0 37.6

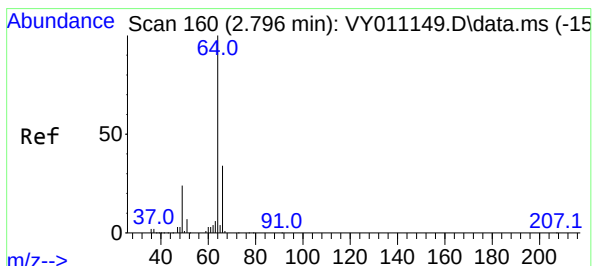
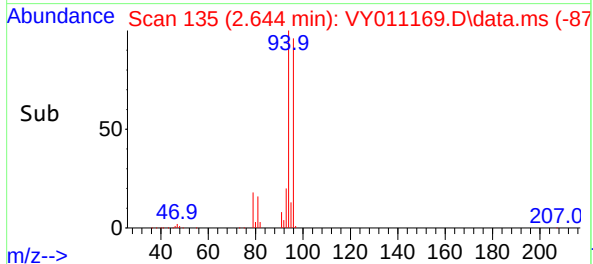
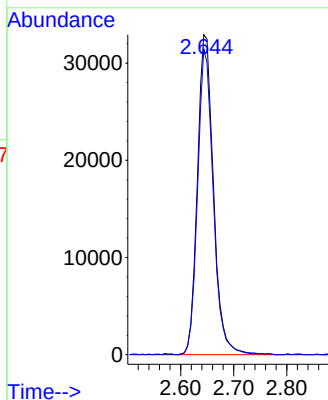
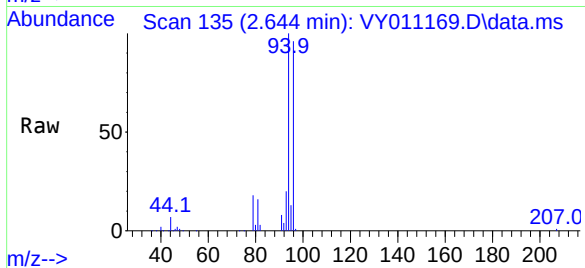




#5  
Bromomethane  
Concen: 52.734 ug/l  
RT: 2.644 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

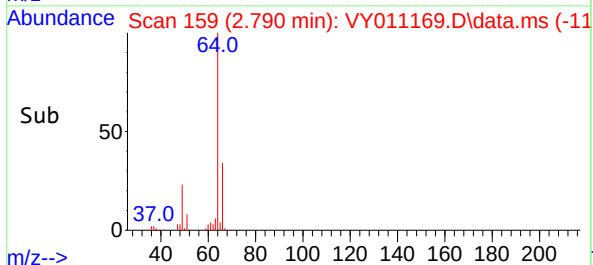
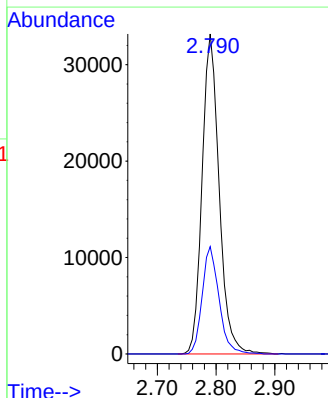
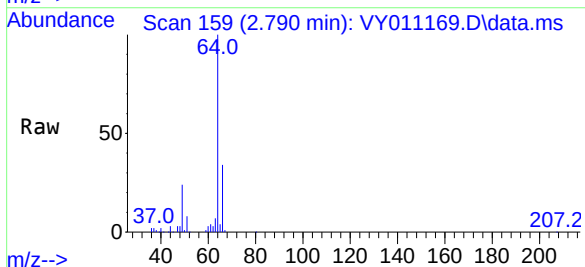
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

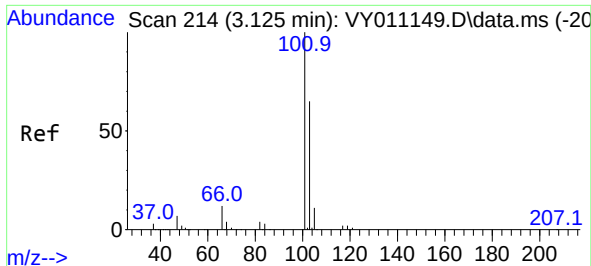
Tgt Ion: 94 Resp: 69314  
Ion Ratio Lower Upper  
94 100  
96 95.6 73.5 110.3



#6  
Chloroethane  
Concen: 48.309 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.006 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 64 Resp: 66990  
Ion Ratio Lower Upper  
64 100  
66 33.6 25.4 38.0

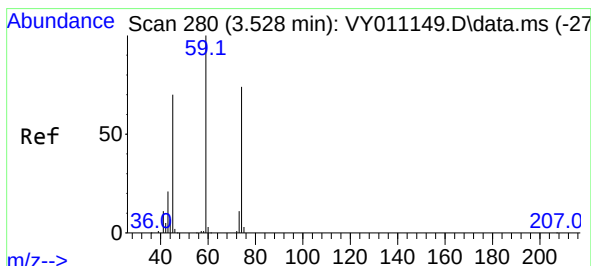
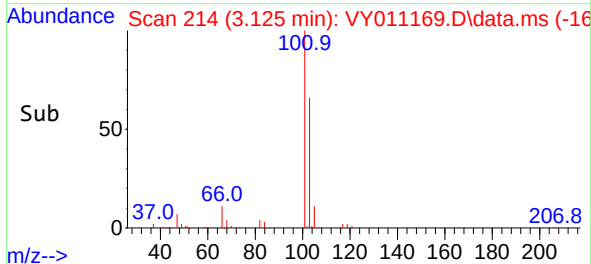
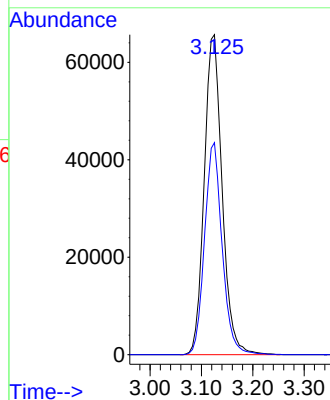
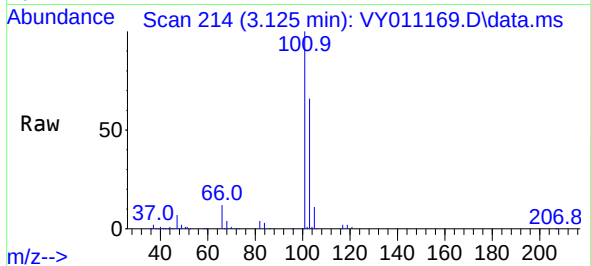




#7  
Trichlorofluoromethane  
Concen: 44.069 ug/l  
RT: 3.125 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

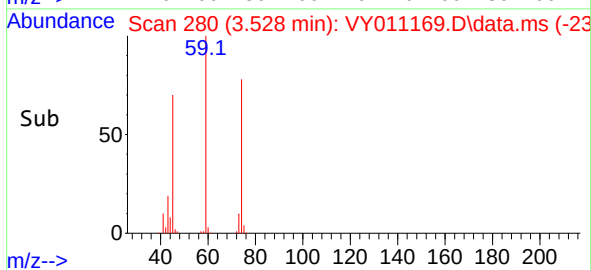
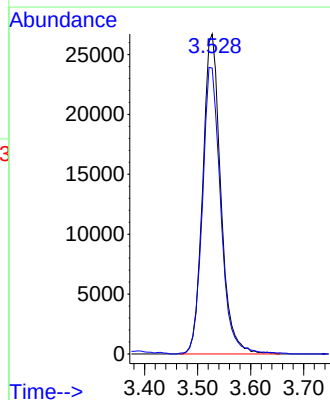
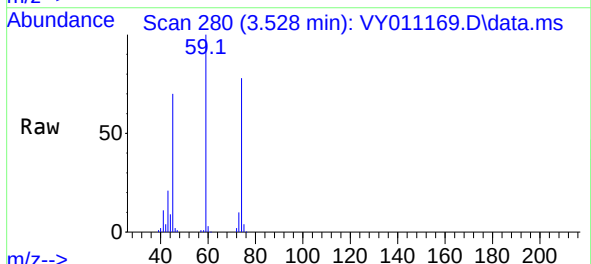
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 158786  
Ion Ratio Lower Upper  
101 100  
103 66.2 48.0 72.0

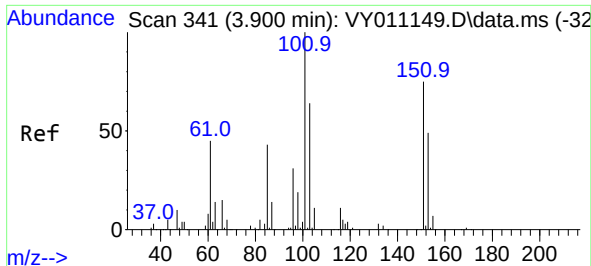


#8  
Diethyl Ether  
Concen: 48.524 ug/l  
RT: 3.528 min Scan# 280  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 74 Resp: 62983  
Ion Ratio Lower Upper  
74 100  
45 91.3 55.1 165.5



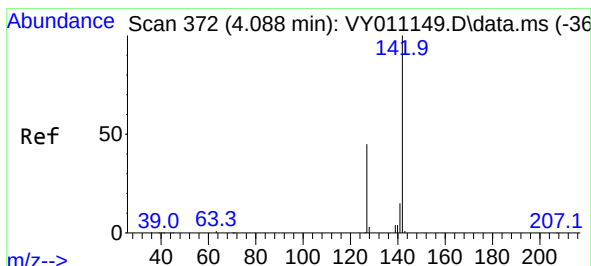
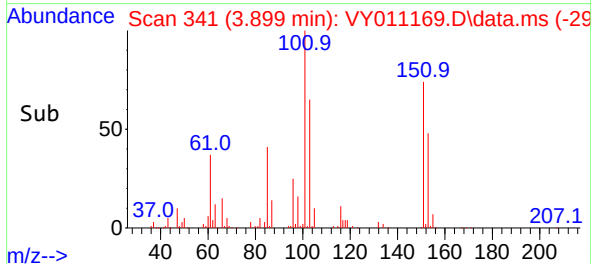
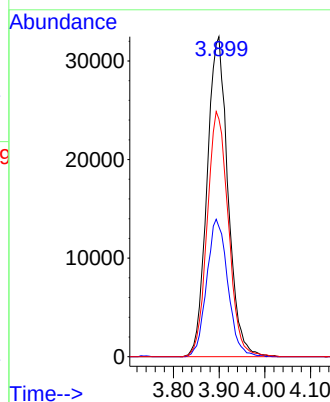
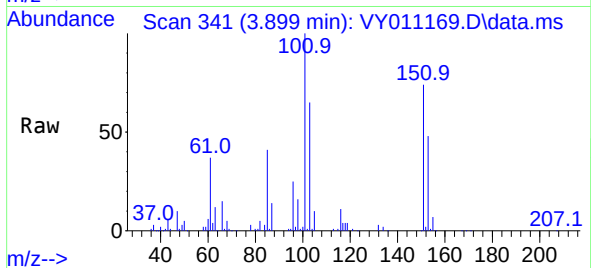




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.357 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. -0.001 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

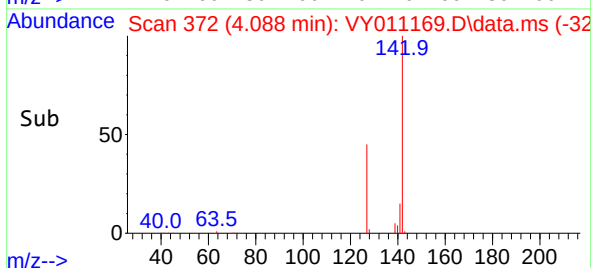
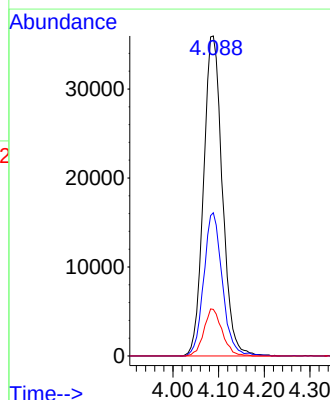
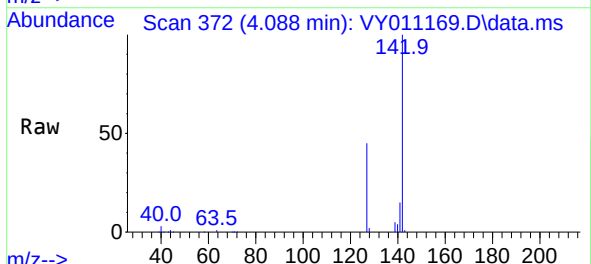
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

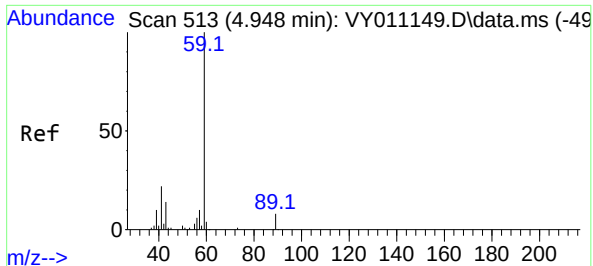
Tgt Ion:101 Resp: 103208  
Ion Ratio Lower Upper  
101 100  
85 43.4 40.6 60.8  
151 77.5 64.9 97.3



#10  
Methyl Iodide  
Concen: 41.157 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion:142 Resp: 102599  
Ion Ratio Lower Upper  
142 100  
127 44.4 41.5 62.3  
141 14.3 11.9 17.9





#11

Tert butyl alcohol

Concen: 267.435 ug/l

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

Instrument :

MSVOA\_Y

ClientSampleId :

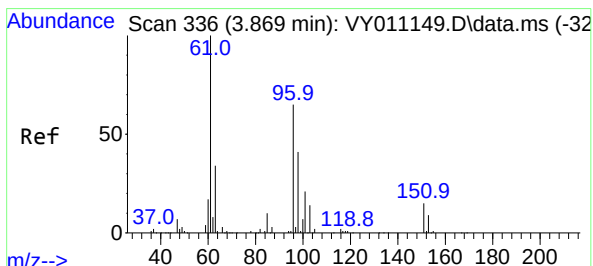
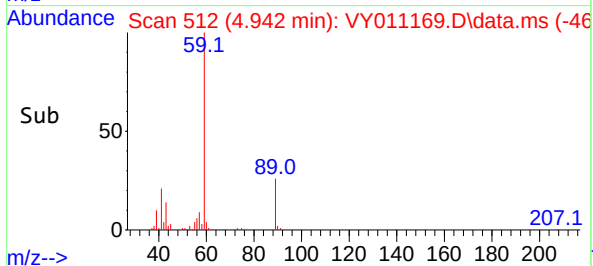
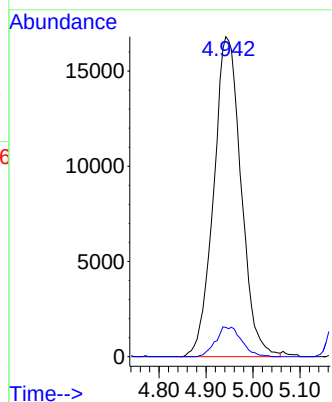
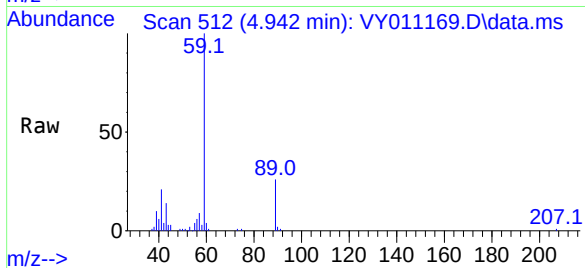
VSTDCCC050EC

Tgt Ion: 59 Resp: 68127

Ion Ratio Lower Upper

59 100

57 8.8 6.4 9.6



#12

1,1-Dichloroethene

Concen: 44.927 ug/l

RT: 3.869 min Scan# 336

Delta R.T. -0.000 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

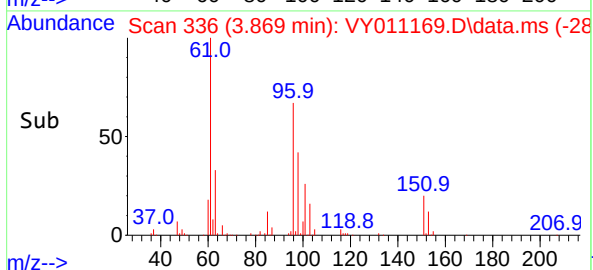
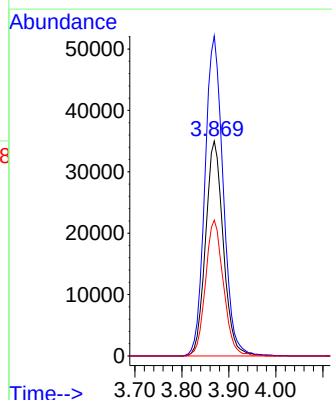
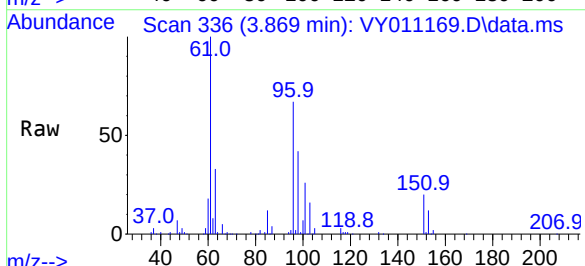
Tgt Ion: 96 Resp: 92003

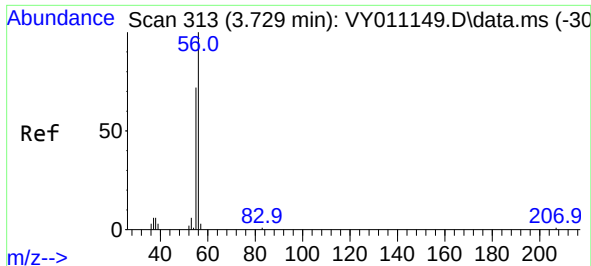
Ion Ratio Lower Upper

96 100

61 148.9 145.8 218.6

98 63.2 52.5 78.7

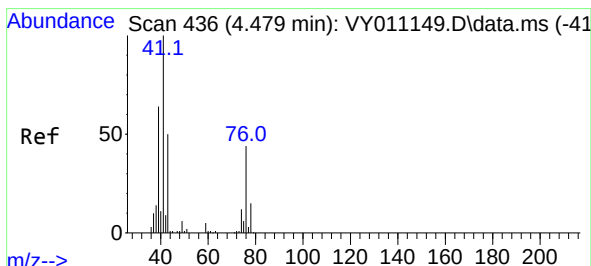
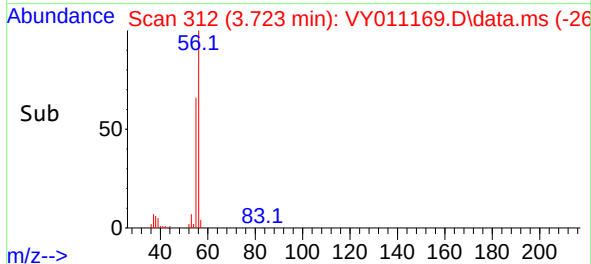
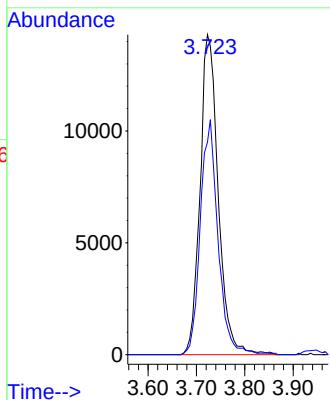
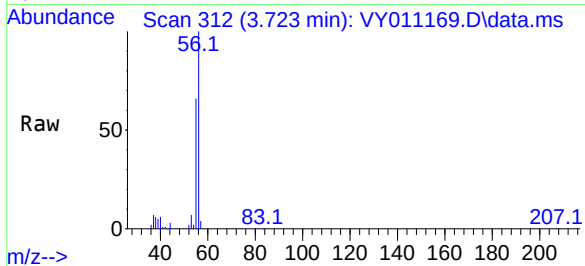




#13  
Acrolein  
Concen: 223.294 ug/l  
RT: 3.723 min Scan# 313  
Delta R.T. -0.006 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

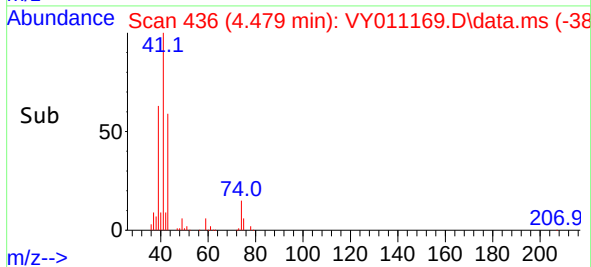
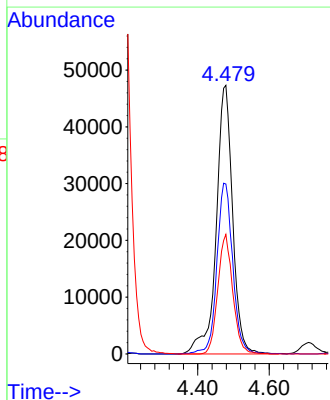
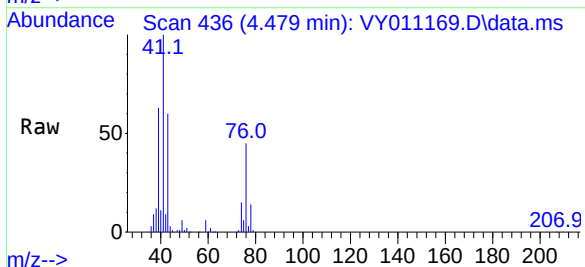
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

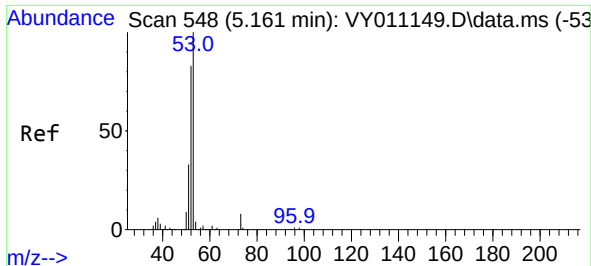
Tgt Ion: 56 Resp: 37374  
Ion Ratio Lower Upper  
56 100  
55 71.2 57.6 86.4



#14  
Allyl chloride  
Concen: 47.369 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 41 Resp: 150619  
Ion Ratio Lower Upper  
41 100  
39 61.7 58.8 88.2  
76 40.5 25.1 37.7#

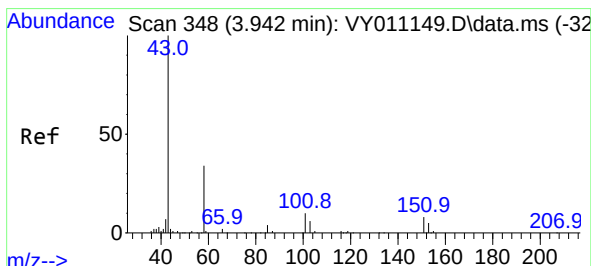
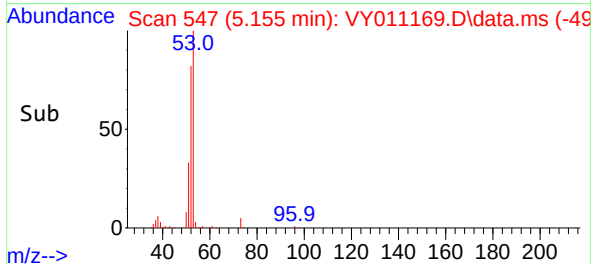
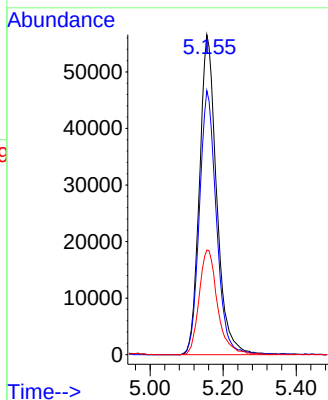
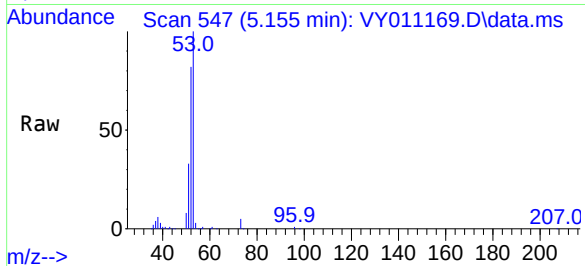




#15  
Acrylonitrile  
Concen: 257.082 ug/l  
RT: 5.155 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

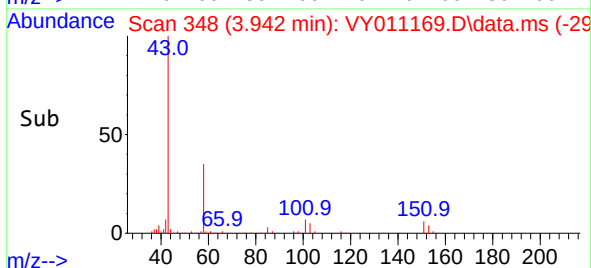
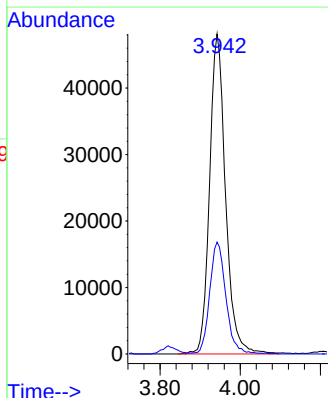
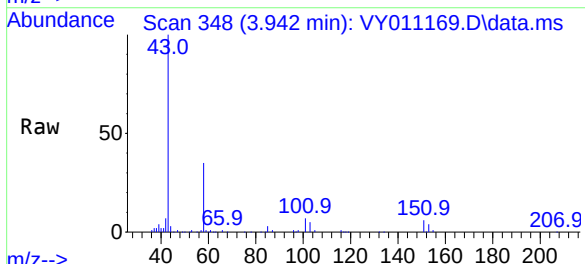
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

