

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051822\  
 Data File : VD073132.D  
 Acq On : 19 May 2022 08:31  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 19 08:41:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 04:58:34 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 154241   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 284178   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 306150   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 163665   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 139046   | 72.086   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 144.180% |      |
| 35) Dibromofluoromethane    | 7.908  | 113   | 122072   | 61.181   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 122.360% |      |
| 50) Toluene-d8              | 10.332 | 98    | 423978   | 58.574   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 117.140% |      |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 159708   | 60.918   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 121.840% |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.991 | 85  | 68769   | 35.655  | ug/l   | 97  |
| 3) Chloromethane             | 2.209 | 50  | 89990   | 45.259  | ug/l   | 93  |
| 4) Vinyl Chloride            | 2.350 | 62  | 76056   | 41.591  | ug/l   | 99  |
| 5) Bromomethane              | 2.762 | 94  | 64171   | 49.407  | ug/l   | 92  |
| 6) Chloroethane              | 2.920 | 64  | 52883   | 46.439  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.273 | 101 | 132170  | 39.496  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.703 | 74  | 58948   | 64.376  | ug/l   | 90  |
| 9) 1,1,2-Trichlorotrifluo... | 4.097 | 101 | 72486   | 36.578  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.303 | 142 | 89287   | 39.681  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 5.203 | 59  | 69831   | 234.053 | ug/l # | 74  |
| 12) 1,1-Dichloroethene       | 4.061 | 96  | 77207   | 43.084  | ug/l   | 89  |
| 13) Acrolein                 | 3.920 | 56  | 51604   | 281.611 | ug/l   | 97  |
| 14) Allyl chloride           | 4.714 | 41  | 139018  | 48.965  | ug/l   | 89  |
| 15) Acrylonitrile            | 5.414 | 53  | 182268  | 415.314 | ug/l   | 98  |
| 16) Acetone                  | 4.156 | 43  | 131362  | 376.328 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.408 | 76  | 263149  | 43.845  | ug/l   | 97  |
| 18) Methyl Acetate           | 4.714 | 43  | 83127   | 78.021  | ug/l   | 94  |
| 19) Methyl tert-butyl Ether  | 5.479 | 73  | 285915  | 68.224  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.956 | 84  | 155973  | 61.565  | ug/l   | 86  |
| 21) trans-1,2-Dichloroethene | 5.473 | 96  | 103421  | 48.518  | ug/l   | 88  |
| 22) Diisopropyl ether        | 6.361 | 45  | 367114  | 60.243  | ug/l   | 92  |
| 23) Vinyl Acetate            | 6.303 | 43  | 1196315 | 363.389 | ug/l # | 94  |
| 24) 1,1-Dichloroethane       | 6.261 | 63  | 196849  | 51.922  | ug/l   | 97  |
| 25) 2-Butanone               | 7.208 | 43  | 217436  | 411.366 | ug/l   | 95  |
| 26) 2,2-Dichloropropane      | 7.197 | 77  | 124354  | 38.743  | ug/l   | 94  |
| 27) cis-1,2-Dichloroethene   | 7.202 | 96  | 127335  | 54.170  | ug/l   | 89  |
| 28) Bromochloromethane       | 7.538 | 49  | 88026   | 67.781  | ug/l # | 83  |
| 29) Tetrahydrofuran          | 7.555 | 42  | 145444  | 427.626 | ug/l   | 91  |
| 30) Chloroform               | 7.702 | 83  | 220328  | 54.315  | ug/l   | 100 |
| 31) Cyclohexane              | 7.985 | 56  | 121839  | 35.067  | ug/l   | 95  |
| 32) 1,1,1-Trichloroethane    | 7.897 | 97  | 158697  | 45.664  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 8.108 | 75  | 127385  | 39.183  | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.291 | 43  | 100618  | 73.694  | ug/l # | 93  |
| 38) Carbon Tetrachloride     | 8.091 | 117 | 130735  | 39.305  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.349 | 83  | 119785  | 31.598  | ug/l   | 99  |
| 40) Benzene                  | 8.344 | 78  | 440002  | 47.333  | ug/l   | 98  |