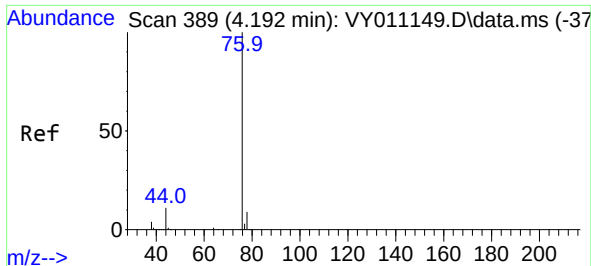
Tgt Ion: 53 Resp: 184130  
Ion Ratio Lower Upper  
53 100  
52 81.7 67.0 100.4  
51 35.1 29.8 44.6



#16  
Acetone  
Concen: 205.896 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 43 Resp: 132789  
Ion Ratio Lower Upper  
43 100  
58 35.0 22.0 33.0#

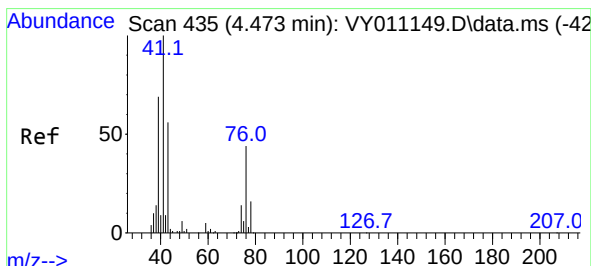
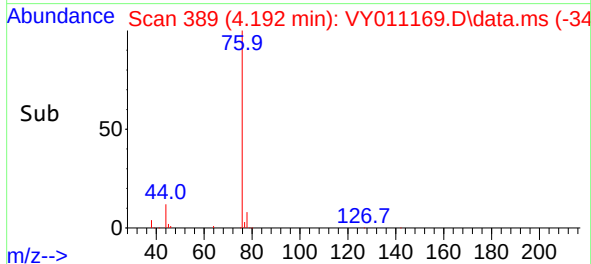
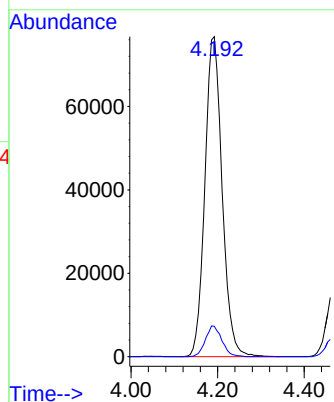
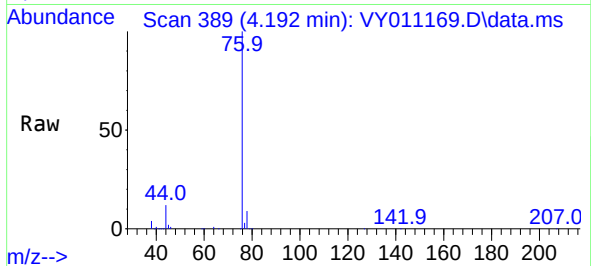




#17  
Carbon Disulfide  
Concen: 46.627 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

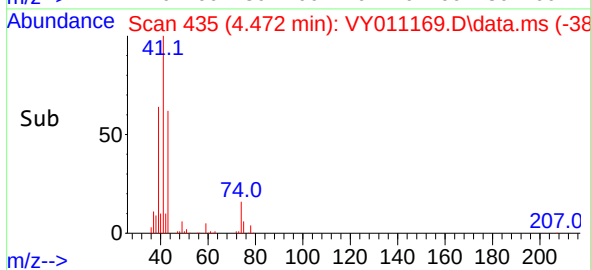
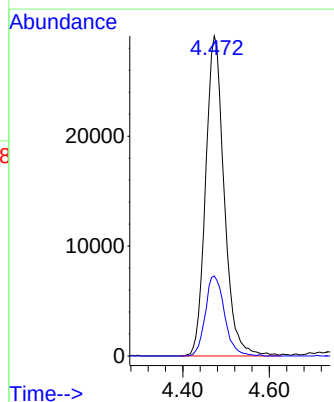
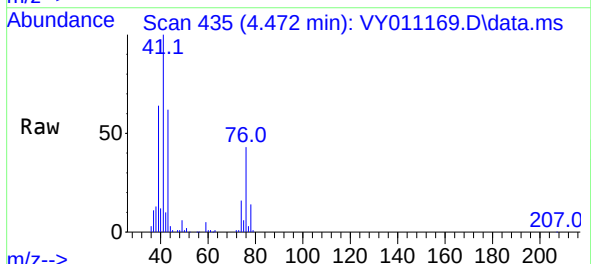
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

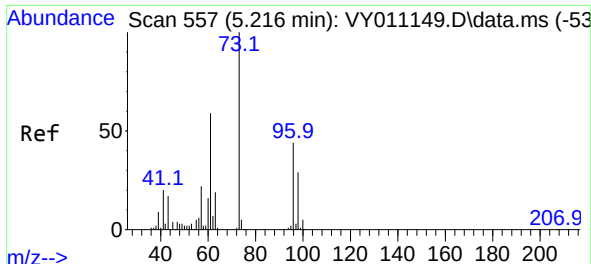
Tgt Ion: 76 Resp: 212133  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.4 11.0



#18  
Methyl Acetate  
Concen: 50.855 ug/l  
RT: 4.472 min Scan# 435  
Delta R.T. -0.001 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 43 Resp: 86902  
Ion Ratio Lower Upper  
43 100  
74 25.7 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 50.567 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

Instrument :

MSVOA\_Y

ClientSampleId :

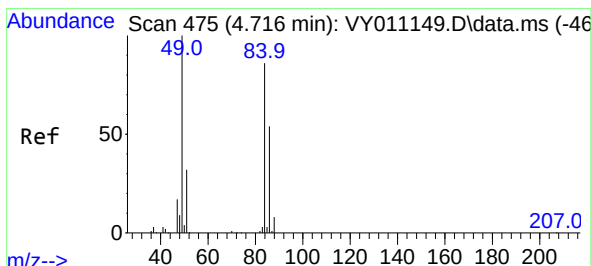
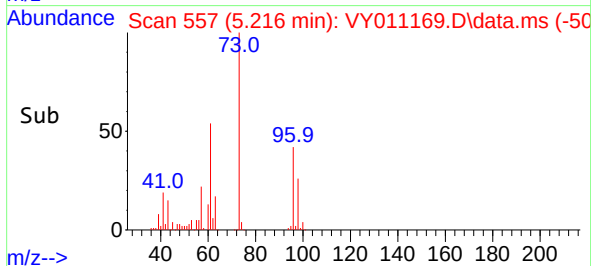
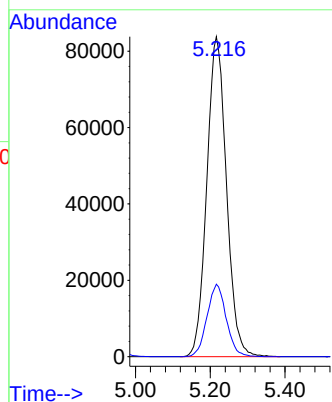
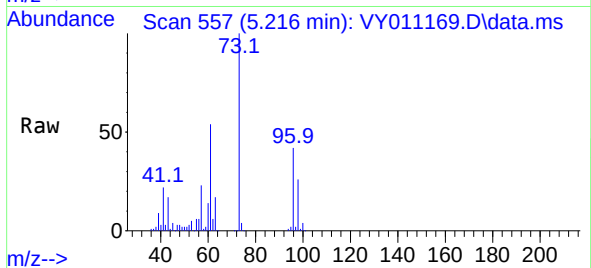
VSTDCCC050EC

Tgt Ion: 73 Resp: 305656

Ion Ratio Lower Upper

73 100

57 22.6 18.6 27.8



#20

Methylene Chloride

Concen: 54.150 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

Tgt Ion: 84 Resp: 142650

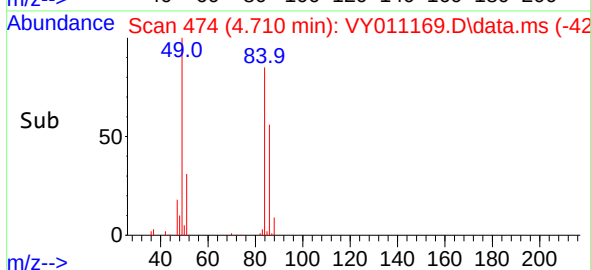
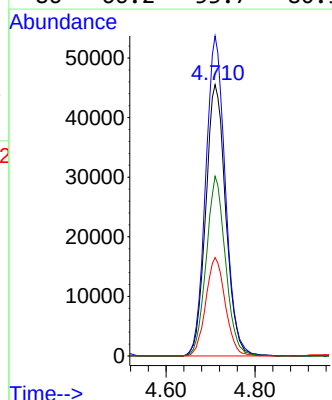
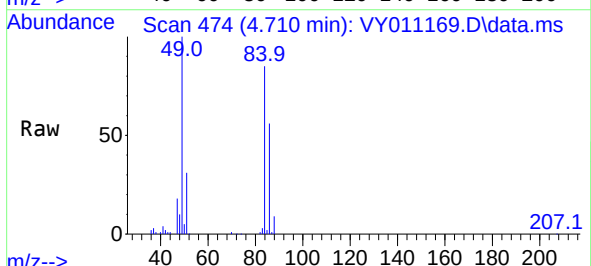
Ion Ratio Lower Upper

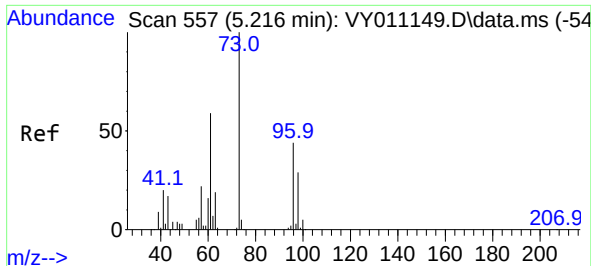
84 100

49 117.9 114.4 171.6

51 36.3 35.3 52.9

86 66.2 53.7 80.5

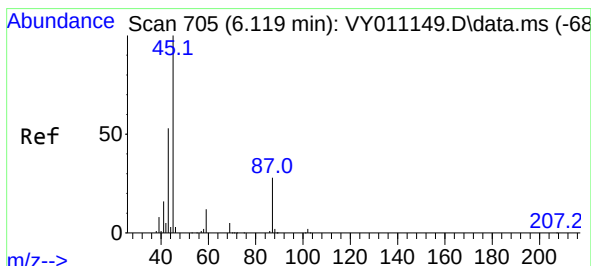
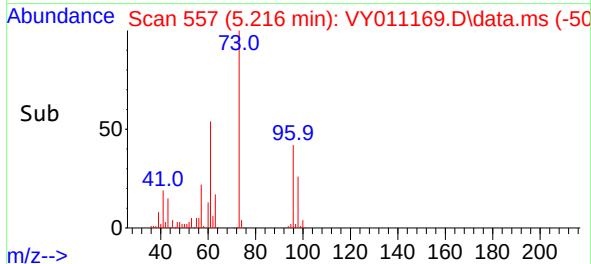
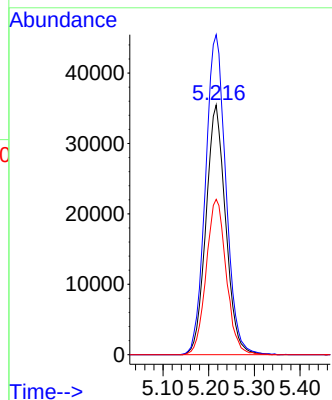
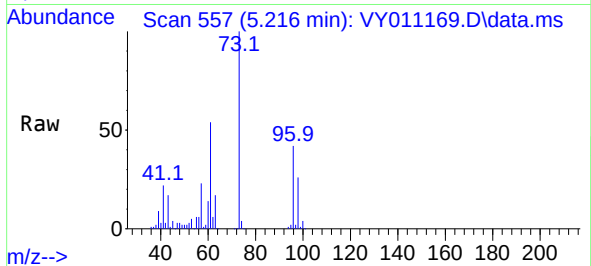




#21  
trans-1,2-Dichloroethene  
Concen: 45.172 ug/l  
RT: 5.216 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

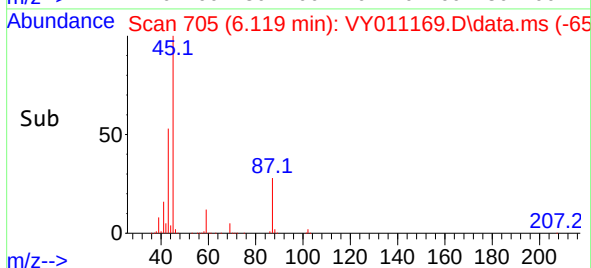
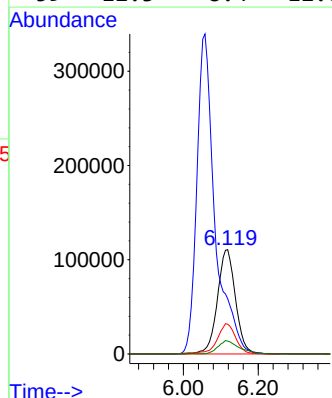
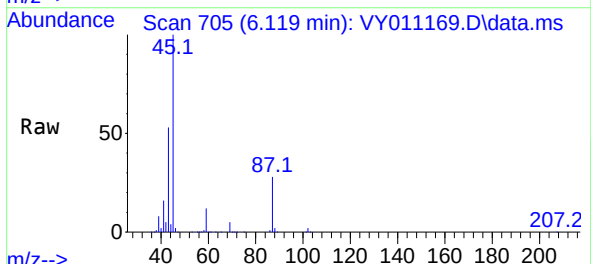
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

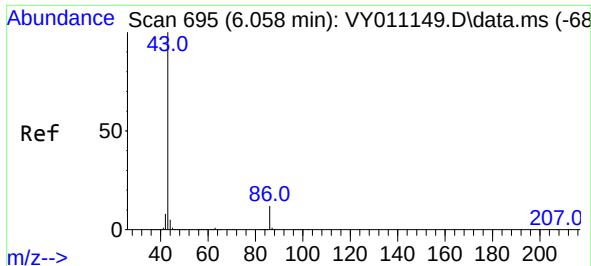
Tgt Ion: 96 Resp: 106059  
Ion Ratio Lower Upper  
96 100  
61 128.2 120.5 180.7  
98 62.2 49.8 74.8



#22  
Diisopropyl ether  
Concen: 50.908 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 45 Resp: 372152  
Ion Ratio Lower Upper  
45 100  
43 52.6 49.3 73.9  
87 28.5 19.2 28.8  
59 12.3 8.4 12.6

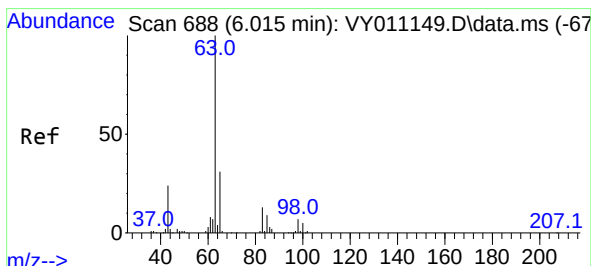
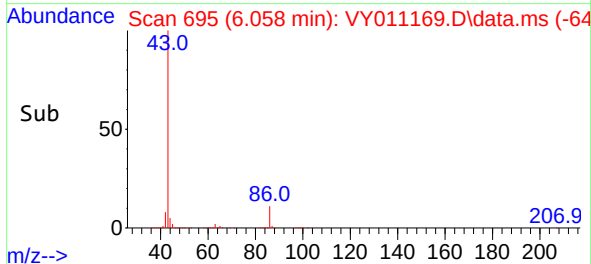
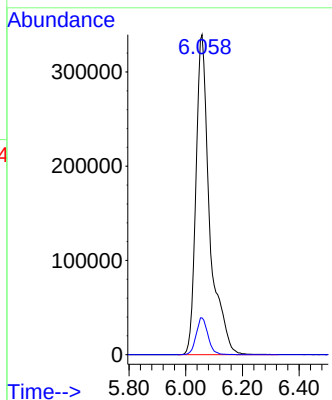
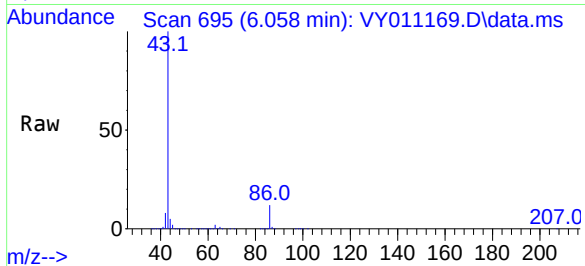




#23  
 Vinyl Acetate  
 Concen: 274.914 ug/l  
 RT: 6.058 min Scan# 695  
 Delta R.T. -0.000 min  
 Lab File: VY011169.D  
 Acq: 28 Oct 2022 19:57

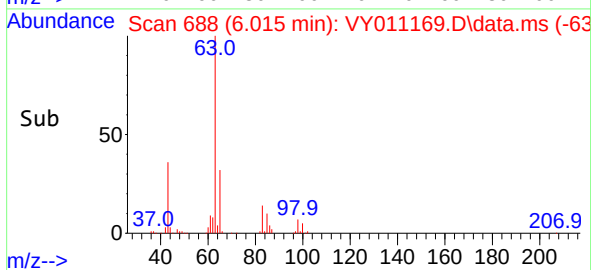
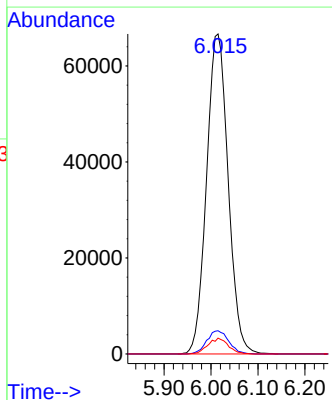
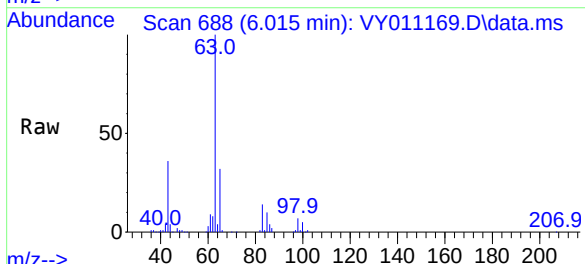
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1142552  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 7.1 10.7#

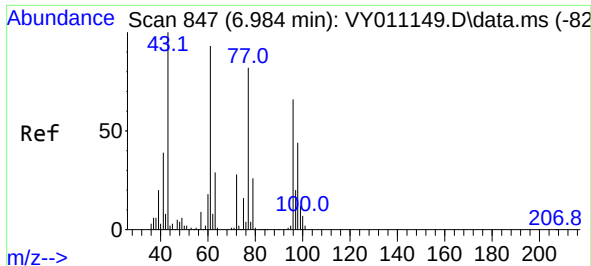


#24  
 1,1-Dichloroethane  
 Concen: 47.141 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.000 min  
 Lab File: VY011169.D  
 Acq: 28 Oct 2022 19:57

Tgt Ion: 63 Resp: 212916  
 Ion Ratio Lower Upper  
 63 100  
 98 7.3 3.6 10.8  
 100 5.0 2.0 5.8



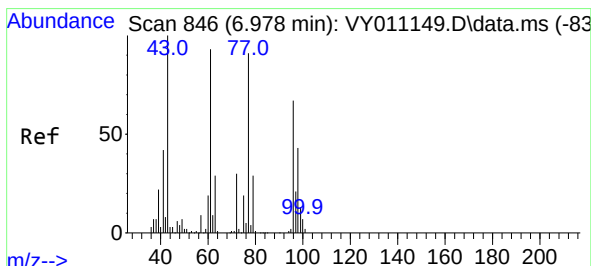
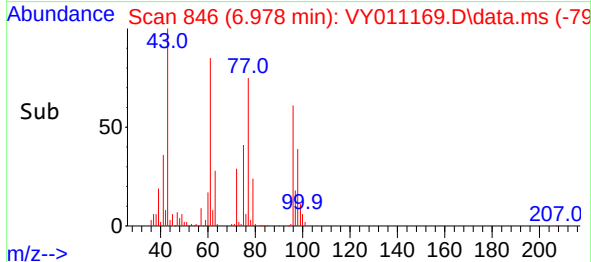
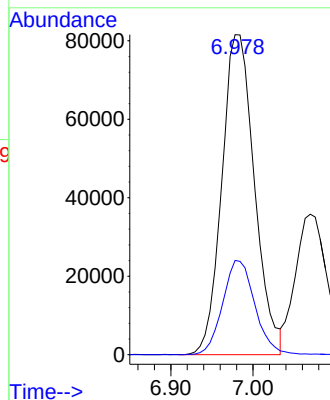
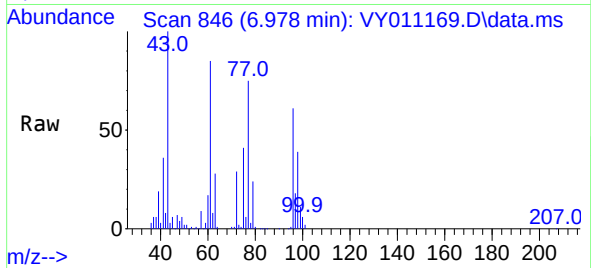




#25  
2-Butanone  
Concen: 243.847 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

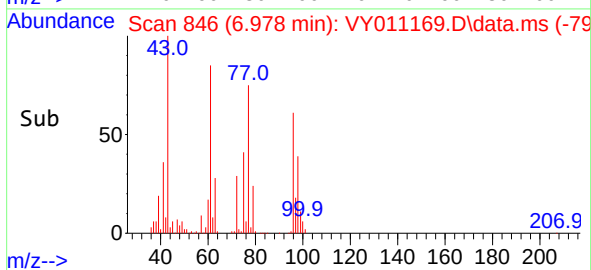
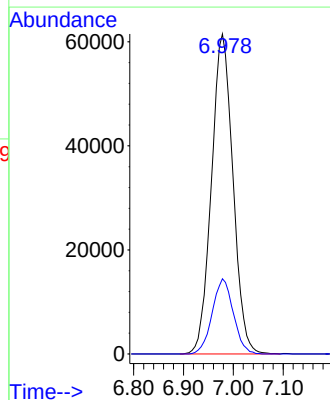
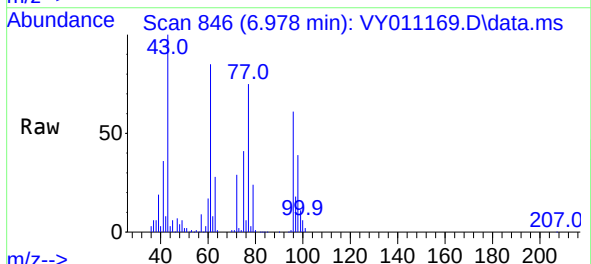
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

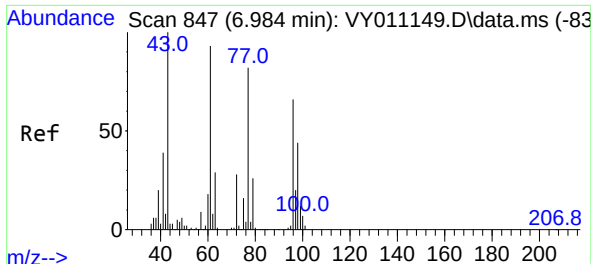
Tgt Ion: 43 Resp: 225431  
Ion Ratio Lower Upper  
43 100  
72 29.4 17.7 26.5#



#26  
2,2-Dichloropropane  
Concen: 45.628 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 77 Resp: 184175  
Ion Ratio Lower Upper  
77 100  
97 23.1 10.4 31.4



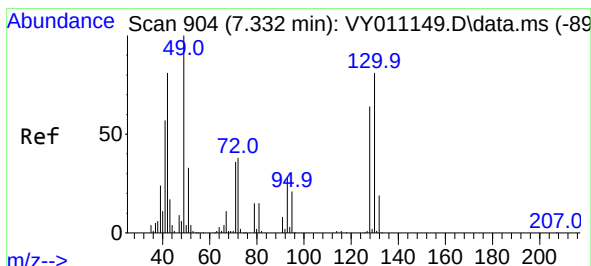
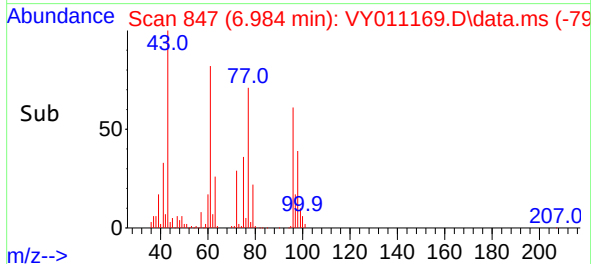
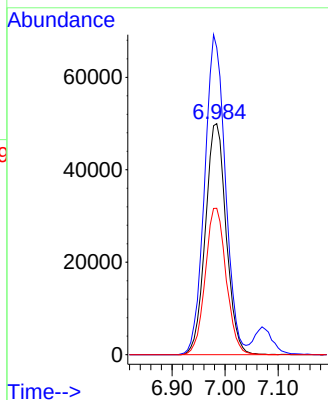
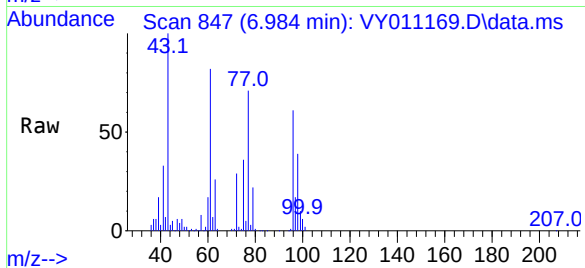


#27  
 cis-1,2-Dichloroethene  
 Concen: 47.836 ug/l  
 RT: 6.984 min Scan# 847  
 Delta R.T. 0.000 min  
 Lab File: VY011169.D  
 Acq: 28 Oct 2022 19:57

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 96 Resp: 136073  

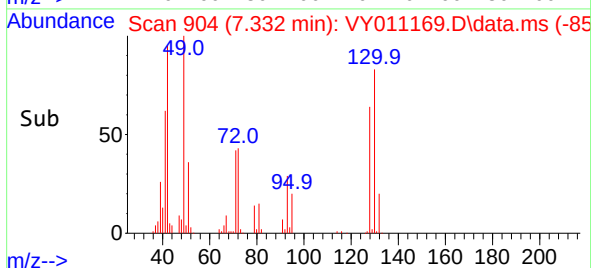
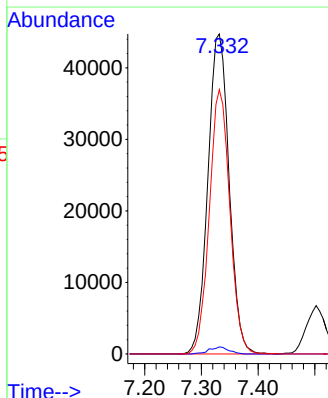
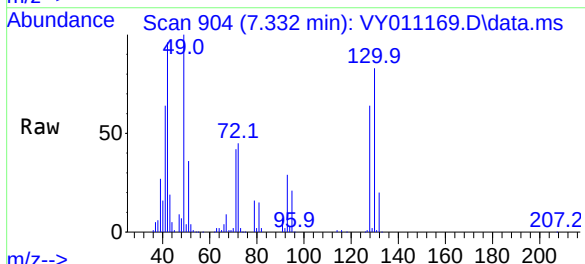
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 138.2 | 0.0   | 319.8 |
| 98  | 63.8  | 0.0   | 127.0 |

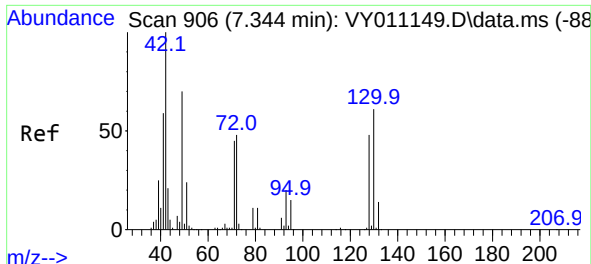


#28  
 Bromochloromethane  
 Concen: 56.369 ug/l  
 RT: 7.332 min Scan# 904  
 Delta R.T. -0.000 min  
 Lab File: VY011169.D  
 Acq: 28 Oct 2022 19:57

Tgt Ion: 49 Resp: 116251  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.0   | 0.0   | 2.2   |
| 130 | 79.8  | 55.4  | 83.0  |

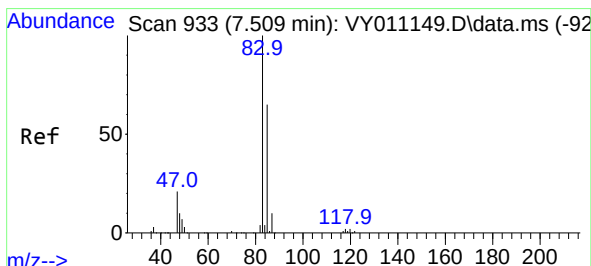
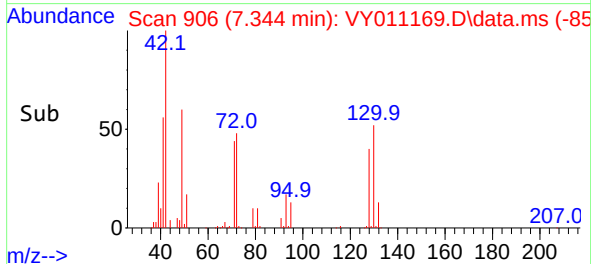
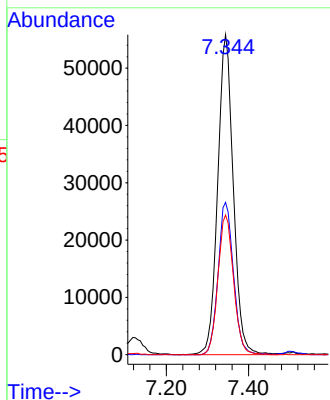
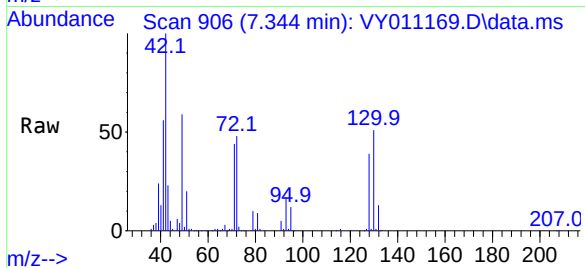




#29  
Tetrahydrofuran  
Concen: 266.821 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

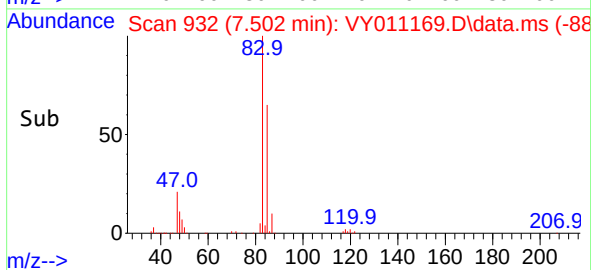
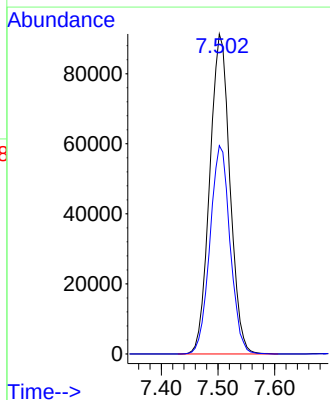
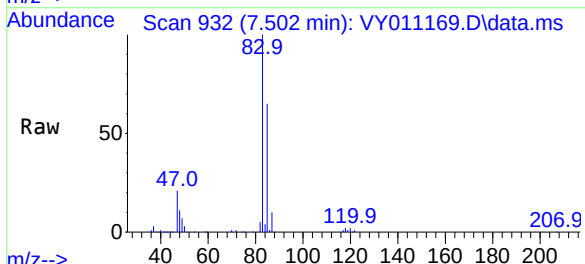
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

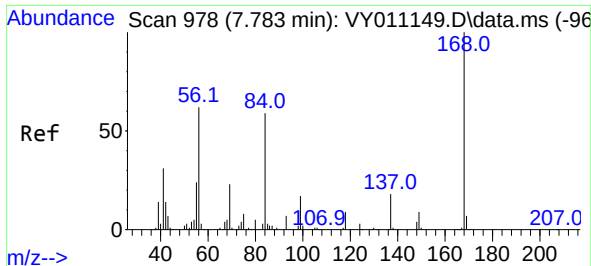
Tgt Ion: 42 Resp: 146969  
Ion Ratio Lower Upper  
42 100  
72 47.0 30.3 45.5#  
71 43.7 29.0 43.4#



#30  
Chloroform  
Concen: 47.599 ug/l  
RT: 7.502 min Scan# 932  
Delta R.T. -0.007 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

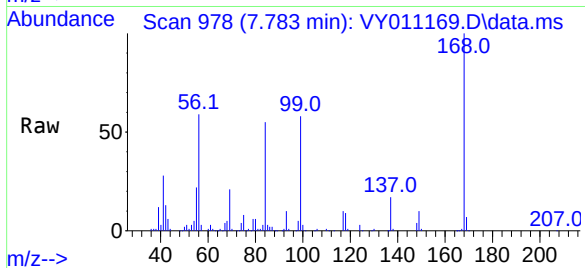
Tgt Ion: 83 Resp: 225699  
Ion Ratio Lower Upper  
83 100  
85 65.1 51.8 77.6



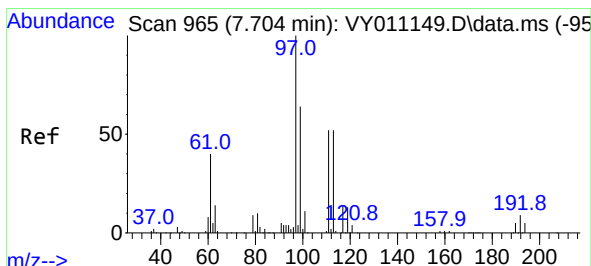
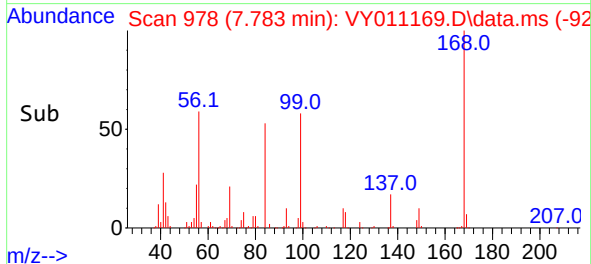
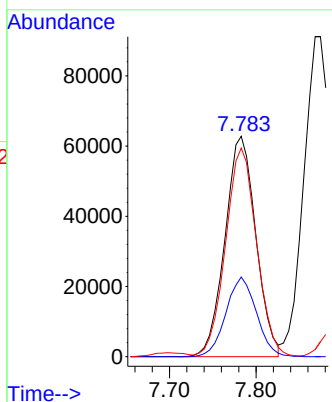


#31  
Cyclohexane  
Concen: 47.059 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

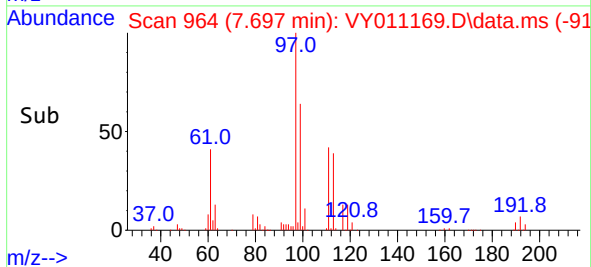
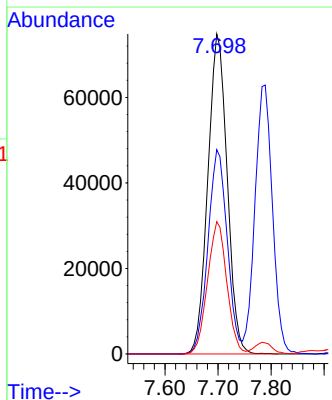
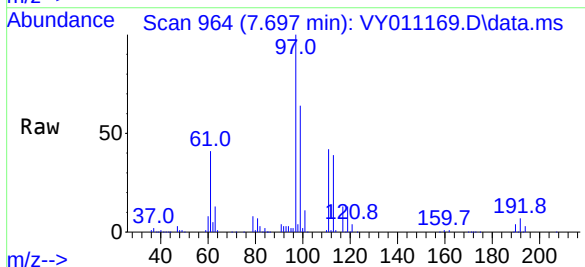


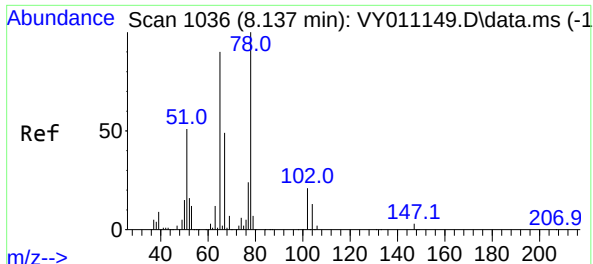
Tgt Ion: 56 Resp: 155695  
Ion Ratio Lower Upper  
56 100  
69 36.1 26.7 40.1  
84 93.1 67.2 100.8



#32  
1,1,1-Trichloroethane  
Concen: 47.026 ug/l  
RT: 7.697 min Scan# 964  
Delta R.T. -0.006 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 97 Resp: 189720  
Ion Ratio Lower Upper  
97 100  
99 63.9 50.7 76.1  
61 41.2 37.6 56.4

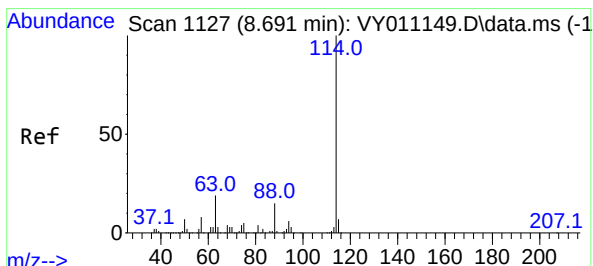
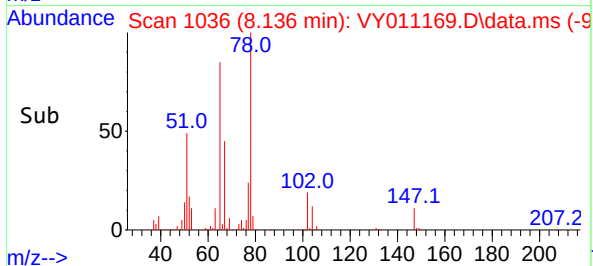
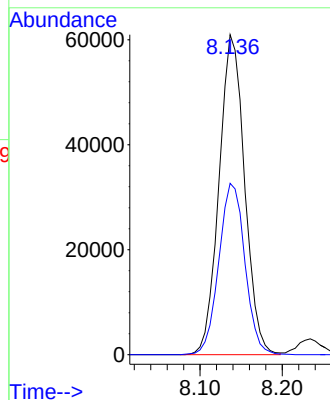
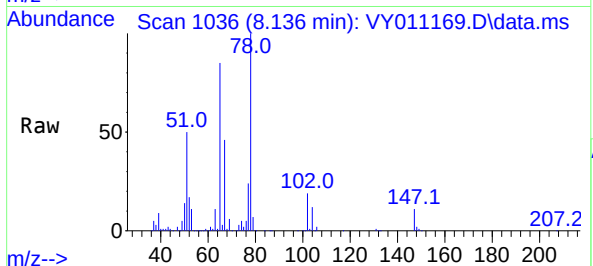




#33  
1,2-Dichloroethane-d4  
Concen: 49.993 ug/l  
RT: 8.136 min Scan# 110  
Delta R.T. -0.001 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

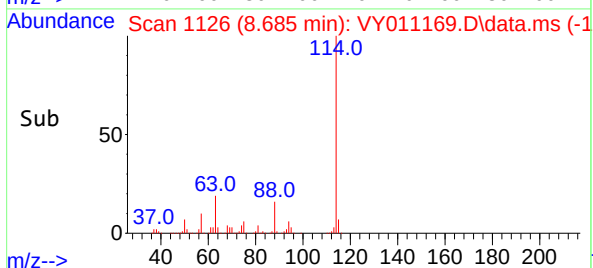
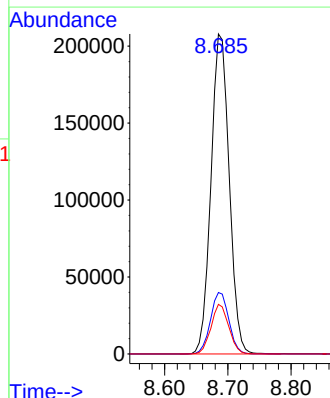
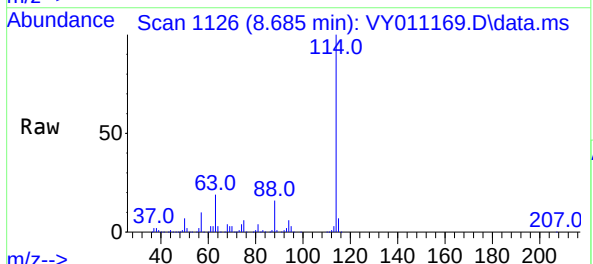
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

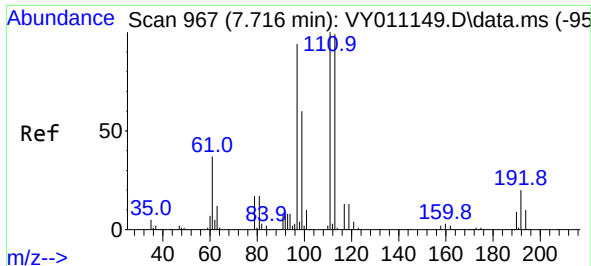
Tgt Ion: 65 Resp: 131775  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 99.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 114 Resp: 415552  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 43.2  
88 15.5 0.0 31.8

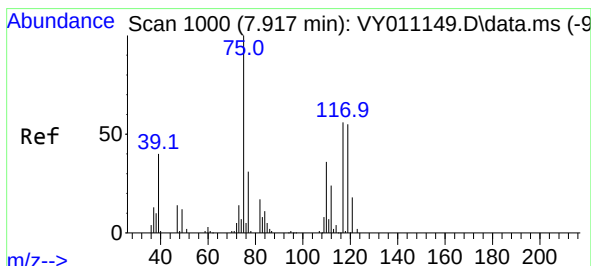
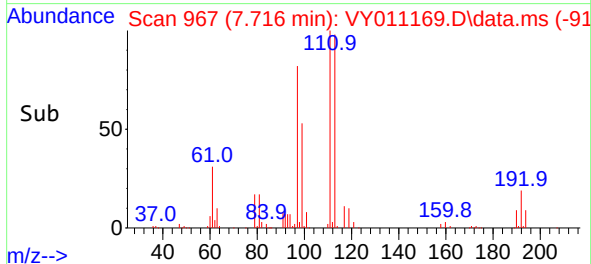
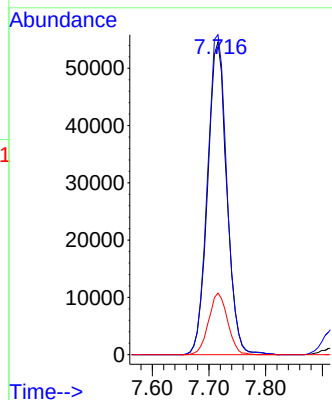
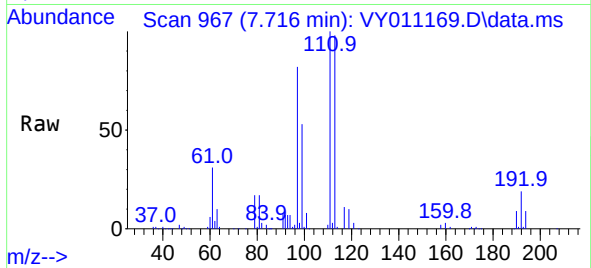




#35  
Dibromofluoromethane  
Concen: 50.162 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

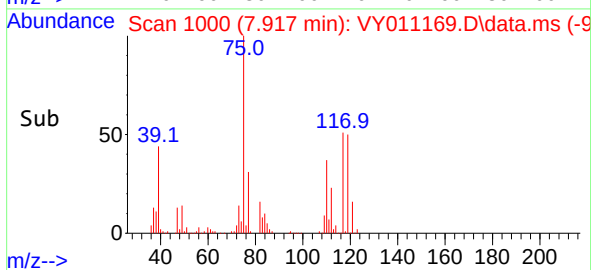
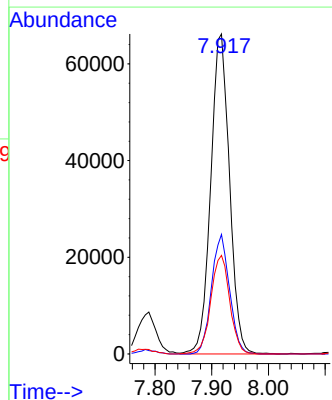
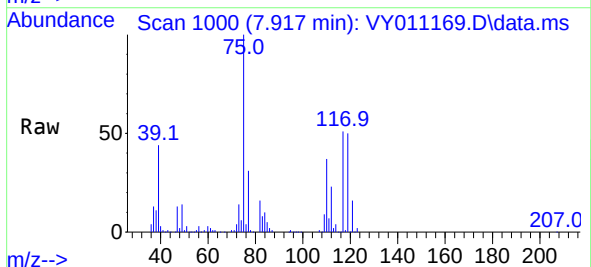
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

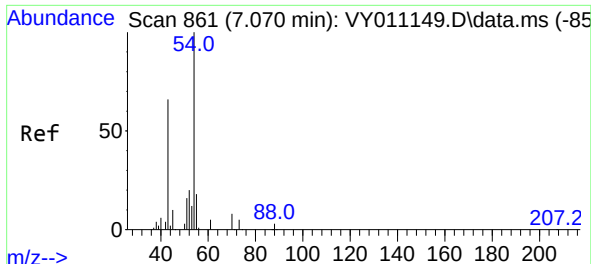
Tgt Ion:113 Resp: 128189  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.6 124.0  
192 19.5 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 45.662 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 75 Resp: 152124  
Ion Ratio Lower Upper  
75 100  
110 35.8 17.1 51.2  
77 31.1 24.4 36.6

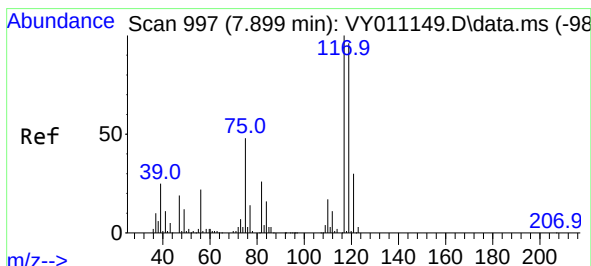
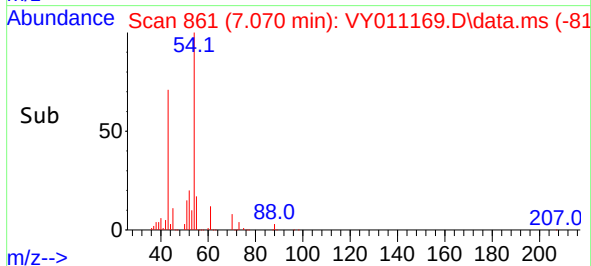
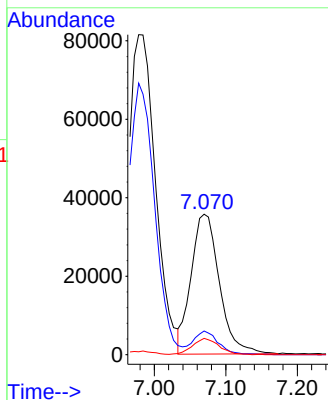
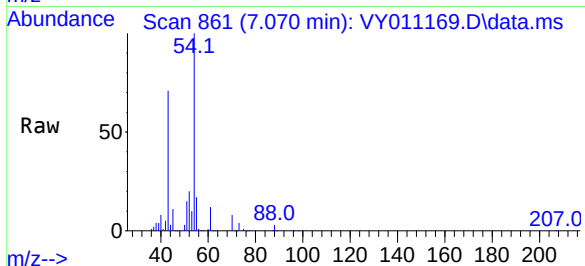




#37  
Ethyl Acetate  
Concen: 52.048 ug/l  
RT: 7.070 min Scan# 861  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

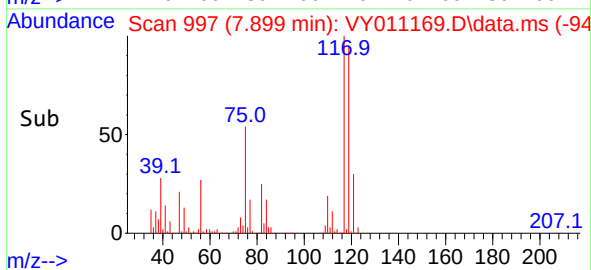
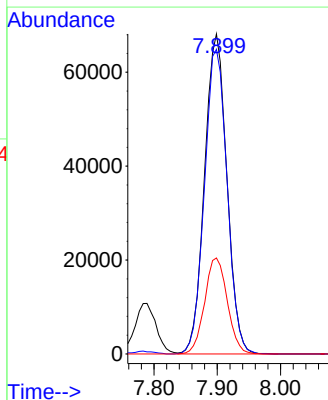
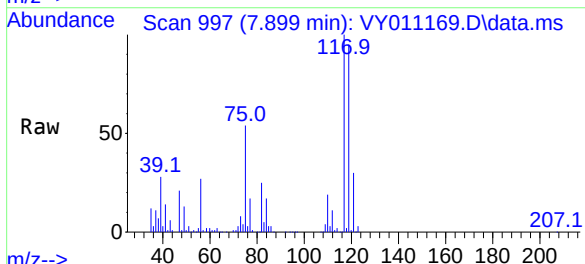
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

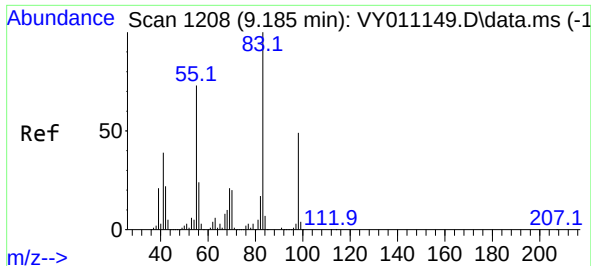
Tgt Ion: 43 Resp: 98108  
Ion Ratio Lower Upper  
43 100  
61 15.3 9.7 14.5#  
70 11.0 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 46.033 ug/l  
RT: 7.899 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 117 Resp: 167044  
Ion Ratio Lower Upper  
117 100  
119 95.2 77.9 116.9  
121 30.0 24.8 37.2