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 Acq On : 19 May 2022 08:31  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 19 08:41:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 04:58:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.520  | 41   | 50020    | 64.969   | ug/l # | 81       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 156678   | 57.905   | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 179299   | 70.633   | ug/l   | 97       |
| 44) Trichloroethene           | 9.108  | 130  | 106121   | 42.205   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 121463   | 50.315   | ug/l   | 96       |
| 46) Dibromomethane            | 9.467  | 93   | 82739    | 61.983   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.655  | 83   | 180967   | 53.377   | ug/l # | 98       |
| 48) Methyl methacrylate       | 9.449  | 41   | 87861    | 69.779   | ug/l # | 86       |
| 49) 1,4-Dioxane               | 9.449  | 88   | 21596    | 1553.950 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 518483   | 391.389  | ug/l   | 94       |
| 52) Toluene                   | 10.396 | 92   | 274062   | 46.437   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 173745   | 56.190   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 191225   | 52.453   | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 114578   | 62.886   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.649 | 69   | 138829   | 67.374   | ug/l   | 86       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 192486   | 62.088   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 390378   | 346.079  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.973 | 43   | 352456   | 402.758  | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.132 | 129  | 137543   | 60.762   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 113843   | 64.933   | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.867 | 164  | 81131    | 36.171   | ug/l   | 94       |
| 65) Chlorobenzene             | 11.661 | 112  | 300299   | 43.260   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 125480   | 47.320   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.738 | 91   | 477336   | 39.493   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.843 | 106  | 386069   | 82.416   | ug/l   | 99       |
| 69) o-Xylene                  | 12.173 | 106  | 181449   | 42.003   | ug/l   | 99       |
| 70) Styrene                   | 12.185 | 104  | 351853   | 46.632   | ug/l   | 96       |
| 71) Bromoform                 | 12.349 | 173  | 85703    | 61.386   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.467 | 105  | 438985   | 35.386   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.279 | 43   | 163859   | 56.519   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 140340   | 57.382   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 168456   | 91.051   | ug/l # | 100      |
| 77) Bromobenzene              | 12.749 | 156  | 130455   | 44.073   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.808 | 91   | 554736   | 35.608   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 350744   | 38.647   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 391296   | 37.024   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 40682    | 52.724   | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.990 | 91   | 381913   | 39.761   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 298538   | 33.349   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 407959   | 38.799   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.390 | 105  | 459732   | 33.833   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 385442   | 34.873   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 246470   | 40.513   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 246544   | 41.009   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.826 | 91   | 353241   | 32.863   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 84022    | 36.585   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 236383   | 44.798   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 24624    | 64.774   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 123676   | 41.079   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 53566    | 31.875   | ug/l   | 98       |
| 95) Naphthalene               | 15.384 | 128  | 304505   | 47.946   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 120283   | 45.000   | ug/l   | 99       |

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Acq On : 19 May 2022 08:31  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 49 Sample Multiplier: 1

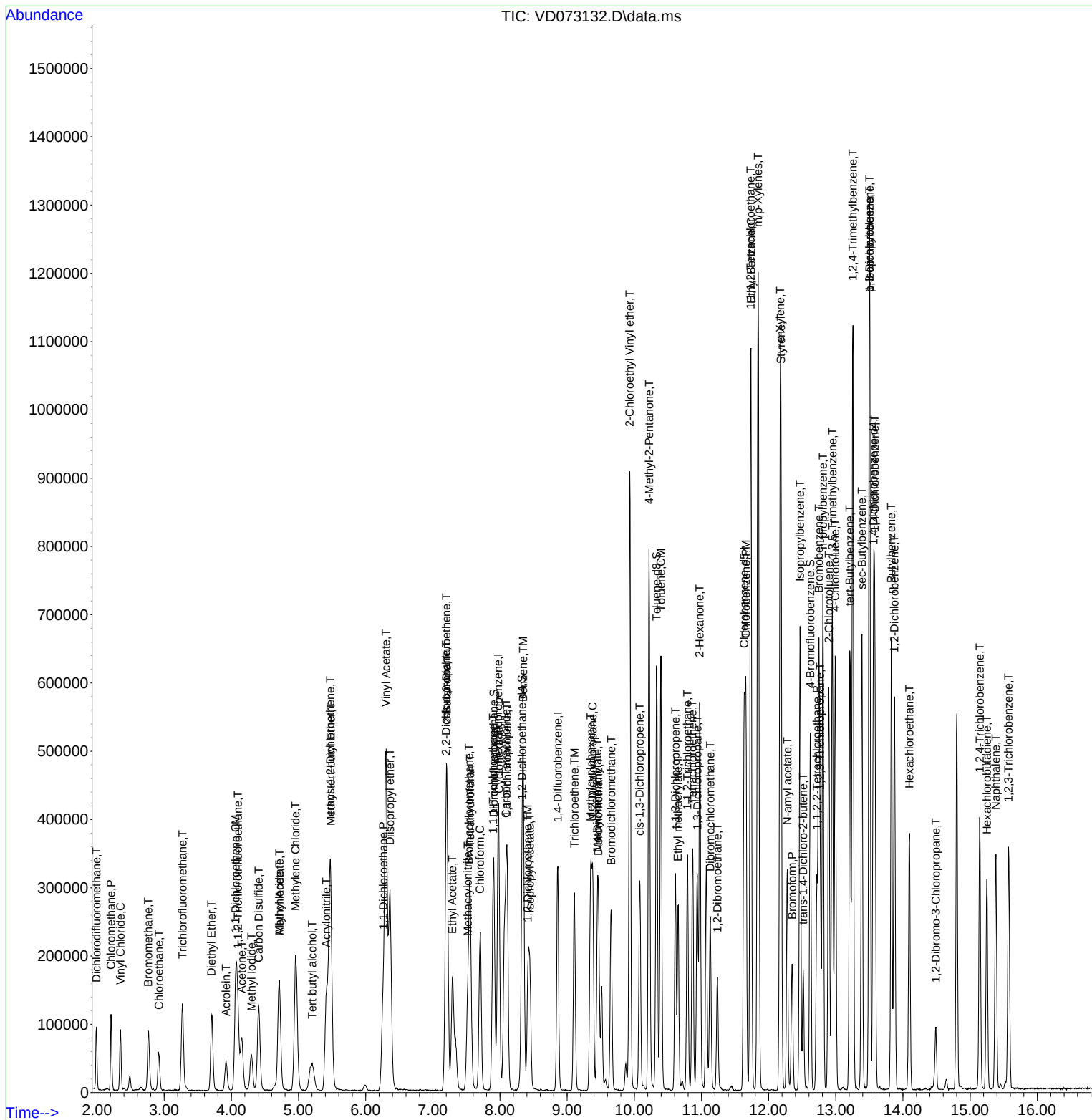
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