#39

Methylcyclohexane

Concen: 45.870 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

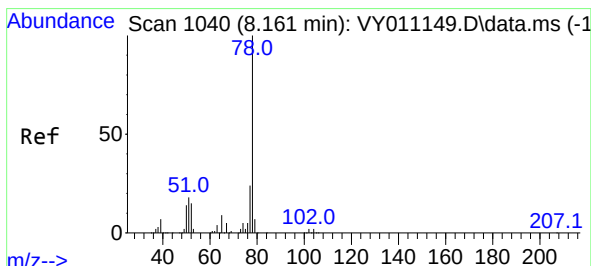
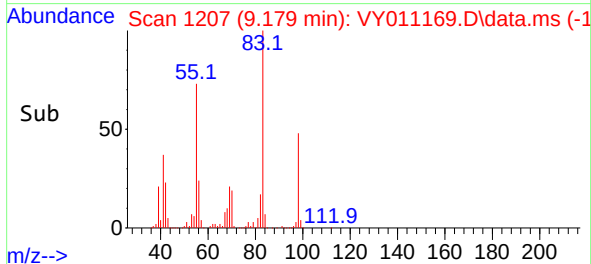
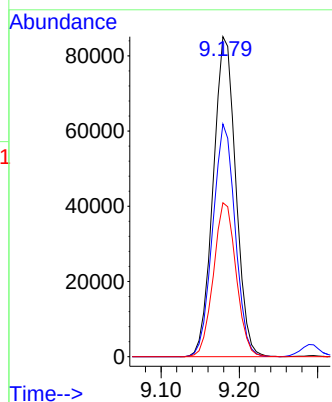
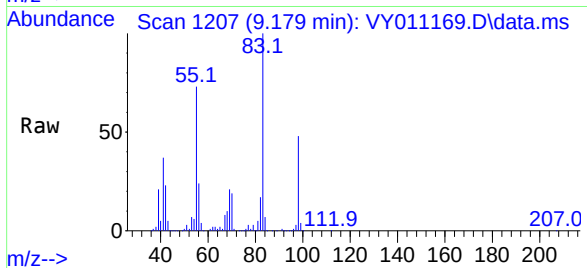
Tgt Ion: 83 Resp: 170515

Ion Ratio Lower Upper

83 100

55 72.7 66.5 99.7

98 48.1 37.9 56.9



#40

Benzene

Concen: 46.882 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY011169.D

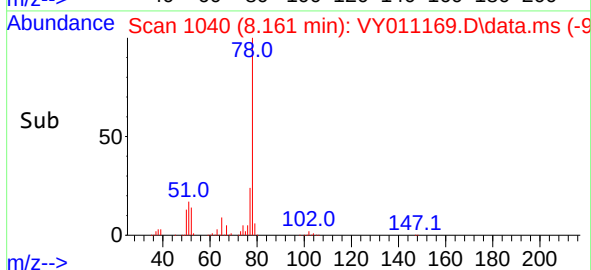
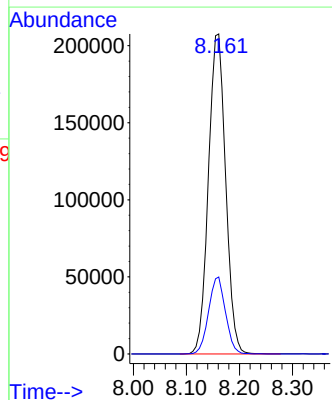
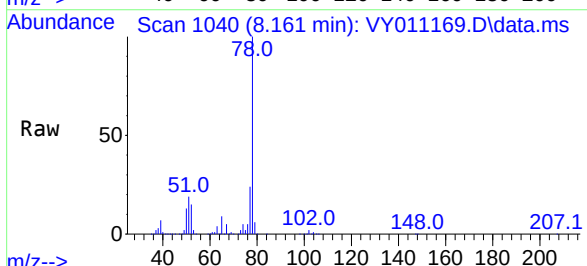
Acq: 28 Oct 2022 19:57

Tgt Ion: 78 Resp: 467606

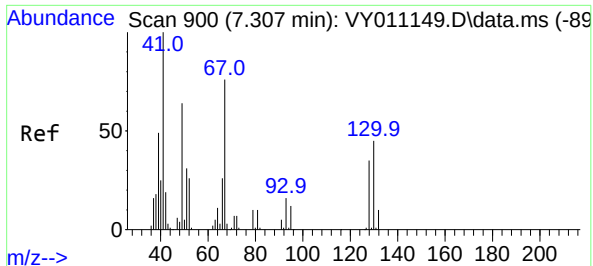
Ion Ratio Lower Upper

78 100

77 24.1 20.4 30.6



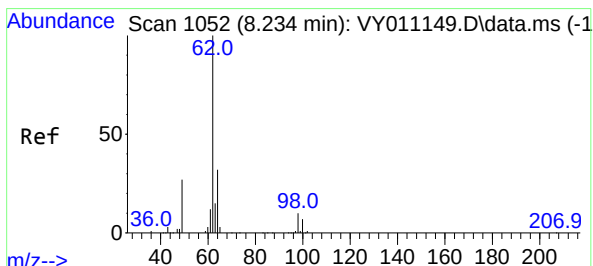
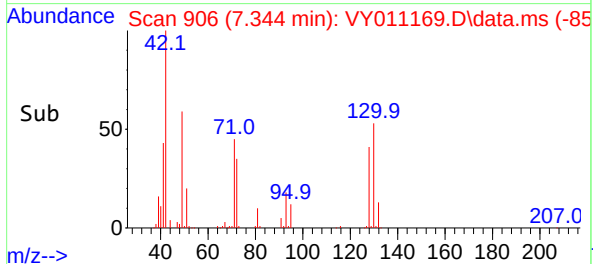
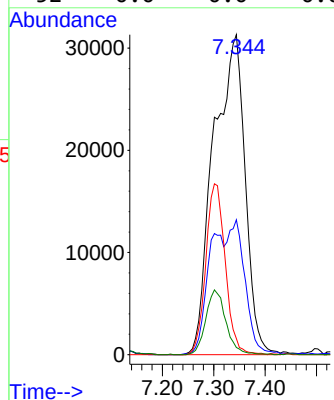
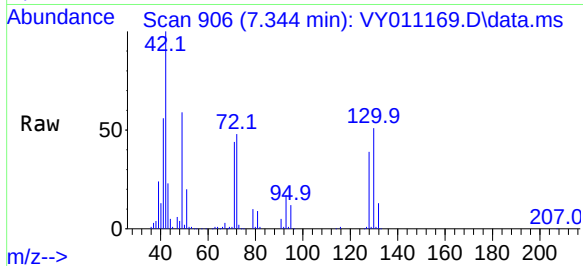




#41  
Methacrylonitrile  
Concen: 135.117 ug/l  
RT: 7.344 min Scan# 900  
Delta R.T. 0.037 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

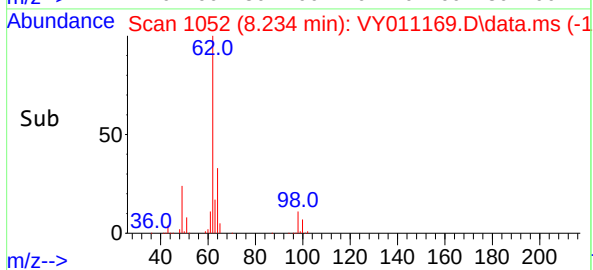
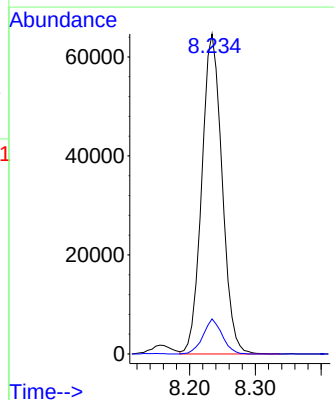
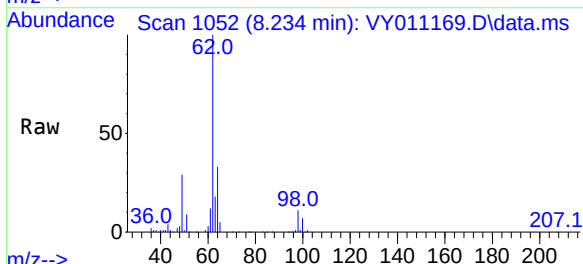
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

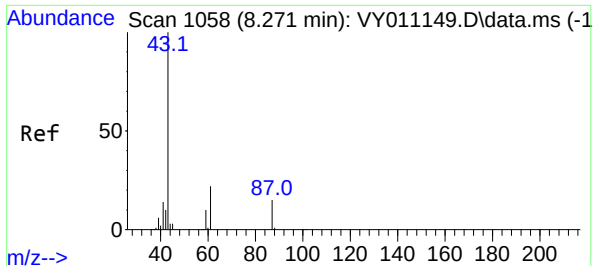
Tgt Ion: 41 Resp: 133098  
Ion Ratio Lower Upper  
41 100  
39 0.0 92.9 139.3#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 48.921 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 62 Resp: 138830  
Ion Ratio Lower Upper  
62 100  
98 10.3 0.0 14.8





#43

Isopropyl Acetate

Concen: 51.307 ug/l

RT: 8.271 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

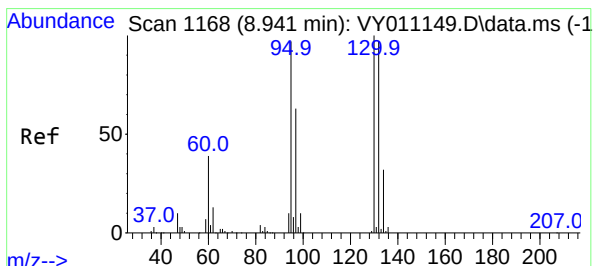
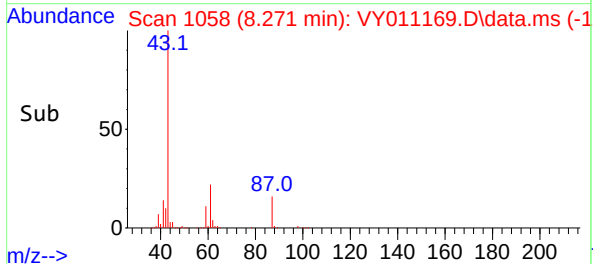
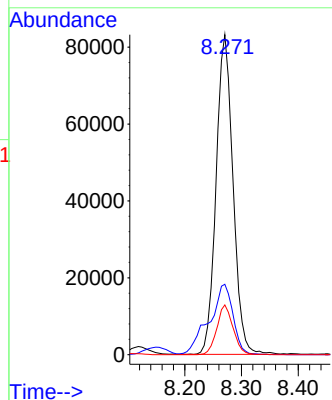
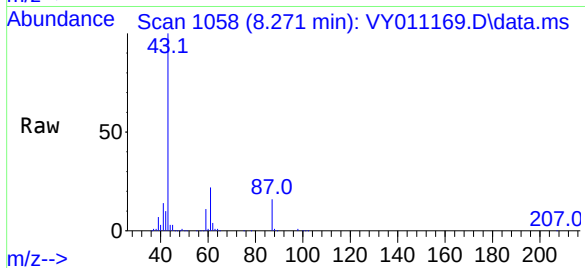
Tgt Ion: 43 Resp: 172445

Ion Ratio Lower Upper

43 100

61 31.2 20.2 30.2#

87 15.0 8.9 13.3#



#44

Trichloroethene

Concen: 46.743 ug/l

RT: 8.935 min Scan# 1167

Delta R.T. -0.006 min

Lab File: VY011169.D

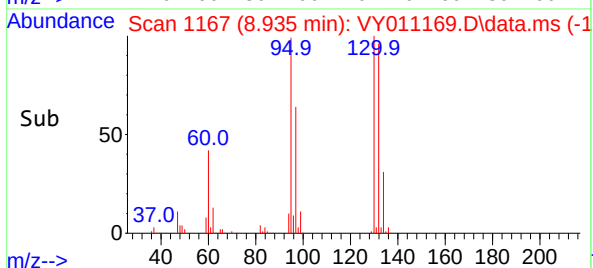
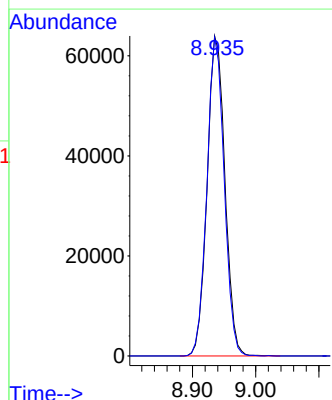
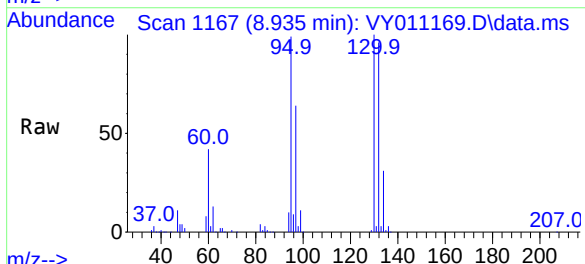
Acq: 28 Oct 2022 19:57

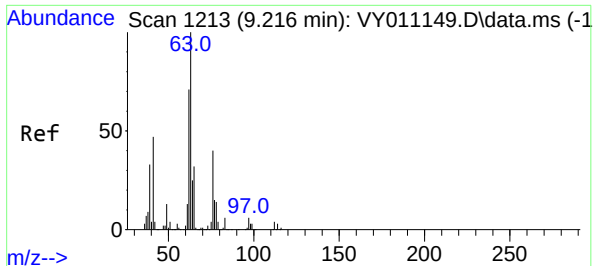
Tgt Ion:130 Resp: 125306

Ion Ratio Lower Upper

130 100

95 99.5 0.0 188.2





#45

1,2-Dichloropropane

Concen: 48.620 ug/l

RT: 9.216 min Scan# 1213

Delta R.T. -0.000 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

Instrument :

MSVOA\_Y

ClientSampleId :

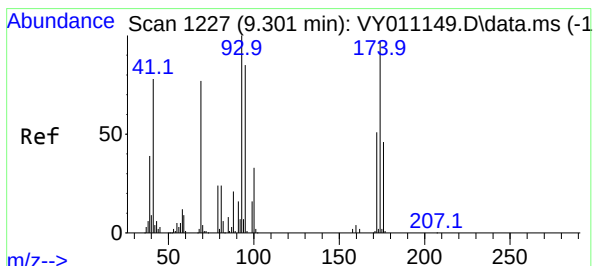
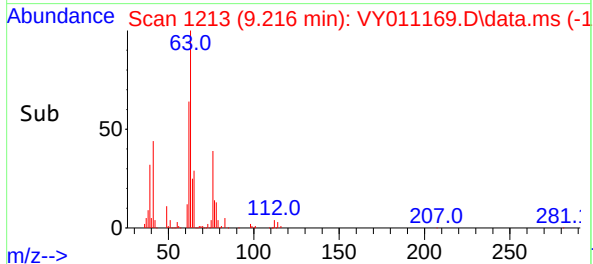
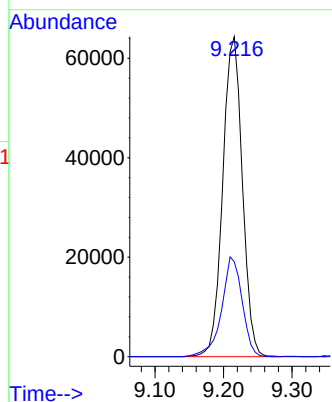
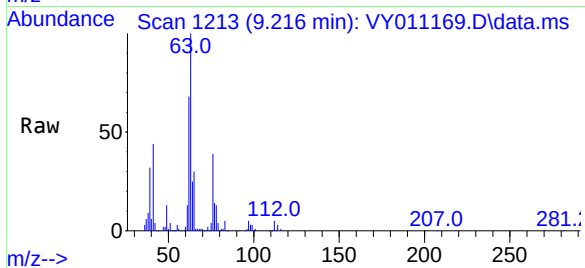
VSTDCCC050EC

Tgt Ion: 63 Resp: 127652

Ion Ratio Lower Upper

63 100

65 29.7 23.0 34.6



#46

Dibromomethane

Concen: 48.892 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

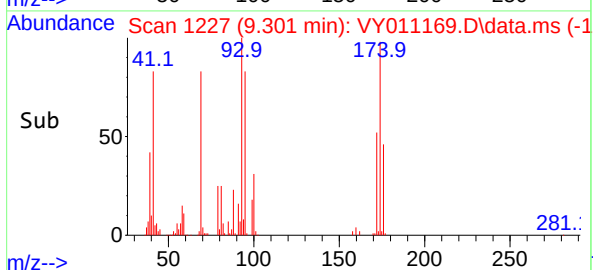
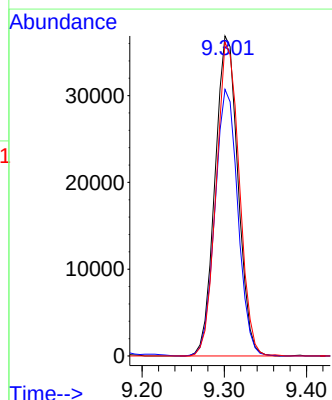
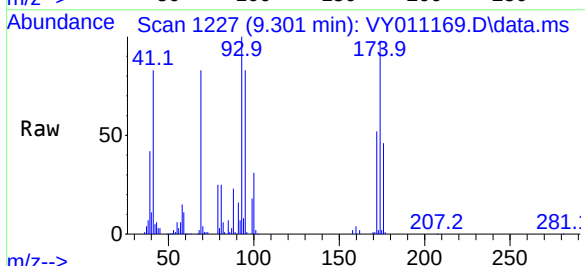
Tgt Ion: 93 Resp: 71757

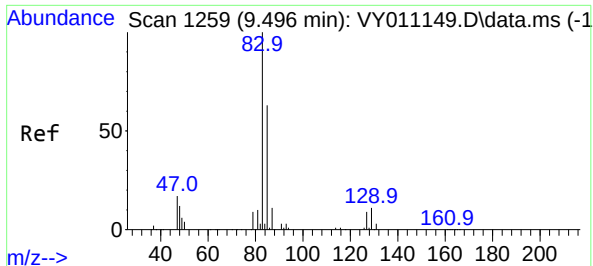
Ion Ratio Lower Upper

93 100

95 82.9 64.3 96.5

174 97.9 83.4 125.0

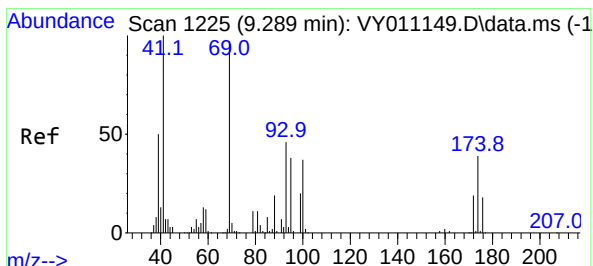
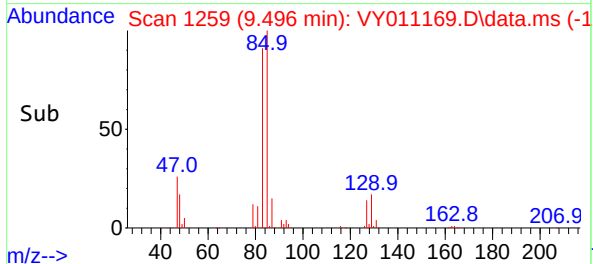
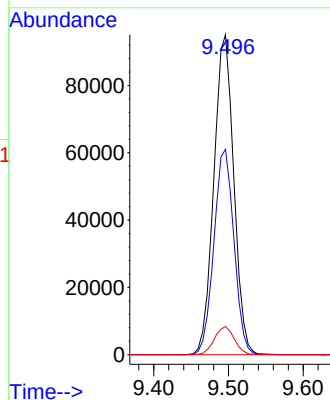
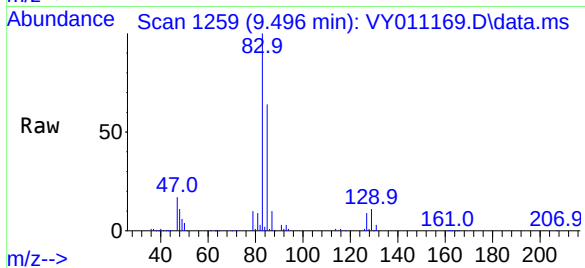




#47  
Bromodichloromethane  
Concen: 48.625 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

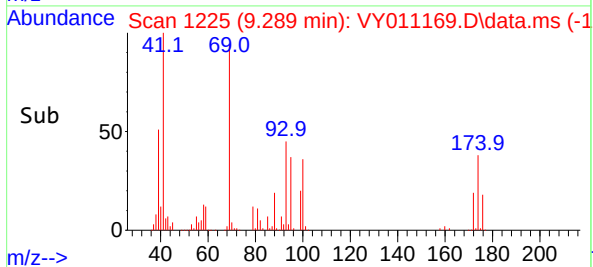
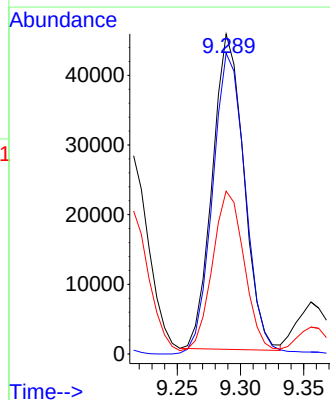
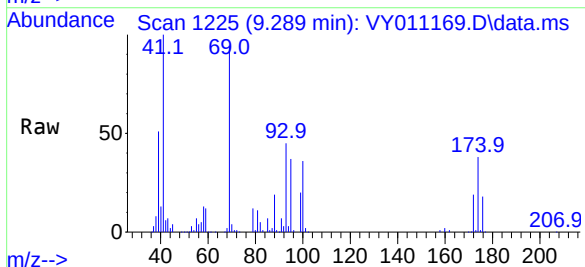
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

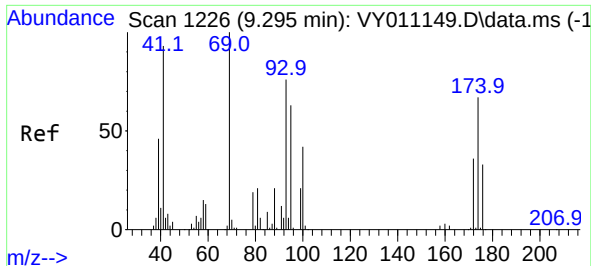
Tgt Ion: 83 Resp: 176357  
Ion Ratio Lower Upper  
83 100  
85 64.2 51.9 77.9  
127 8.8 6.6 10.0



#48  
Methyl methacrylate  
Concen: 52.425 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 41 Resp: 78540  
Ion Ratio Lower Upper  
41 100  
69 99.6 58.2 87.2#  
39 53.1 47.4 71.0

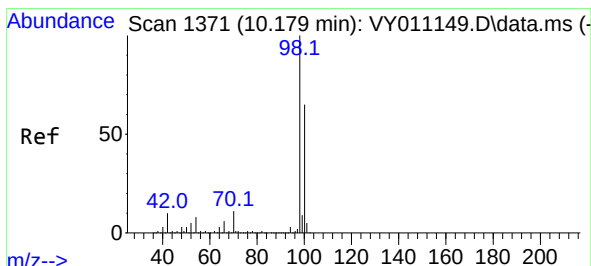
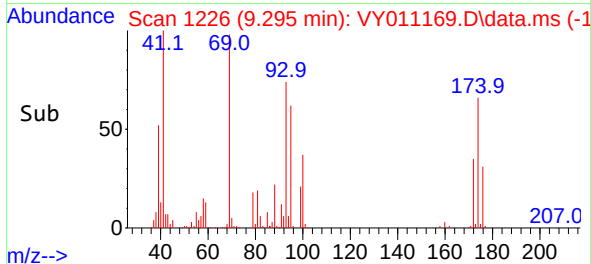
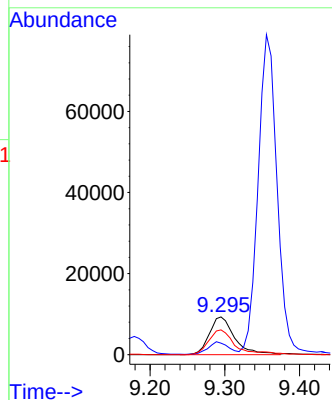
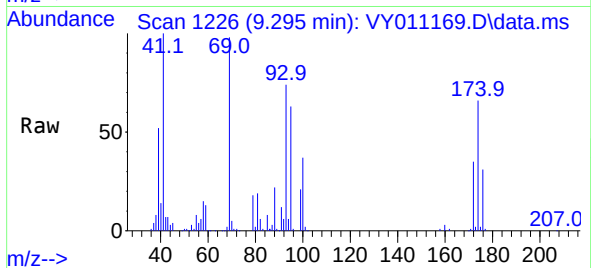




#49  
1,4-Dioxane  
Concen: 1078.151 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

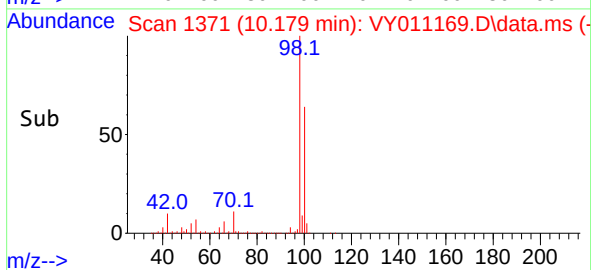
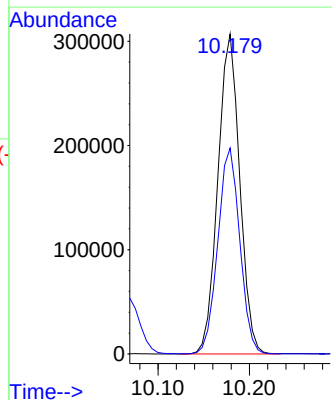
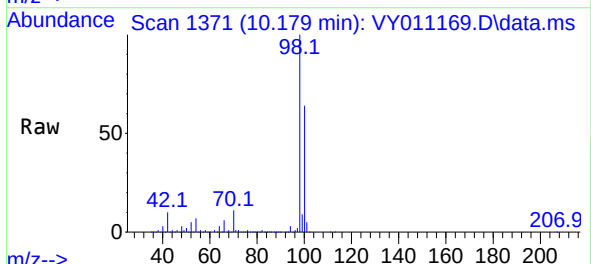
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

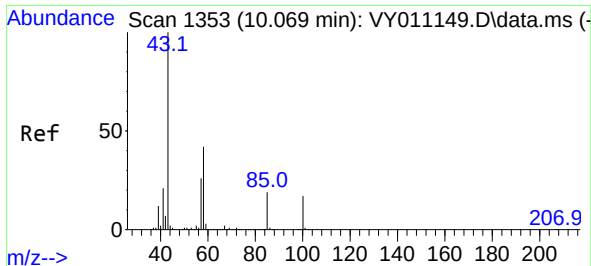
Tgt Ion: 88 Resp: 21840  
Ion Ratio Lower Upper  
88 100  
43 26.8 32.8 49.2#  
58 64.0 59.8 89.6



#50  
Toluene-d8  
Concen: 50.366 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 98 Resp: 509911  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 270.629 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. 0.000 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

Instrument :

MSVOA\_Y

ClientSampleId :

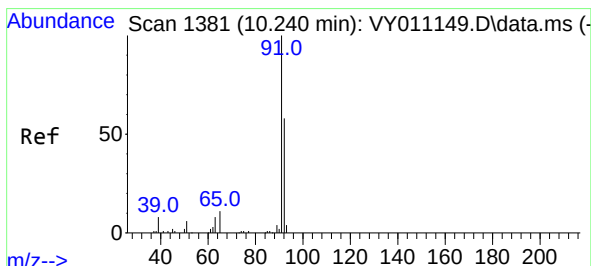
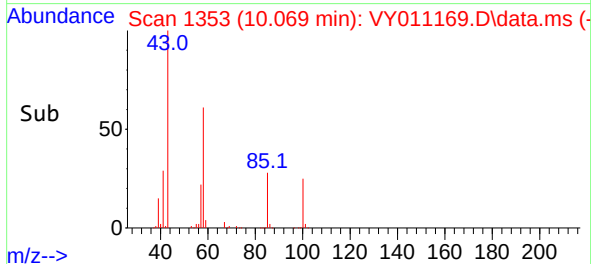
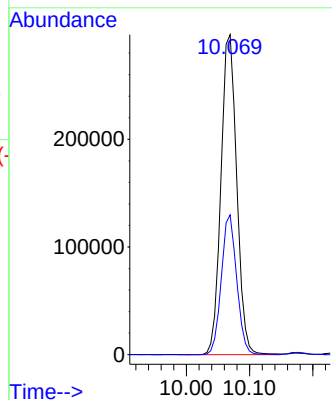
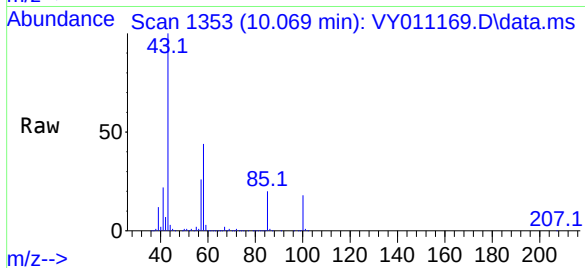
VSTDCCC050EC

Tgt Ion: 43 Resp: 512856

Ion Ratio Lower Upper

43 100

58 42.6 28.1 42.1#



#52

Toluene

Concen: 47.771 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY011169.D

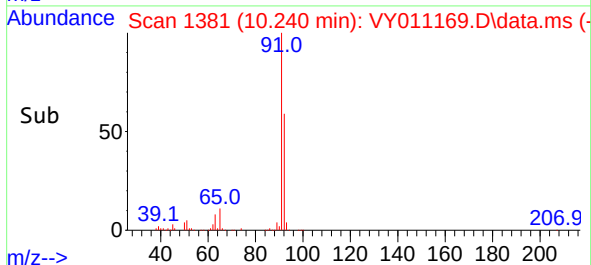
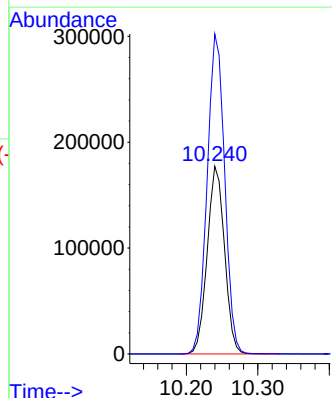
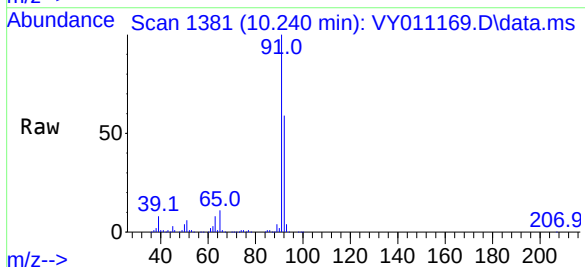
Acq: 28 Oct 2022 19:57

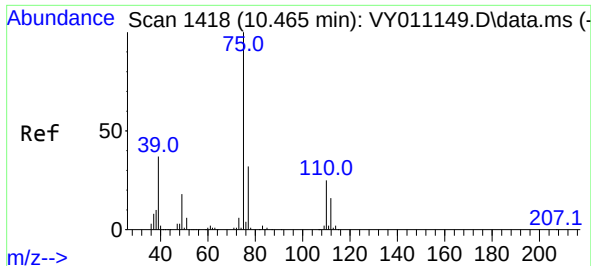
Tgt Ion: 92 Resp: 298251

Ion Ratio Lower Upper

92 100

91 172.2 142.6 213.8

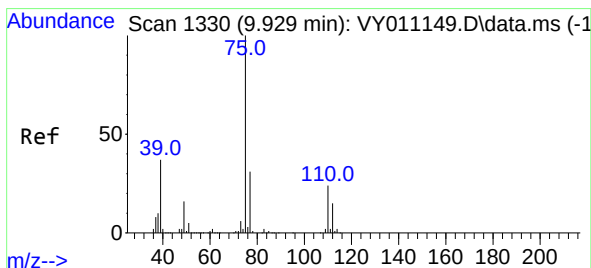
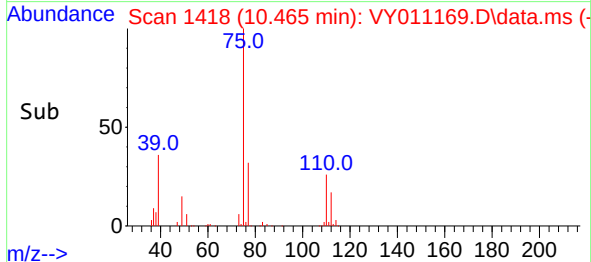
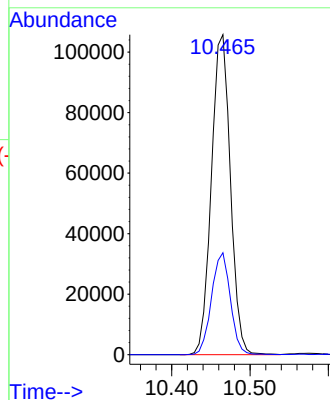
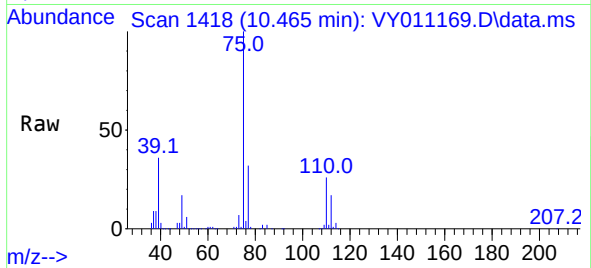




#53  
t-1,3-Dichloropropene  
Concen: 49.090 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

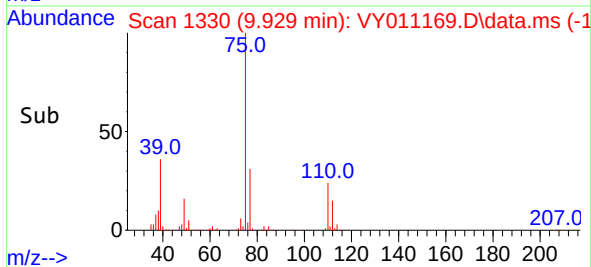
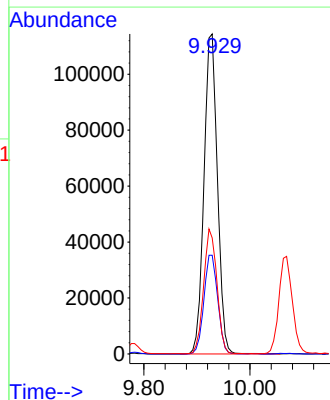
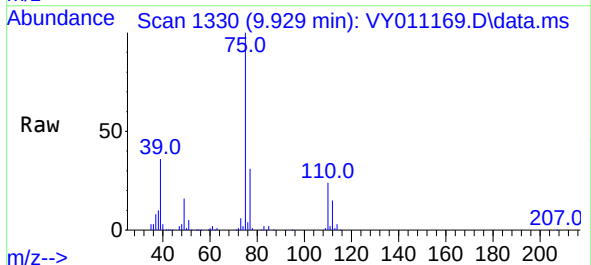
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

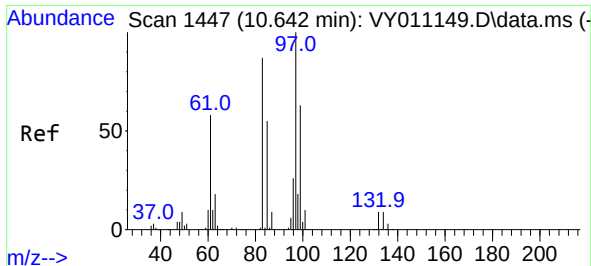
Tgt Ion: 75 Resp: 178513  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 48.805 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 75 Resp: 201171  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.6 38.4  
39 36.1 47.6 71.4#



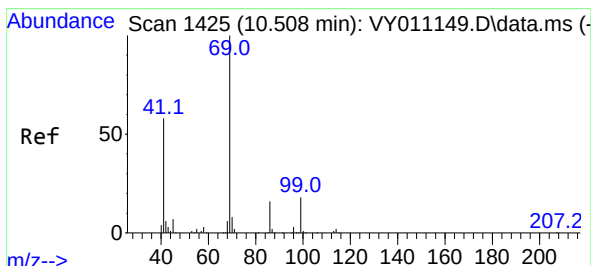
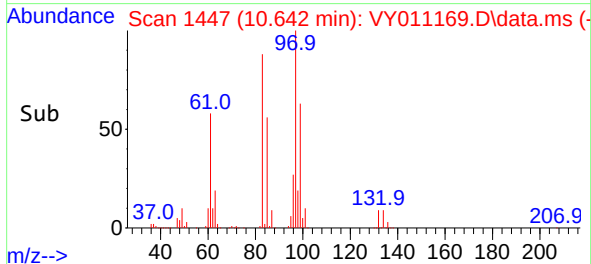
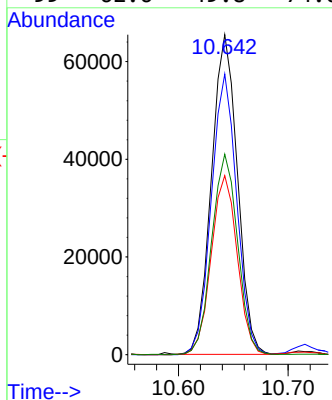
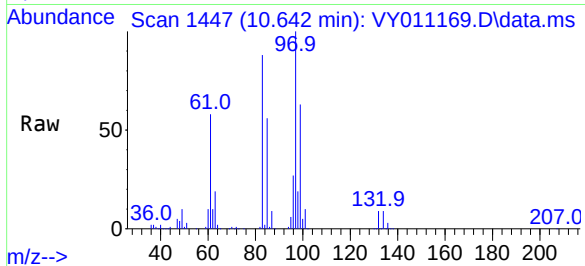


#55  
1,1,2-Trichloroethane  
Concen: 49.309 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 107716

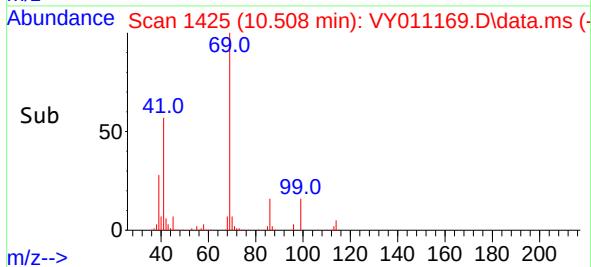
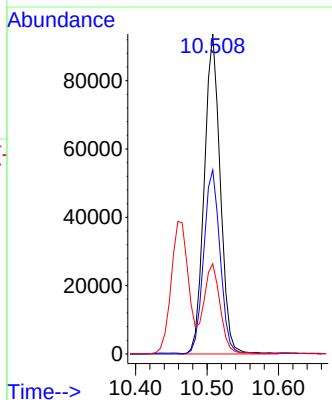
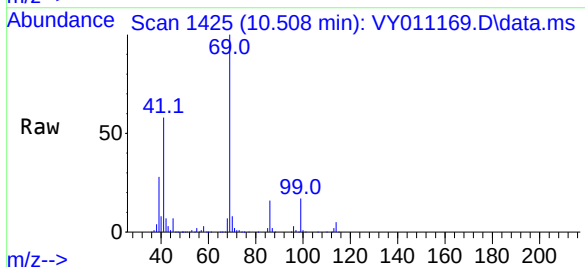
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 87.8  | 69.8  | 104.8 |
| 85  | 55.9  | 44.3  | 66.5  |
| 99  | 62.6  | 49.8  | 74.6  |



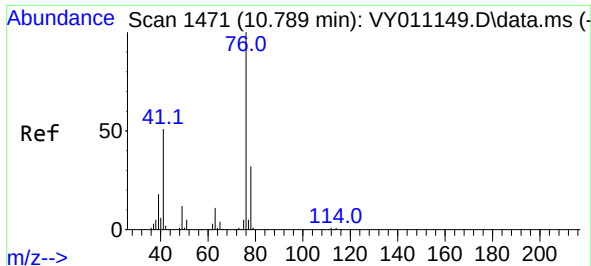
#56  
Ethyl methacrylate  
Concen: 52.918 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 69 Resp: 145483

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 58.7  | 63.4  | 95.0# |
| 39  | 28.6  | 35.8  | 53.8# |







#57

1,3-Dichloropropane

Concen: 49.796 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. -0.001 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

Instrument :

MSVOA\_Y

ClientSampleId :

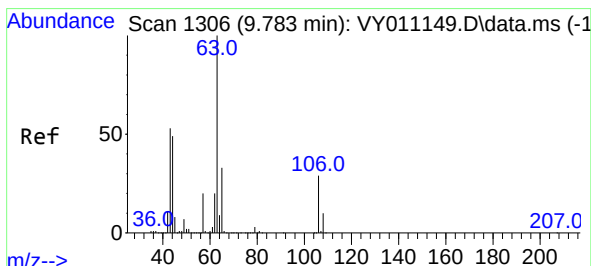
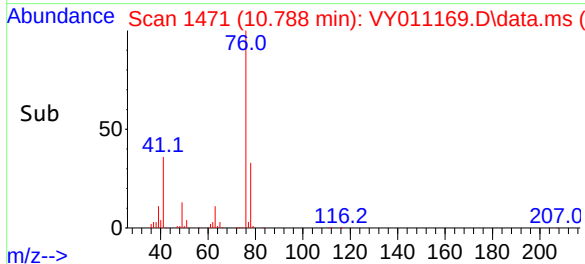
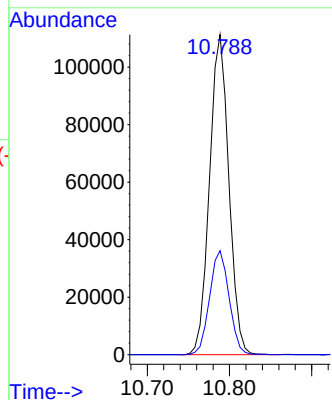
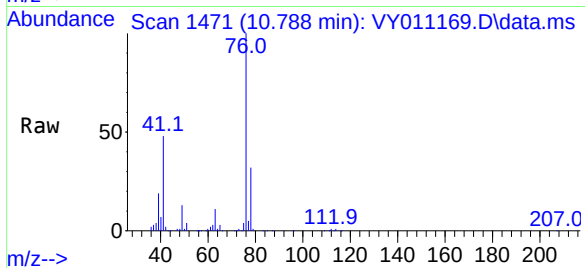
VSTDCCC050EC

Tgt Ion: 76 Resp: 181573

Ion Ratio Lower Upper

76 100

78 32.8 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 265.680 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. -0.001 min

Lab File: VY011169.D

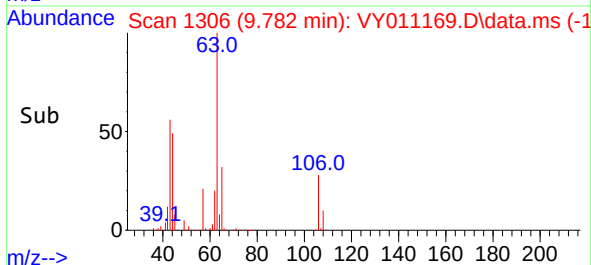
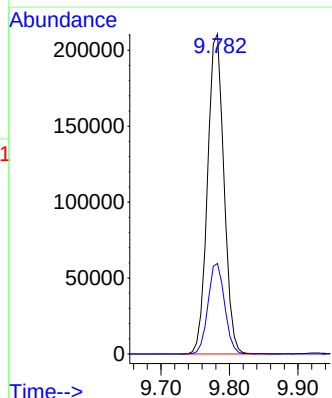
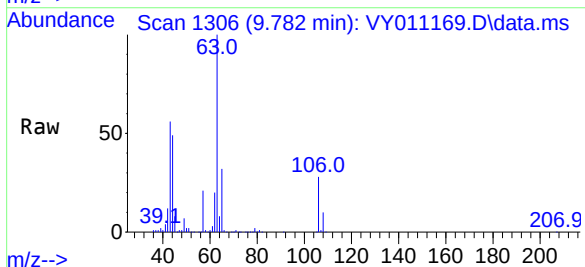
Acq: 28 Oct 2022 19:57

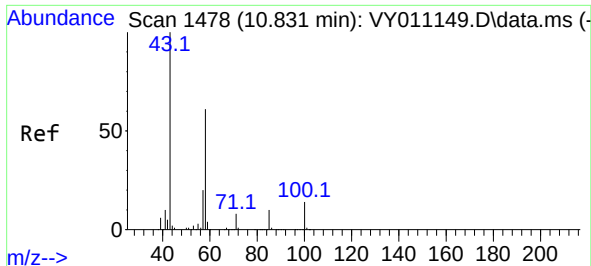
Tgt Ion: 63 Resp: 351295

Ion Ratio Lower Upper

63 100

106 28.6 21.5 32.3

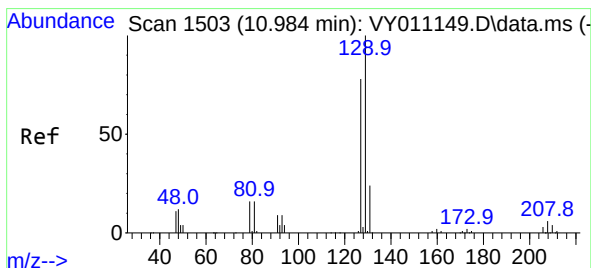
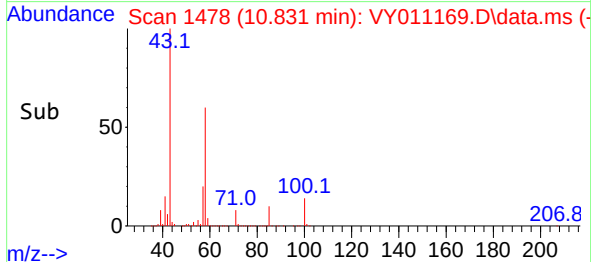
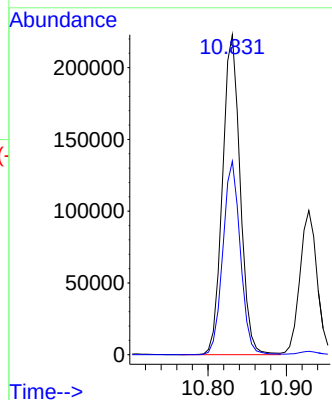
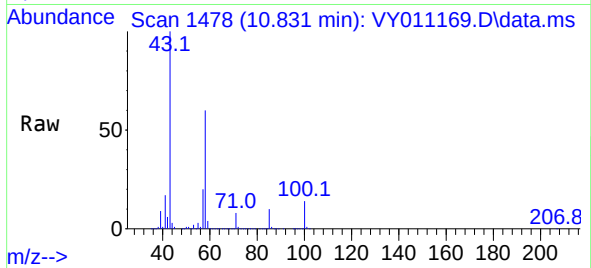




#59  
2-Hexanone  
Concen: 267.579 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

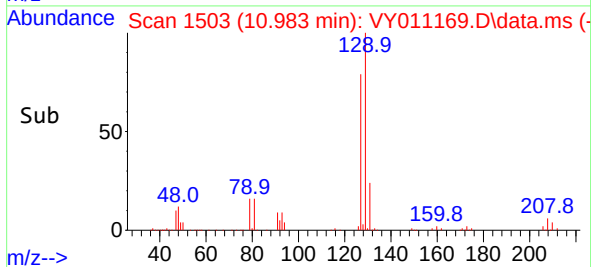
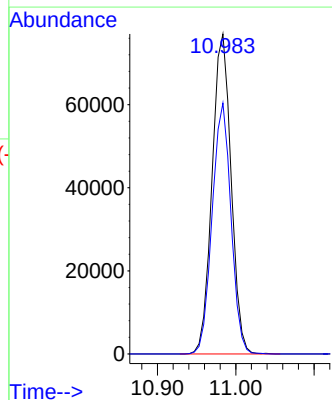
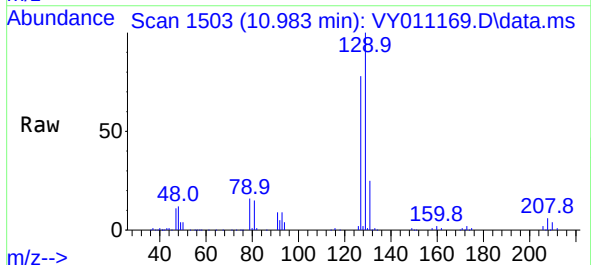
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

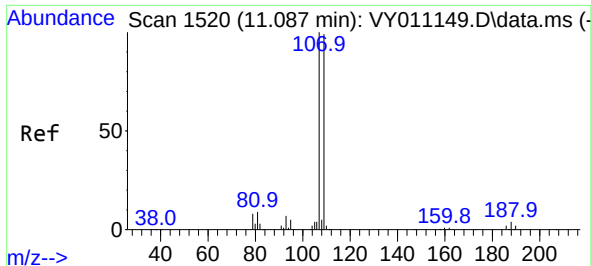
Tgt Ion: 43 Resp: 349956  
Ion Ratio Lower Upper  
43 100  
58 59.6 24.4 73.4



#60  
Dibromochloromethane  
Concen: 50.173 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. -0.001 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion:129 Resp: 129598  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.7 116.1

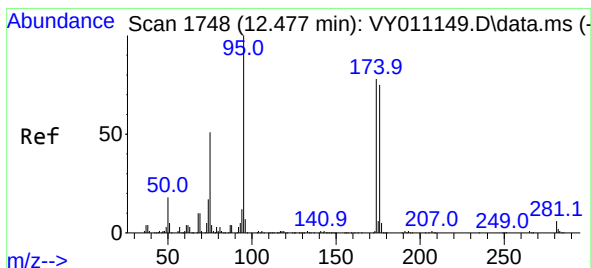
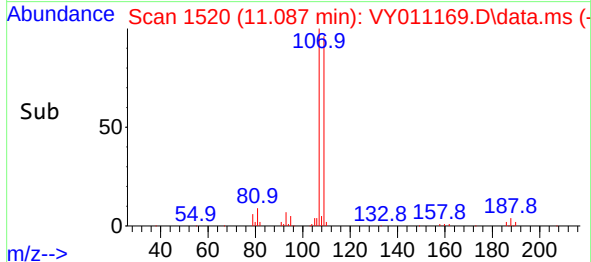
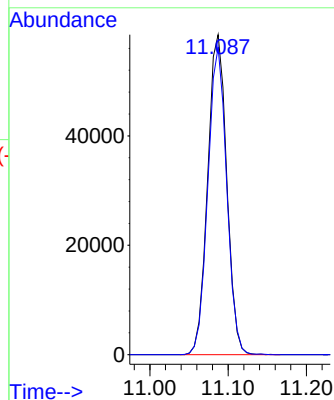
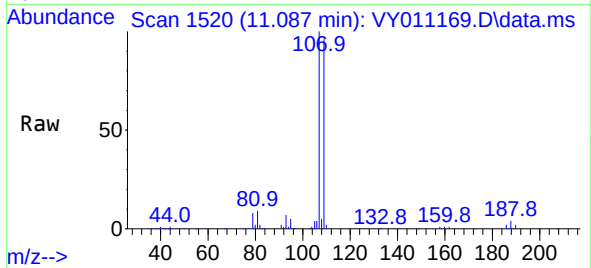




#61  
1,2-Dibromoethane  
Concen: 49.771 ug/l  
RT: 11.087 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