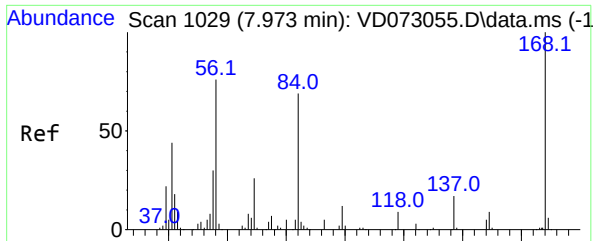
Quant Time: May 19 08:41:20 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 18 04:58:34 2022  
Response via : Initial Calibration

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

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

Quant Time: May 19 08:41:20 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 18 04:58:34 2022  
Response via : Initial Calibration

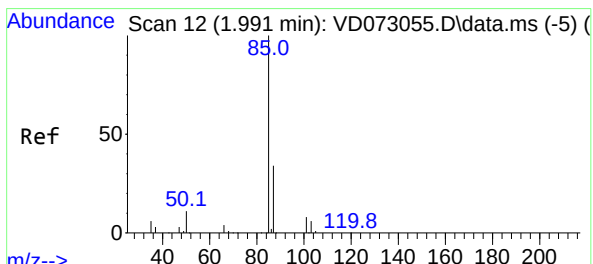
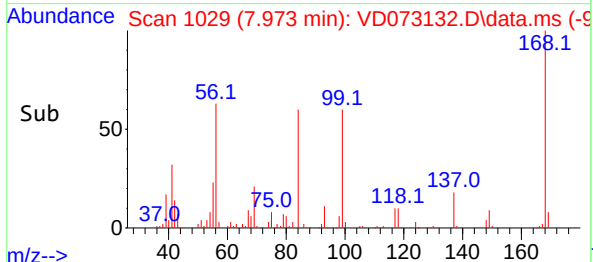
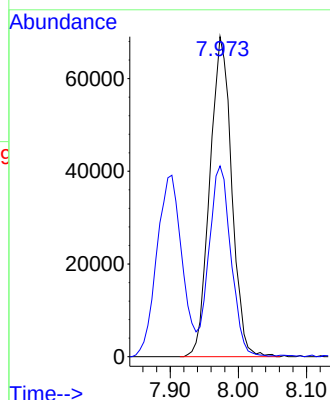
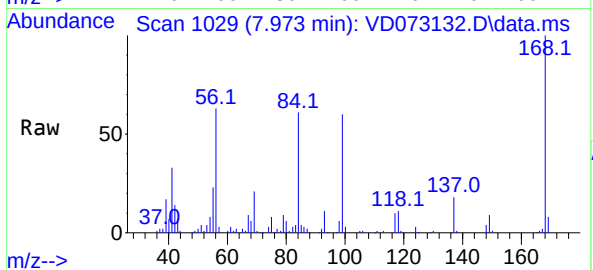