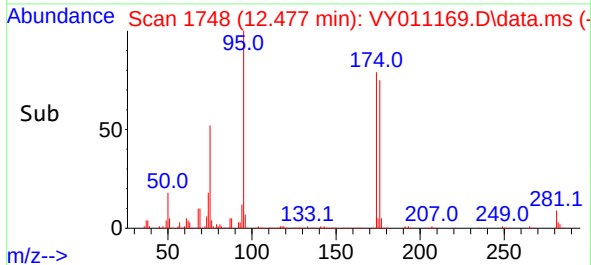
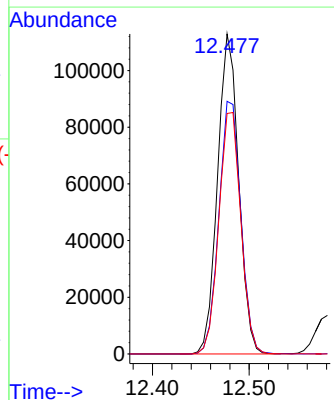
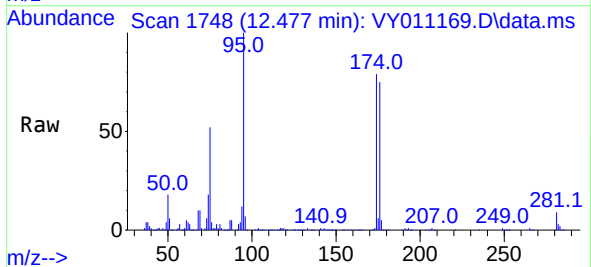
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

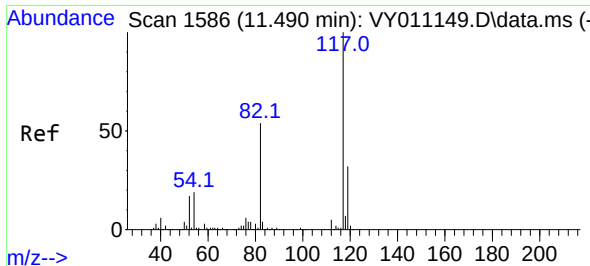
Tgt Ion:107 Resp: 98691  
Ion Ratio Lower Upper  
107 100  
109 94.8 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 51.560 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 95 Resp: 170799  
Ion Ratio Lower Upper  
95 100  
174 82.1 0.0 177.0  
176 78.9 0.0 175.8

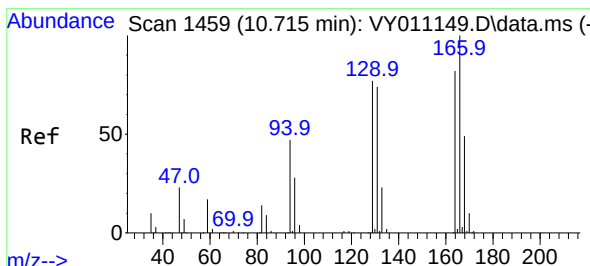
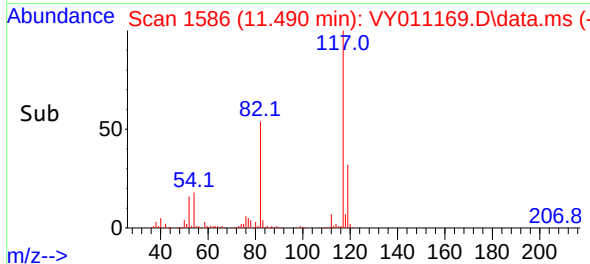
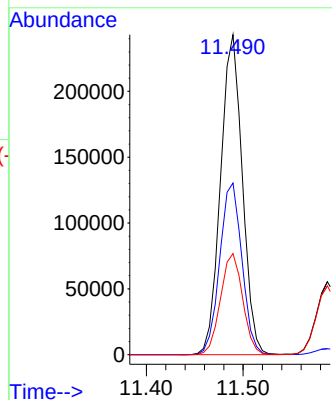
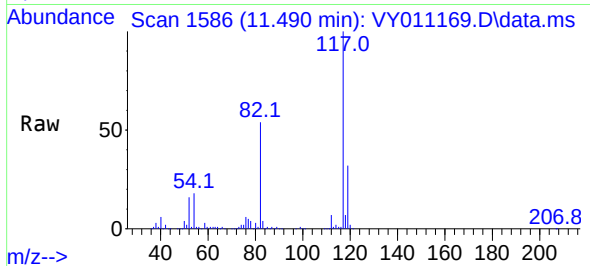




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1170  
Delta R.T. -0.001 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

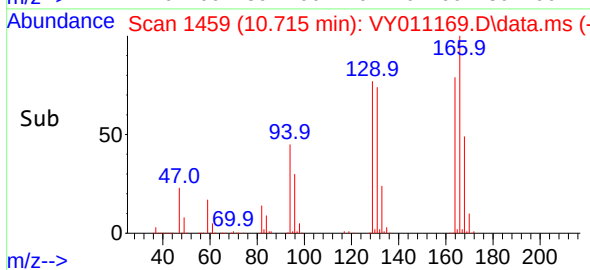
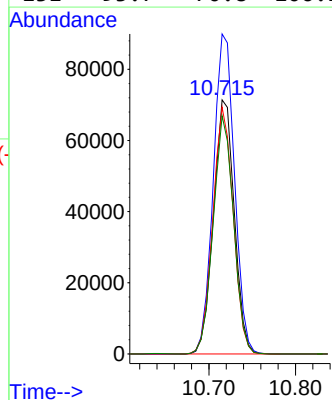
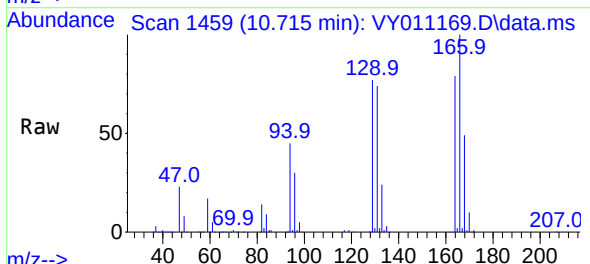
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

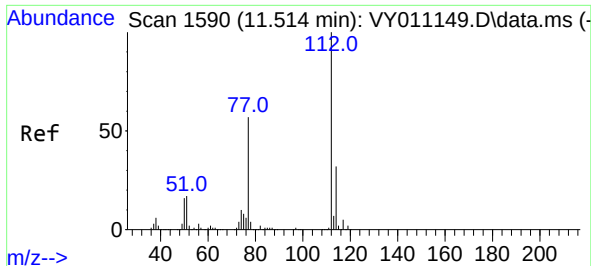
|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:117 | Resp: | 379799 |       |
| Ion         | Ratio | Lower  | Upper |
| 117         | 100   |        |       |
| 82          | 53.6  | 43.0   | 64.4  |
| 119         | 31.6  | 25.4   | 38.0  |



#64  
Tetrachloroethene  
Concen: 45.596 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:164 | Resp: | 119488 |
| Ion | Ratio   | Lower | Upper  |
| 164 | 100     |       |        |
| 166 | 125.9   | 100.4 | 150.6  |
| 129 | 97.1    | 71.4  | 107.0  |
| 131 | 93.7    | 70.8  | 106.2  |

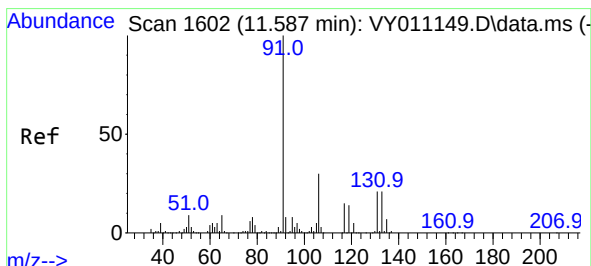
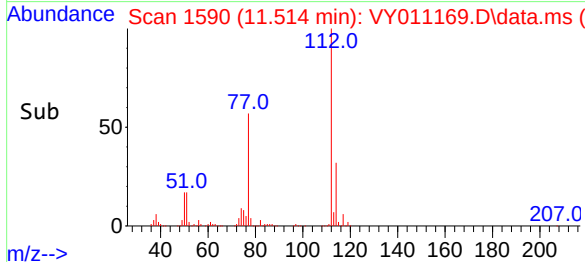
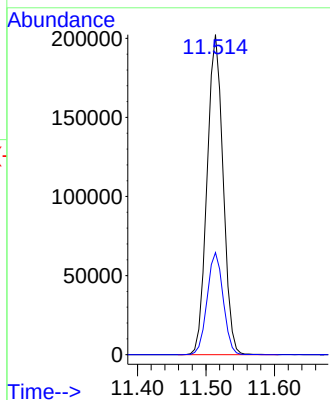
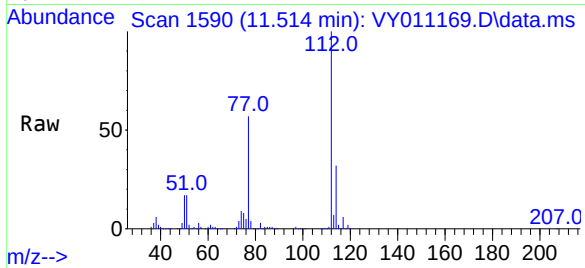




#65  
Chlorobenzene  
Concen: 47.083 ug/l  
RT: 11.514 min Scan# 1590  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

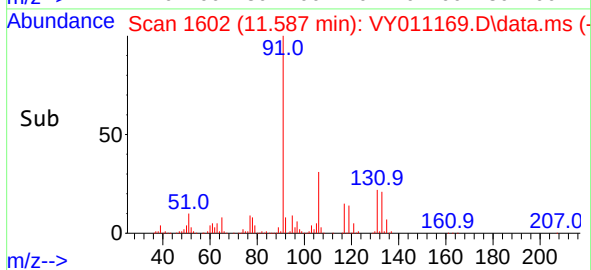
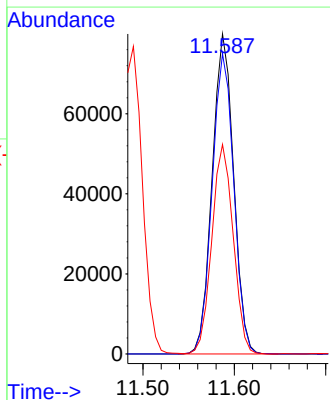
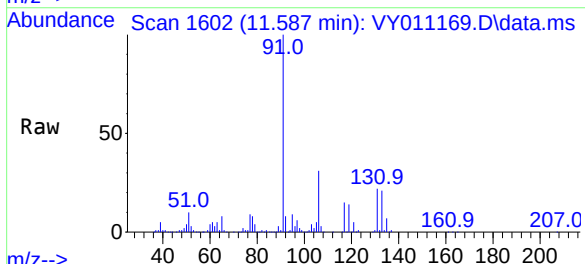
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

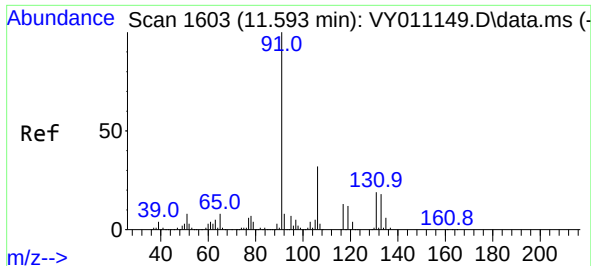
Tgt Ion:112 Resp: 329277  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 47.960 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion:131 Resp: 130140  
Ion Ratio Lower Upper  
131 100  
133 94.8 47.9 143.6  
119 65.4 30.8 92.3





#67

Ethyl Benzene

Concen: 47.686 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

Instrument :

MSVOA\_Y

ClientSampleId :

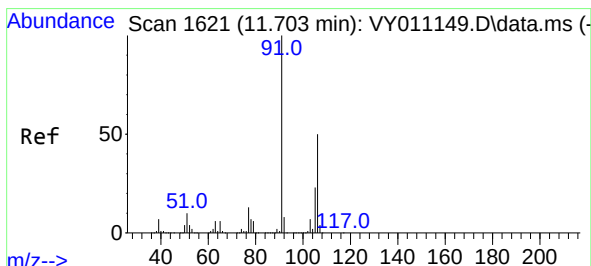
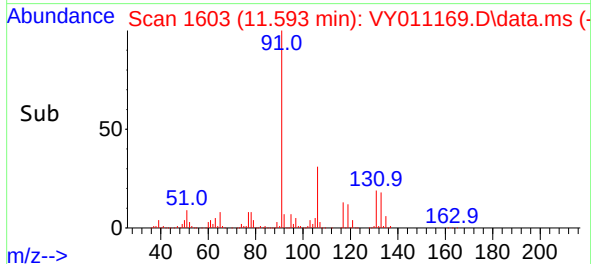
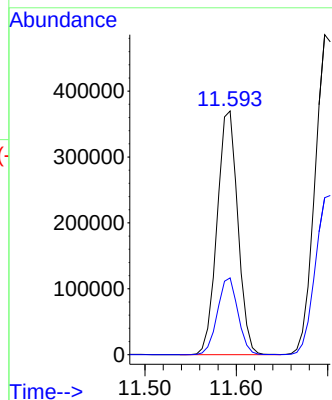
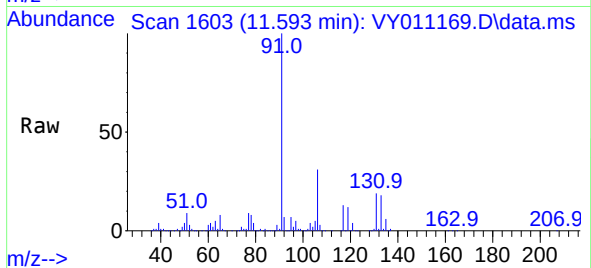
VSTDCCC050EC

Tgt Ion: 91 Resp: 582590

Ion Ratio Lower Upper

91 100

106 31.5 24.5 36.7



#68

m/p-Xylenes

Concen: 95.771 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY011169.D

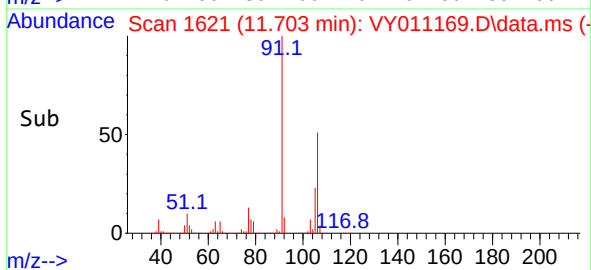
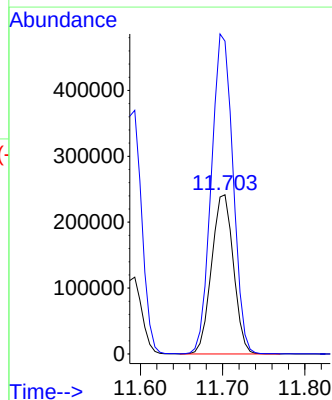
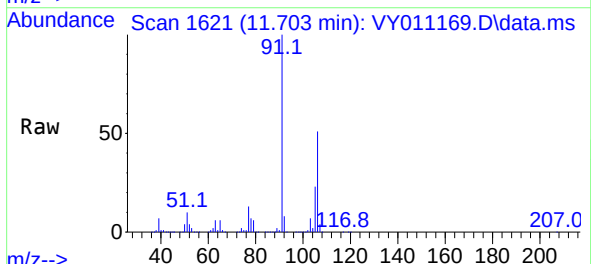
Acq: 28 Oct 2022 19:57

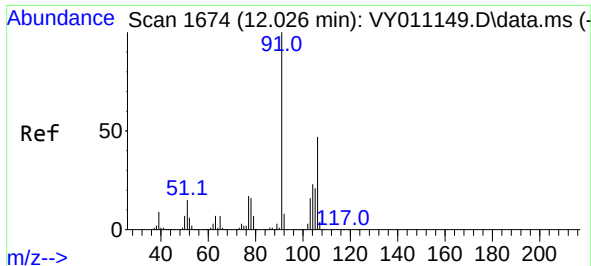
Tgt Ion: 106 Resp: 445941

Ion Ratio Lower Upper

106 100

91 199.9 166.6 249.8

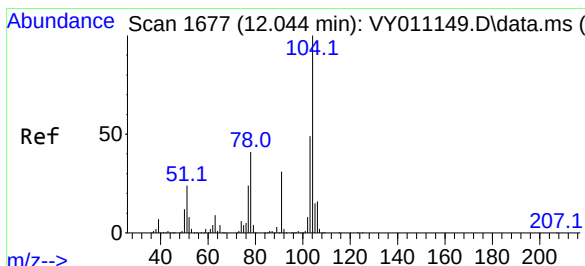
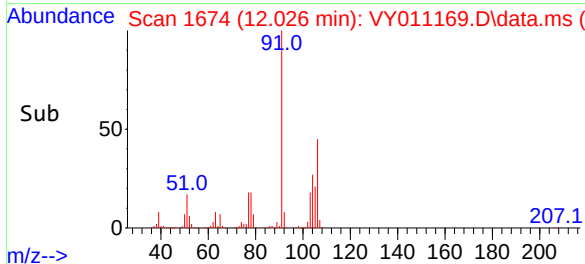
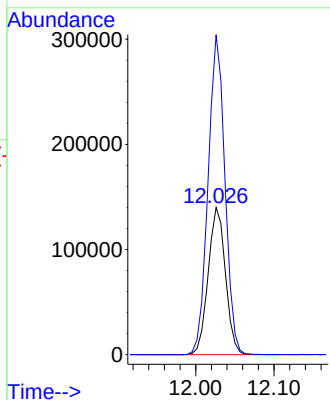
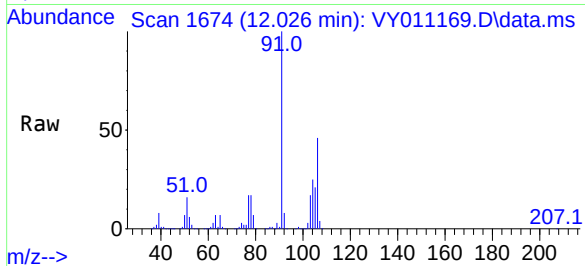




#69  
o-Xylene  
Concen: 48.244 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

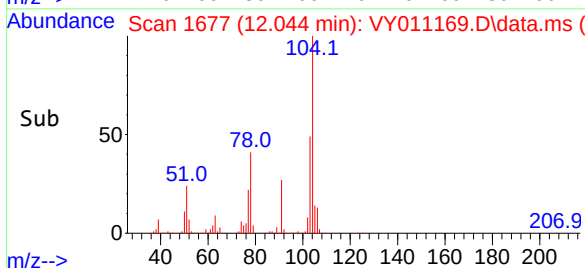
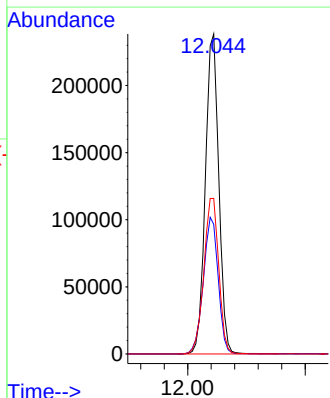
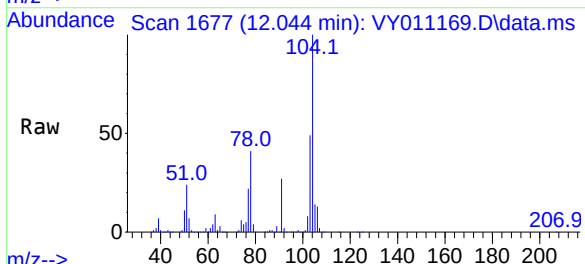
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

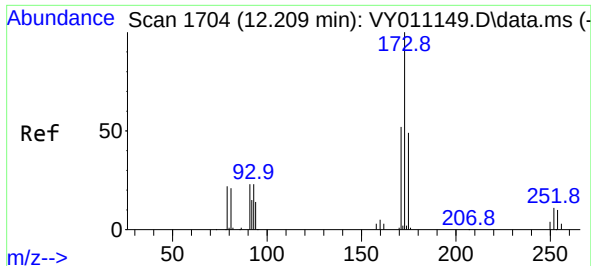
Tgt Ion:106 Resp: 214251  
Ion Ratio Lower Upper  
106 100  
91 212.0 110.3 331.0



#70  
Styrene  
Concen: 49.850 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion:104 Resp: 378347  
Ion Ratio Lower Upper  
104 100  
78 47.3 42.4 63.6  
103 54.1 44.4 66.6

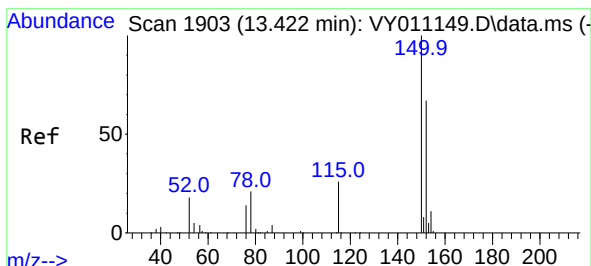
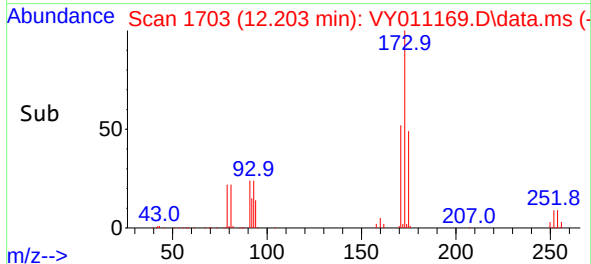
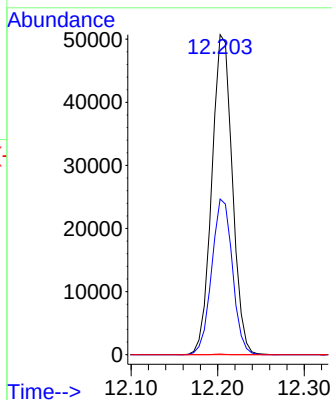
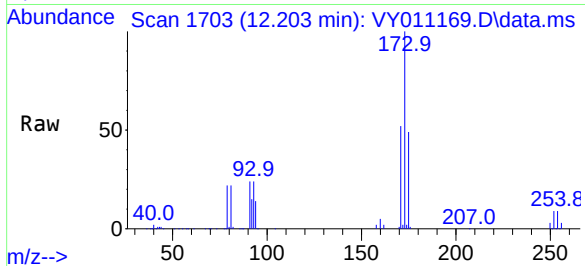




#71  
Bromoform  
Concen: 50.261 ug/l  
RT: 12.203 min Scan# 1703  
Delta R.T. -0.006 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

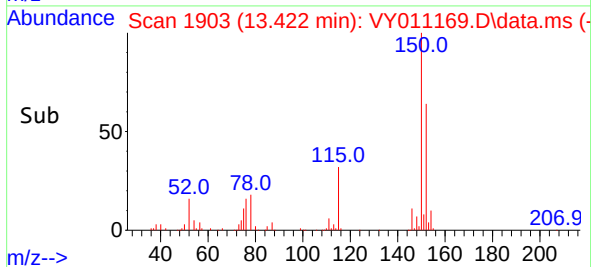
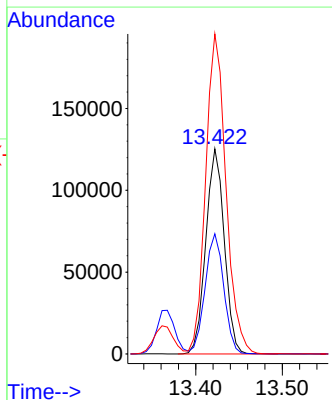
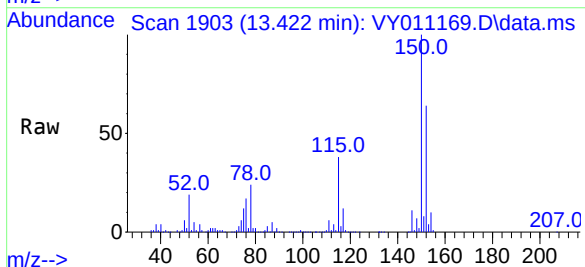
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:173 Resp: 83569  
Ion Ratio Lower Upper  
173 100  
175 49.1 24.6 74.0  
254 0.1 0.0 0.0#

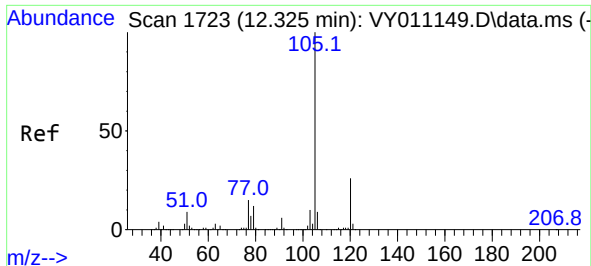


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion:152 Resp: 185996  
Ion Ratio Lower Upper  
152 100  
115 59.3 28.2 84.7  
150 171.3 0.0 347.6



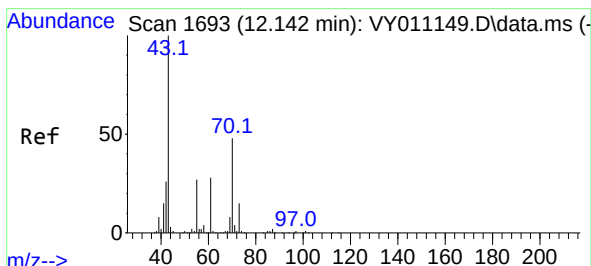
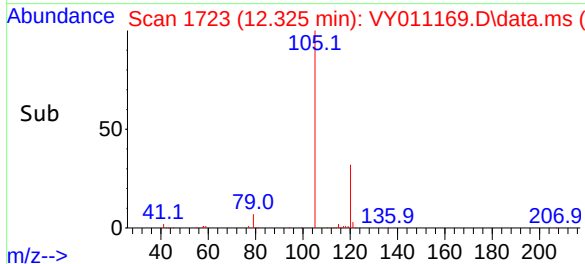
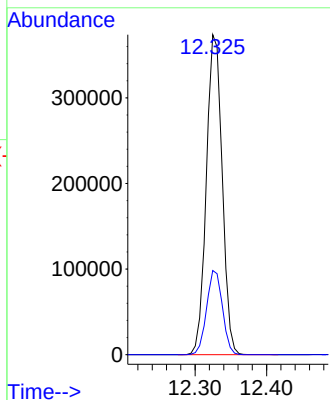
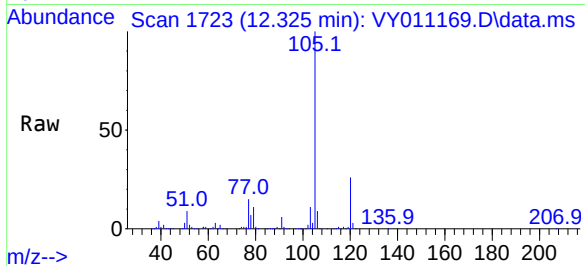




#73  
Isopropylbenzene  
Concen: 47.339 ug/l  
RT: 12.325 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

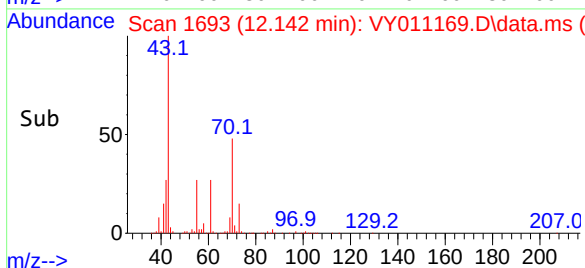
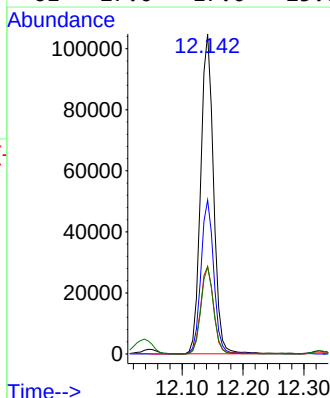
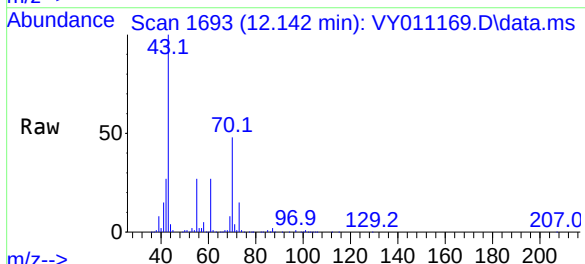
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

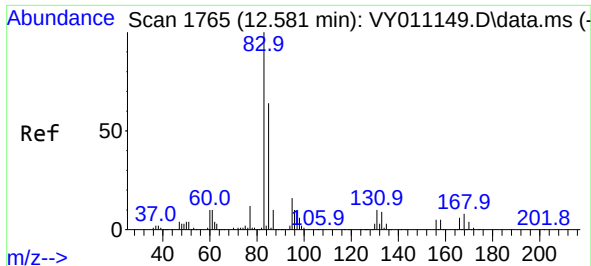
Tgt Ion:105 Resp: 574877  
Ion Ratio Lower Upper  
105 100  
120 26.2 13.4 40.2



#74  
N-ethyl acetate  
Concen: 51.458 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 43 Resp: 153397  
Ion Ratio Lower Upper  
43 100  
70 48.1 28.7 43.1#  
55 27.9 17.3 25.9#  
61 27.0 17.0 25.6#

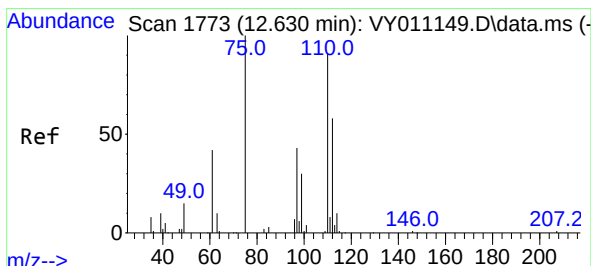
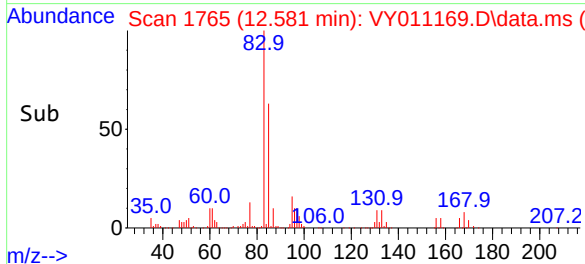
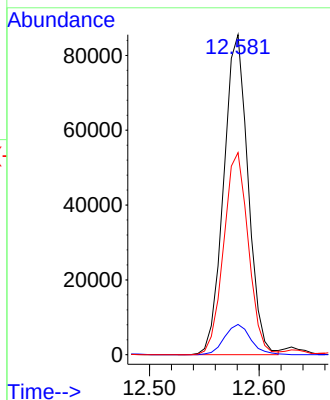
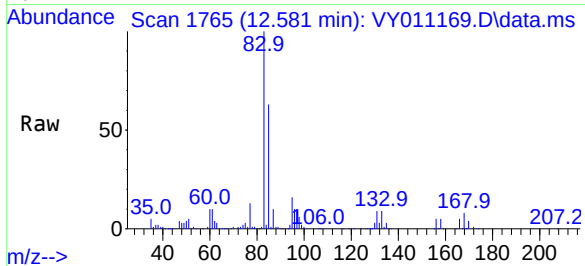




#75  
1,1,2,2-Tetrachloroethane  
Concen: 49.786 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

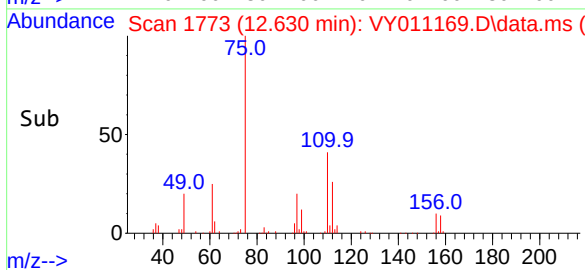
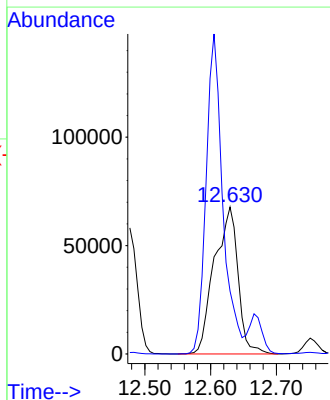
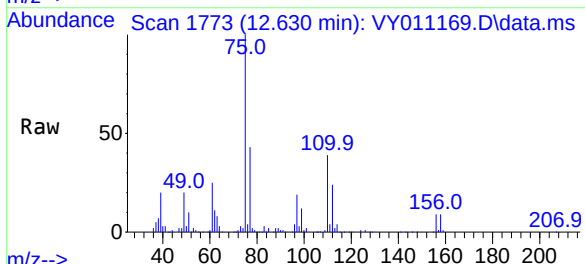
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

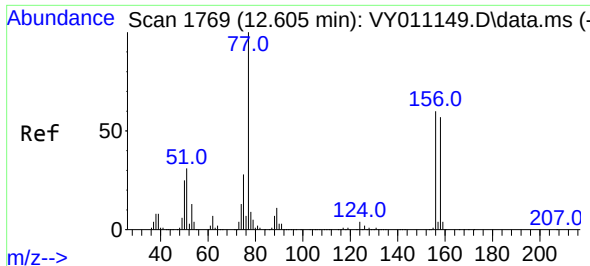
Tgt Ion: 83 Resp: 131905  
Ion Ratio Lower Upper  
83 100  
131 10.2 5.6 16.8  
85 64.0 32.3 96.8



#76  
1,2,3-Trichloropropane  
Concen: 87.788 ug/l  
RT: 12.630 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 75 Resp: 169760  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

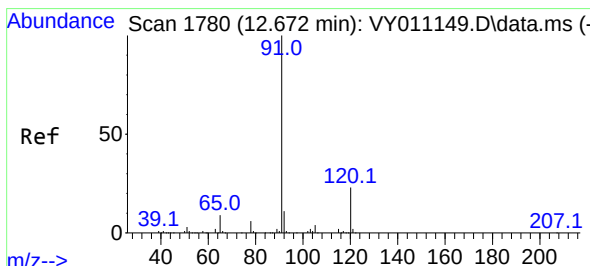
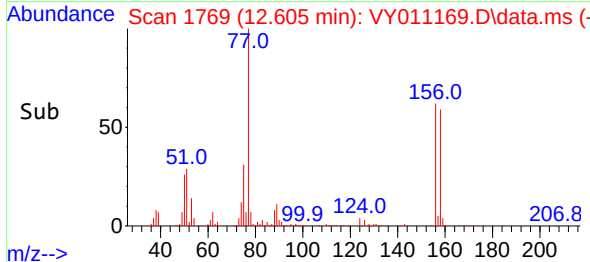
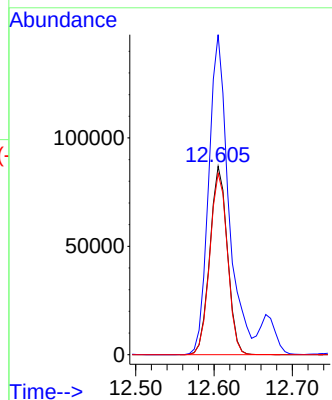
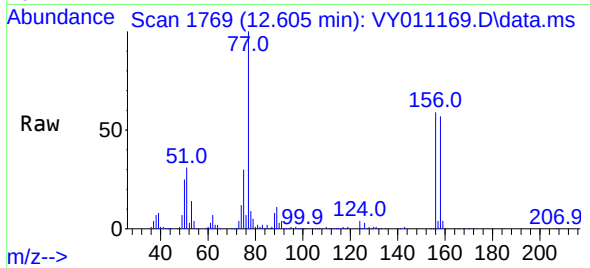




#77  
Bromobenzene  
Concen: 47.320 ug/l  
RT: 12.605 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

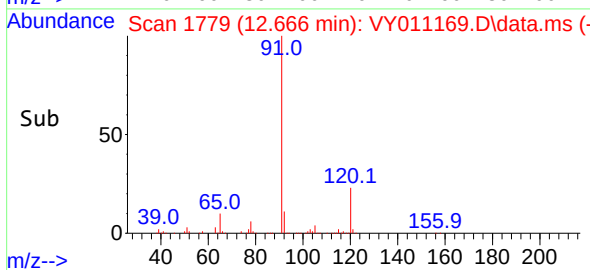
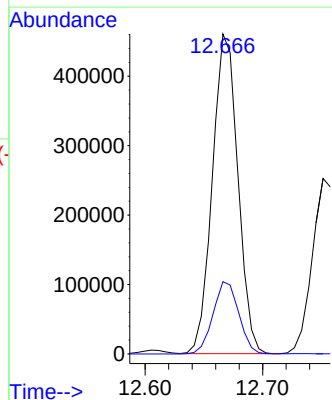
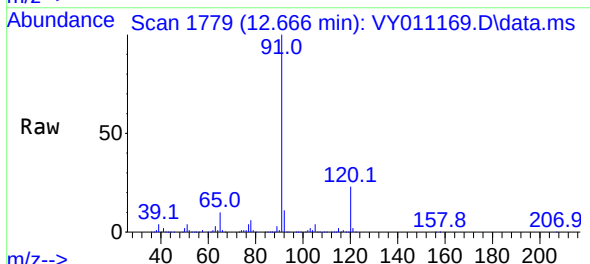
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

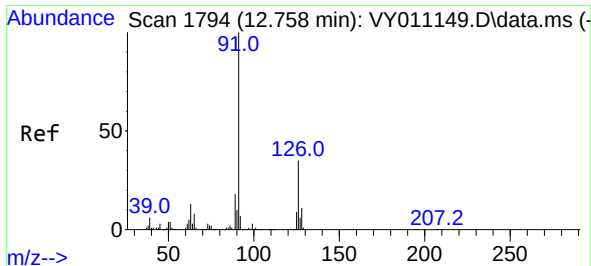
Tgt Ion:156 Resp: 135157  
Ion Ratio Lower Upper  
156 100  
77 192.5 95.5 286.4  
158 97.1 48.0 144.0



#78  
n-propylbenzene  
Concen: 46.968 ug/l  
RT: 12.666 min Scan# 1779  
Delta R.T. -0.006 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 91 Resp: 693626  
Ion Ratio Lower Upper  
91 100  
120 22.8 11.3 33.9

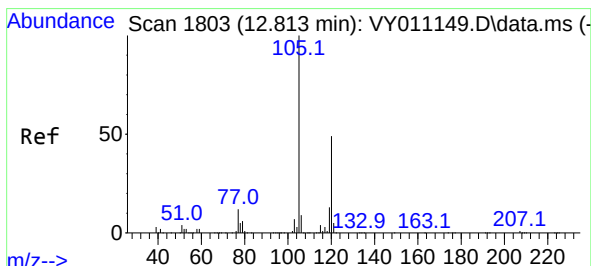
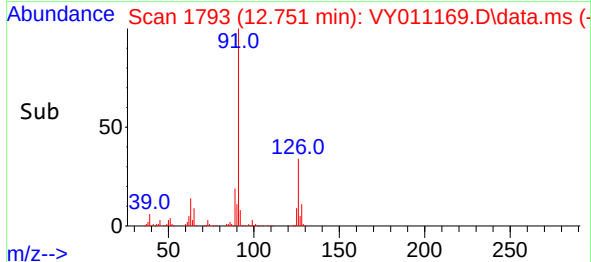
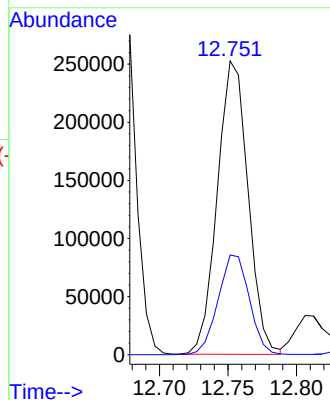
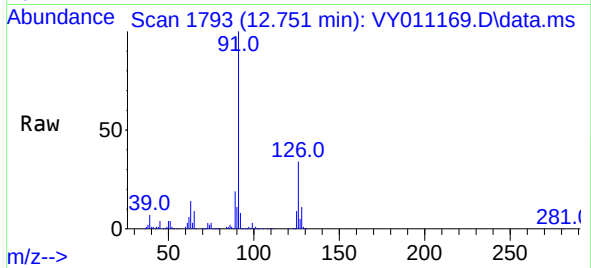




#79  
2-Chlorotoluene  
Concen: 46.718 ug/l  
RT: 12.751 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

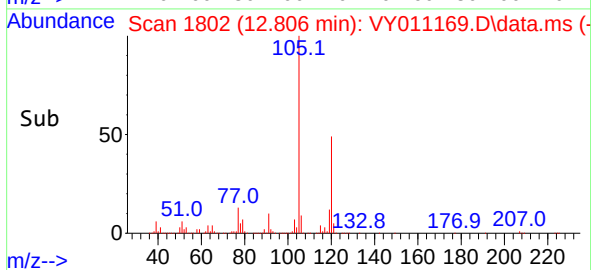
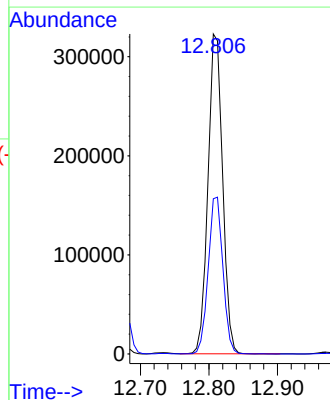
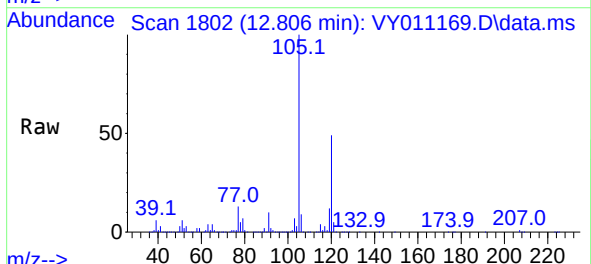
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

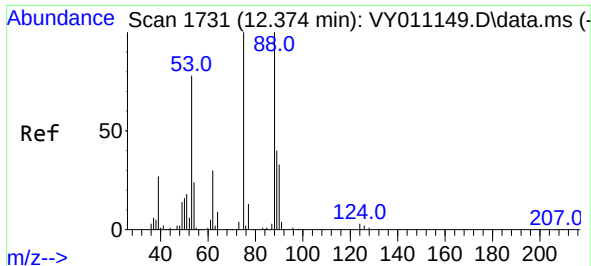
Tgt Ion: 91 Resp: 394607  
Ion Ratio Lower Upper  
91 100  
126 34.5 16.9 50.6



#80  
1,3,5-Trimethylbenzene  
Concen: 47.001 ug/l  
RT: 12.806 min Scan# 1802  
Delta R.T. -0.007 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion:105 Resp: 480903  
Ion Ratio Lower Upper  
105 100  
120 49.1 24.4 73.4

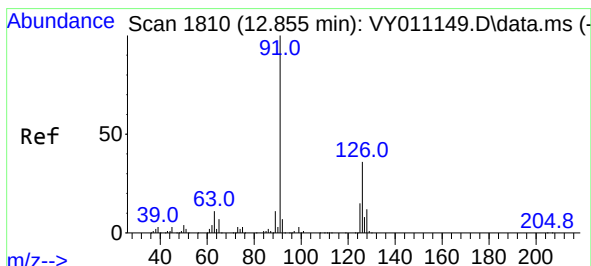
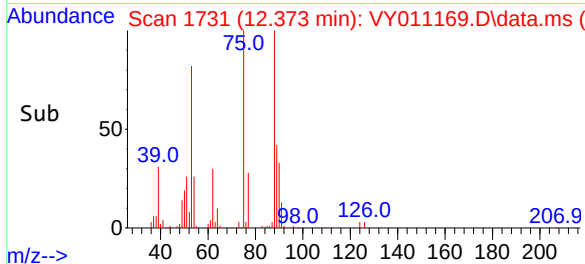
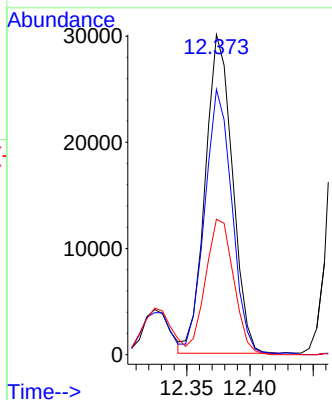
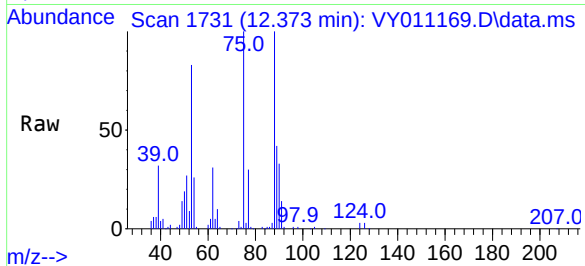




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.353 ug/l  
RT: 12.373 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

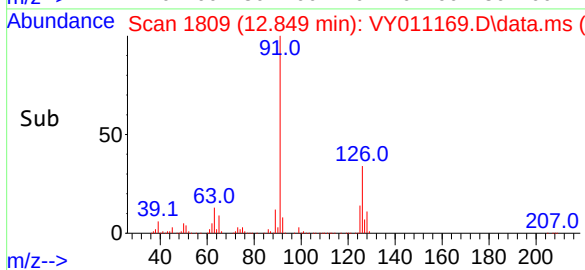
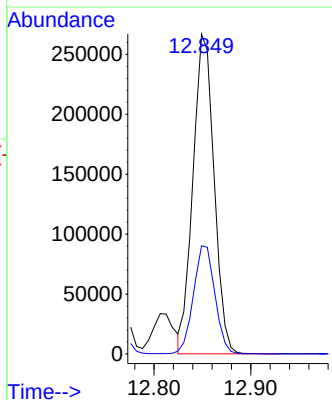
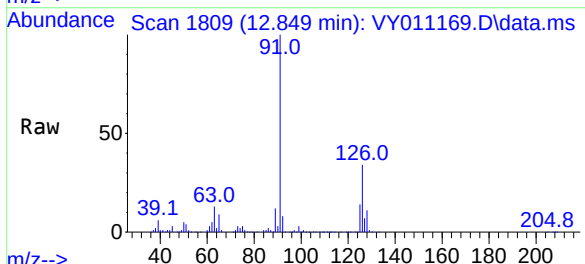
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

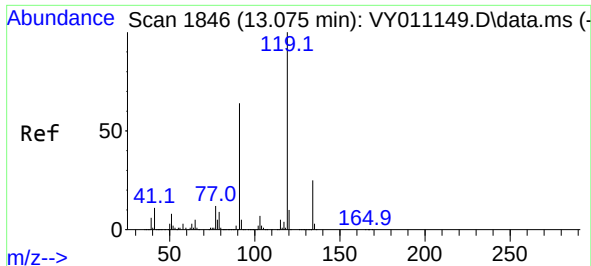
Tgt Ion: 75 Resp: 44939  
Ion Ratio Lower Upper  
75 100  
53 83.5 85.3 127.9#  
89 44.1 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 46.194 ug/l  
RT: 12.849 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 91 Resp: 404762  
Ion Ratio Lower Upper  
91 100  
126 34.6 17.0 51.0

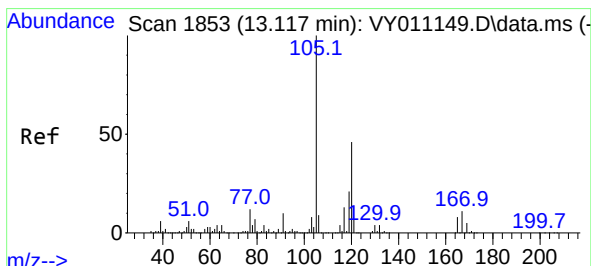
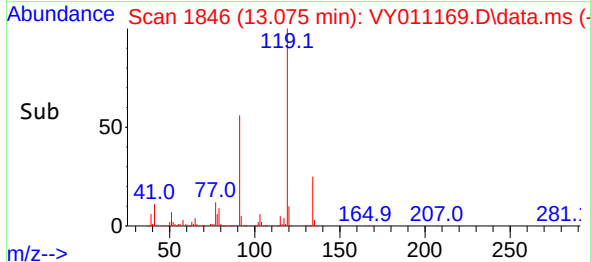
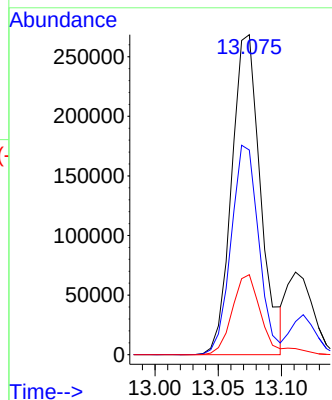
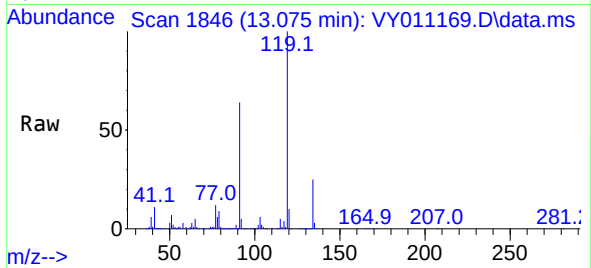




#83  
tert-Butylbenzene  
Concen: 47.941 ug/l  
RT: 13.075 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

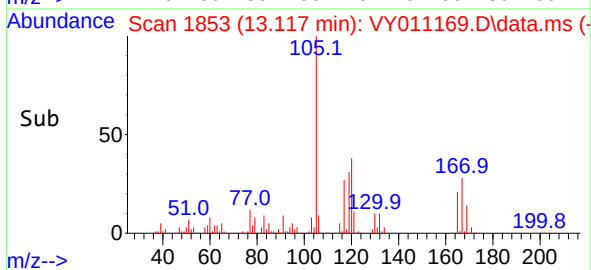
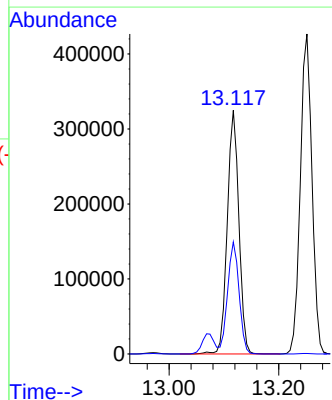
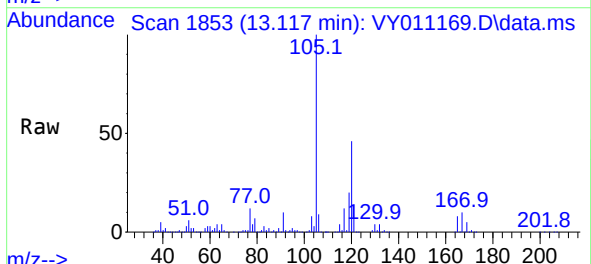
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

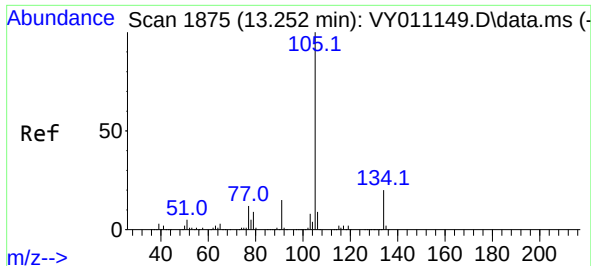
Tgt Ion:119 Resp: 428182  
Ion Ratio Lower Upper  
119 100  
91 62.5 34.8 104.4  
134 25.5 13.3 39.9



#84  
1,2,4-Trimethylbenzene  
Concen: 47.592 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion:105 Resp: 479326  
Ion Ratio Lower Upper  
105 100  
120 45.9 22.3 66.9

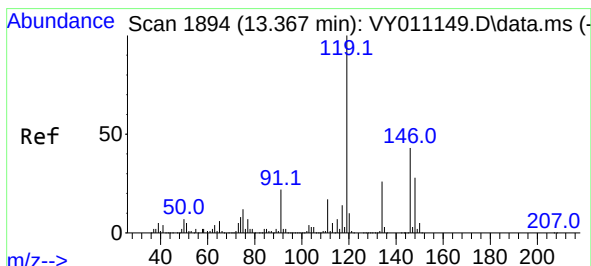
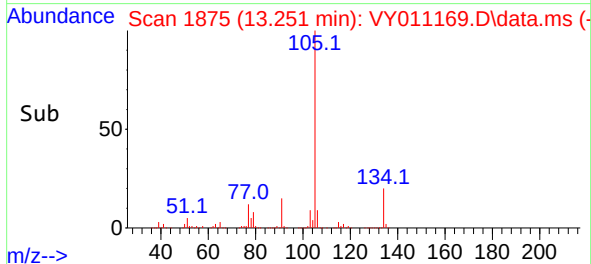
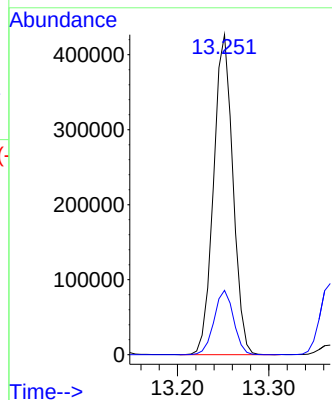
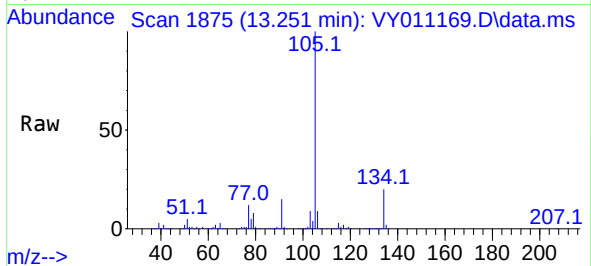




#85  
sec-Butylbenzene  
Concen: 46.854 ug/l  
RT: 13.251 min Scan# 1875  
Delta R.T. -0.001 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

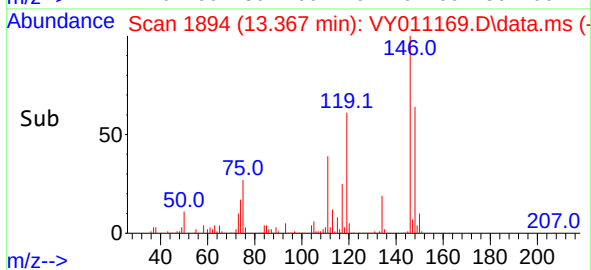
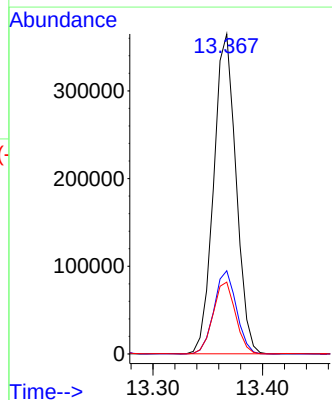
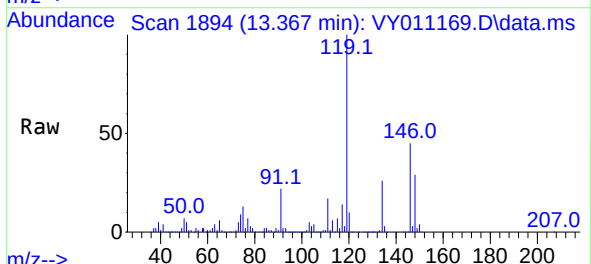
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

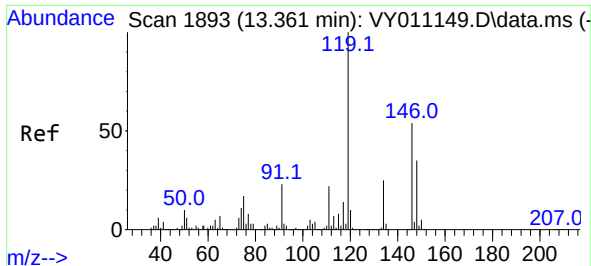
Tgt Ion:105 Resp: 625734  
Ion Ratio Lower Upper  
105 100  
134 20.3 10.2 30.4



#86  
p-Isopropyltoluene  
Concen: 47.078 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion:119 Resp: 516505  
Ion Ratio Lower Upper  
119 100  
134 26.0 13.2 39.5  
91 22.5 12.4 37.2

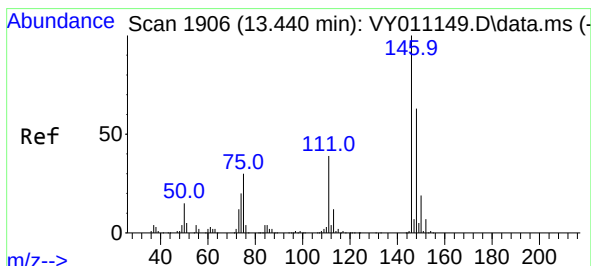
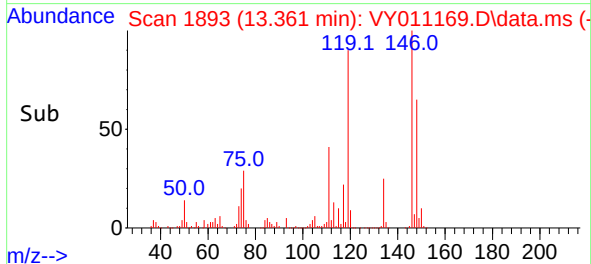
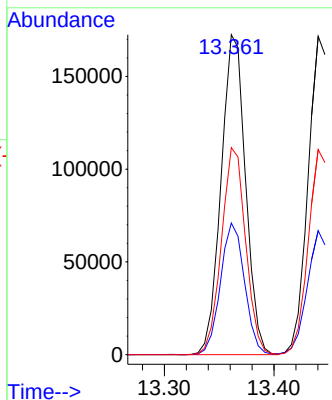
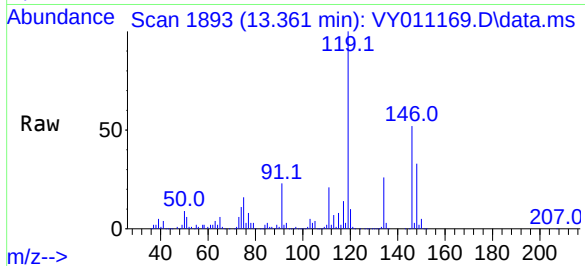




#87  
1,3-Dichlorobenzene  
Concen: 46.065 ug/l  
RT: 13.361 min Scan# 1893  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

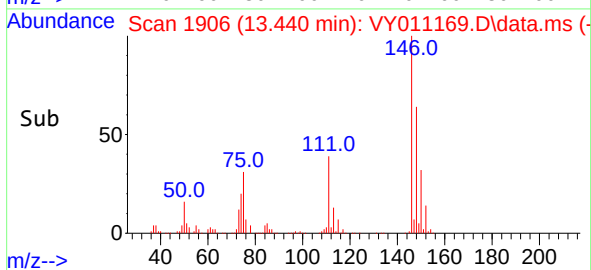
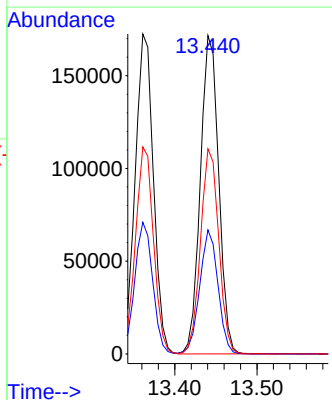
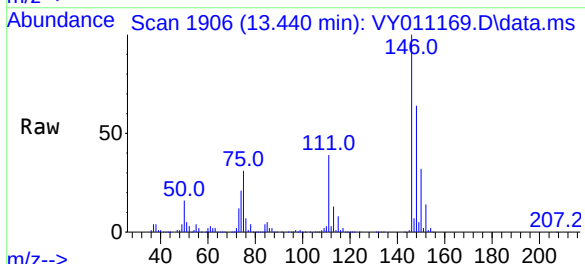
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:146 Resp: 267106  
Ion Ratio Lower Upper  
146 100  
111 40.6 19.5 58.5  
148 64.1 31.6 95.0

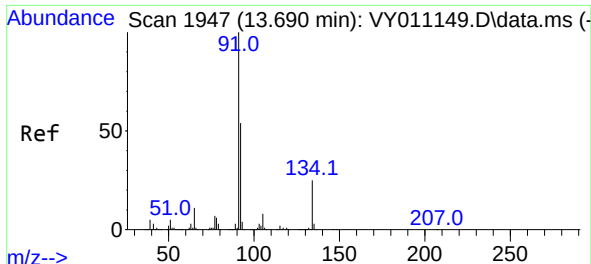


#88  
1,4-Dichlorobenzene  
Concen: 45.848 ug/l  
RT: 13.440 min Scan# 1906  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion:146 Resp: 265959  
Ion Ratio Lower Upper  
146 100  
111 38.7 19.3 57.8  
148 64.1 32.6 97.8



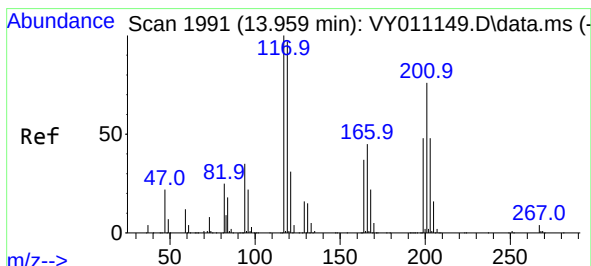
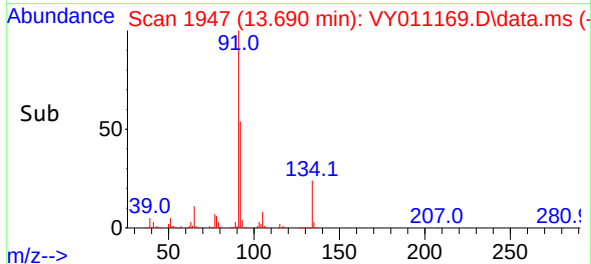
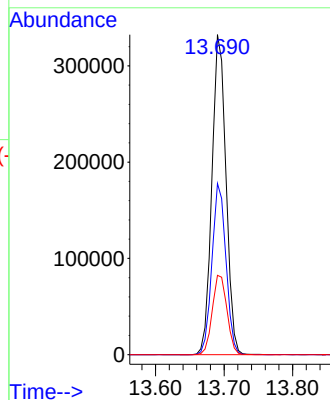
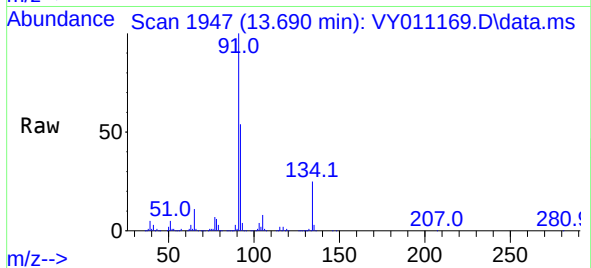




#89  
n-Butylbenzene  
Concen: 46.336 ug/l  
RT: 13.690 min Scan# 1947  
Delta R.T. 0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

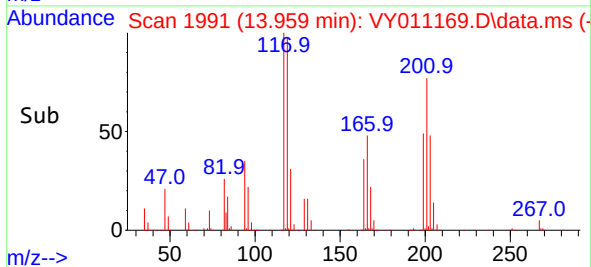
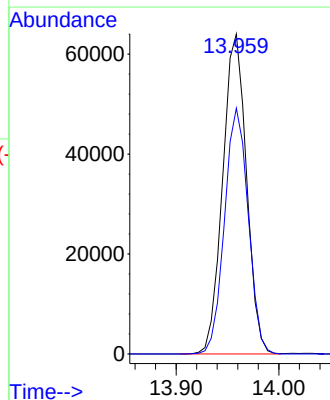
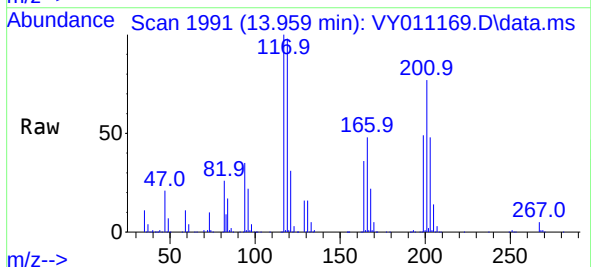
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

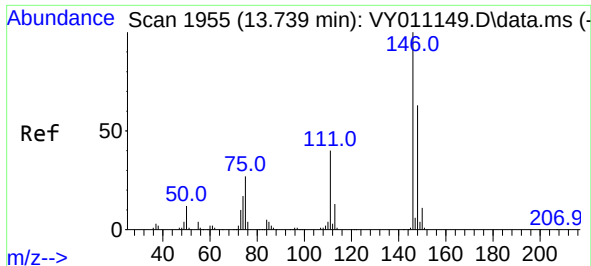
Tgt Ion: 91 Resp: 474846  
Ion Ratio Lower Upper  
91 100  
92 53.2 26.3 78.9  
134 25.8 13.0 38.9



#90  
Hexachloroethane  
Concen: 44.848 ug/l  
RT: 13.959 min Scan# 1991  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Tgt Ion: 117 Resp: 102788  
Ion Ratio Lower Upper  
117 100  
201 76.5 43.0 128.8





#91

1,2-Dichlorobenzene

Concen: 47.180 ug/l

RT: 13.733 min Scan# 1955

Delta R.T. -0.006 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

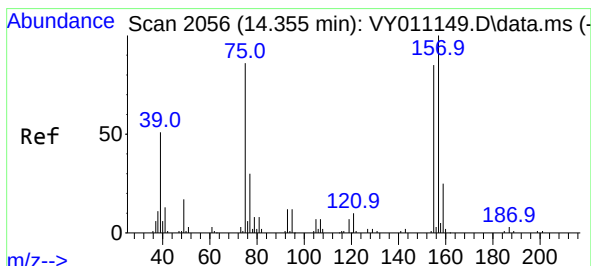
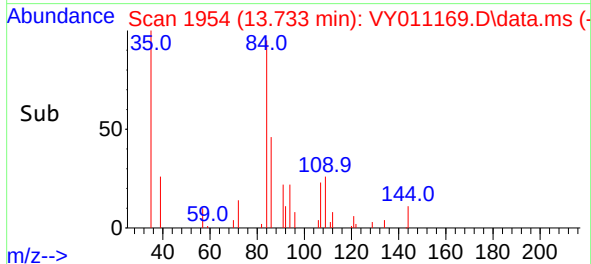
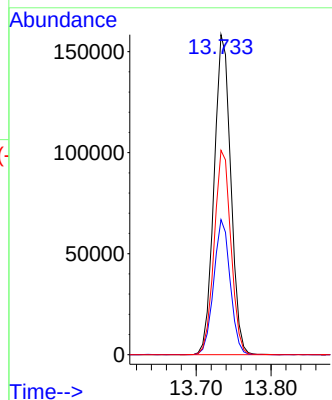
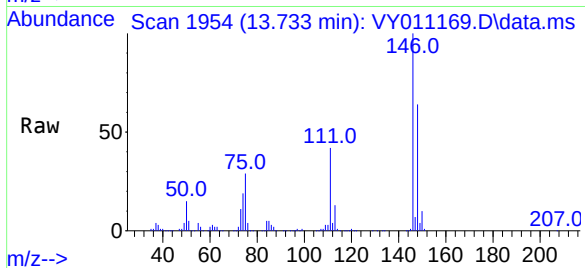
Tgt Ion:146 Resp: 246096

Ion Ratio Lower Upper

146 100

111 41.6 20.3 60.9

148 64.0 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.383 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

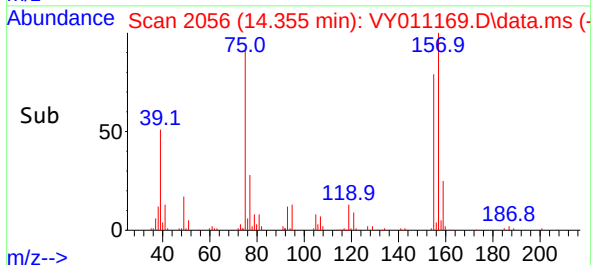
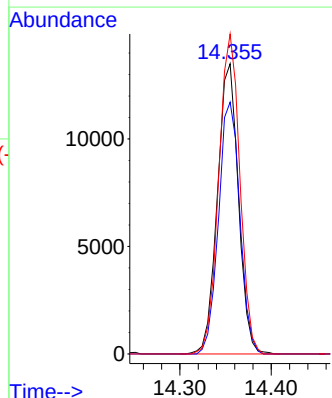
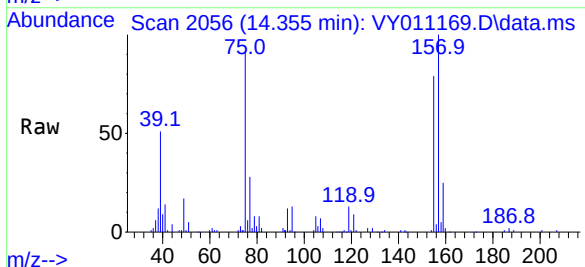
Tgt Ion: 75 Resp: 21489

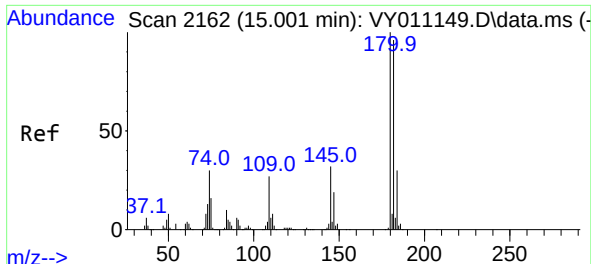
Ion Ratio Lower Upper

75 100

155 88.3 38.0 113.9

157 110.9 47.8 143.3





#93

1,2,4-Trichlorobenzene

Concen: 47.654 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. 0.000 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

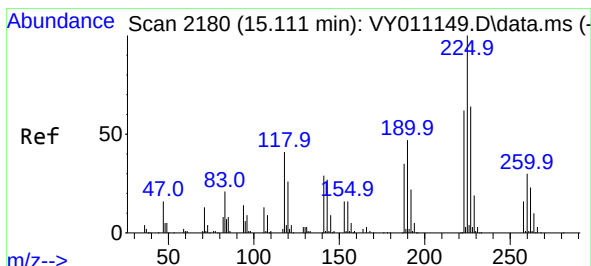
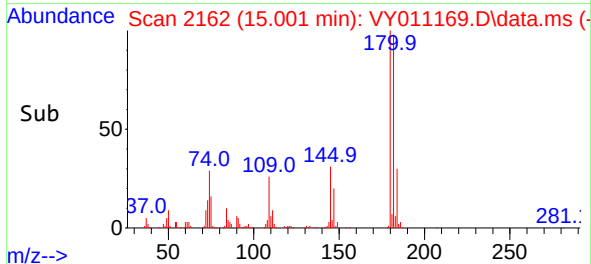
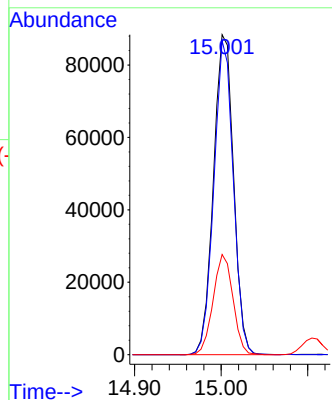
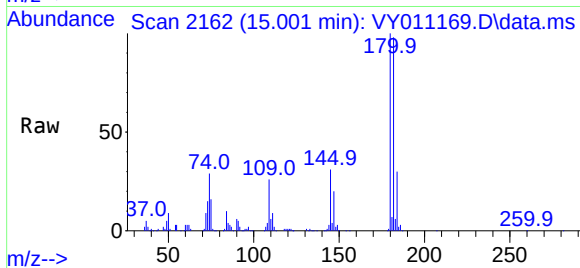
Tgt Ion:180 Resp: 142249

Ion Ratio Lower Upper

180 100

182 94.8 47.3 141.9

145 31.0 14.6 43.8



#94

Hexachlorobutadiene

Concen: 44.718 ug/l

RT: 15.105 min Scan# 2179

Delta R.T. -0.006 min

Lab File: VY011169.D

Acq: 28 Oct 2022 19:57

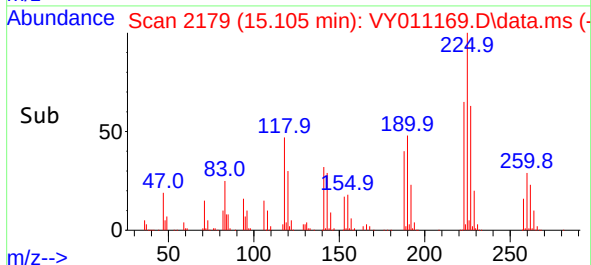
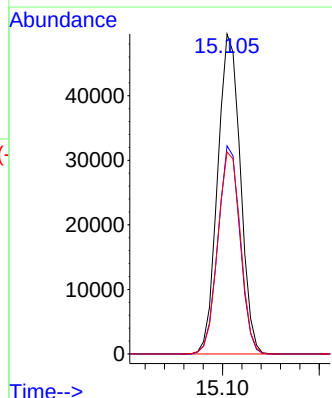
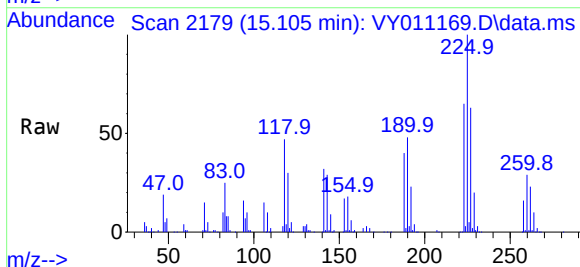
Tgt Ion:225 Resp: 80612

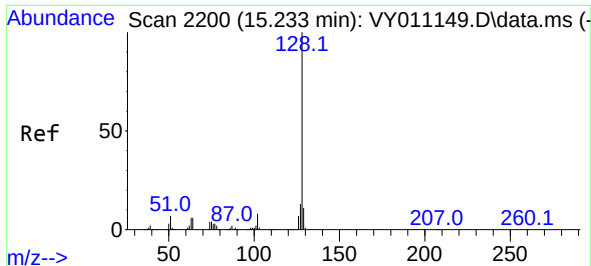
Ion Ratio Lower Upper

225 100

223 63.2 30.8 92.3

227 63.4 31.6 94.7

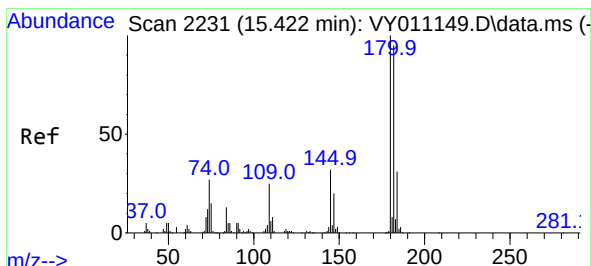
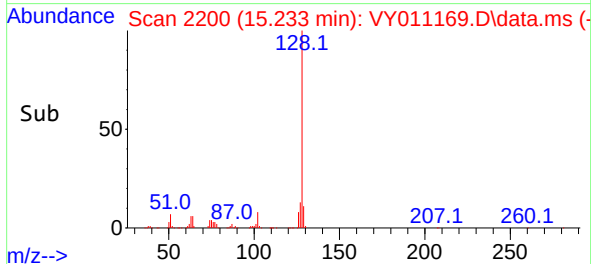
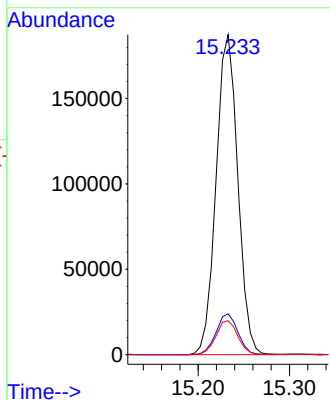
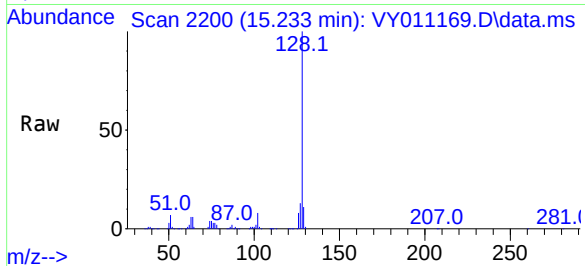




#95  
Naphthalene  
Concen: 46.614 ug/l  
RT: 15.233 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 309281 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.9  | 11.0  | 16.4   |
| 129      | 10.8  | 8.4   | 12.6   |



#96  
1,2,3-Trichlorobenzene  
Concen: 48.386 ug/l  
RT: 15.422 min Scan# 2231  
Delta R.T. -0.000 min  
Lab File: VY011169.D  
Acq: 28 Oct 2022 19:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 125731 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.1  | 47.3  | 141.9  |
| 145      | 32.3  | 15.3  | 45.9   |