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

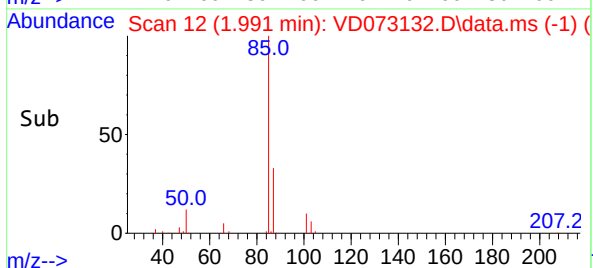
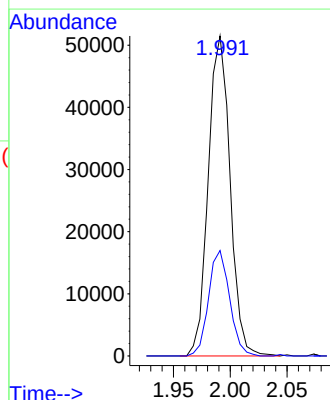
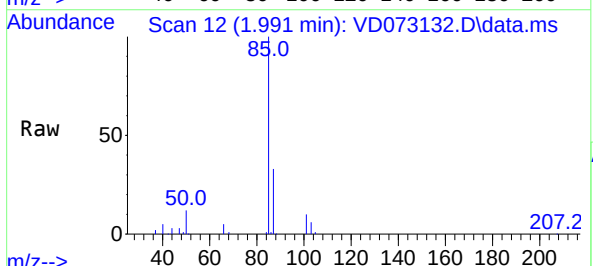
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:168 Resp: 154241  
Ion Ratio Lower Upper  
168 100  
99 59.2 49.8 74.6

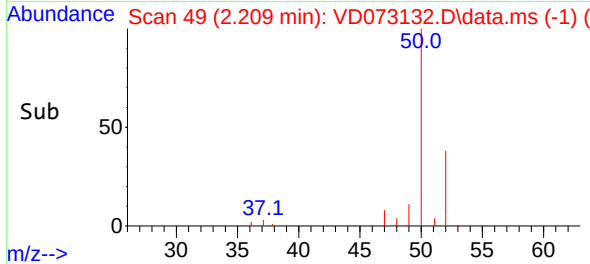
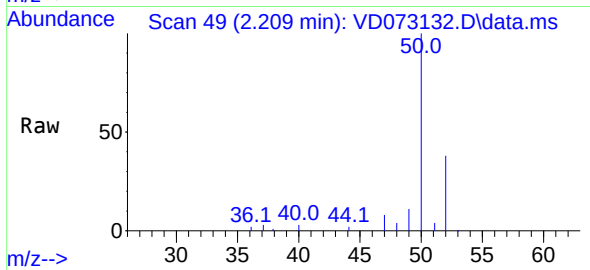
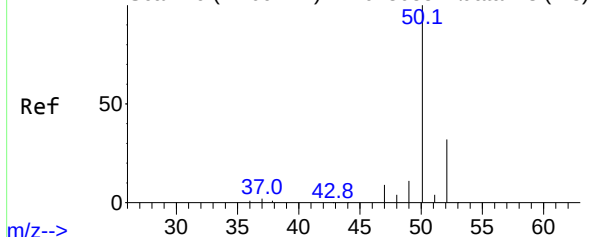


#2  
Dichlorodifluoromethane  
Concen: 35.655 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 85 Resp: 68769  
Ion Ratio Lower Upper  
85 100  
87 33.0 15.7 47.0



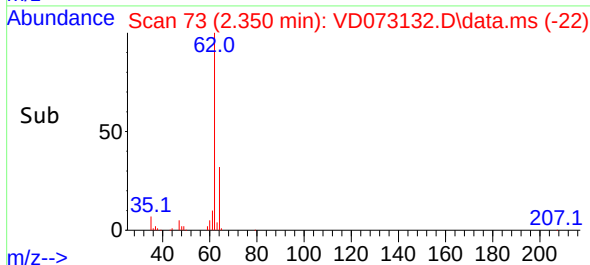
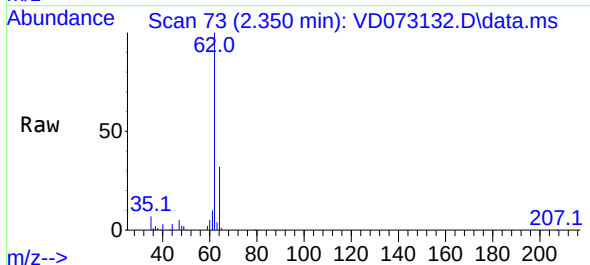
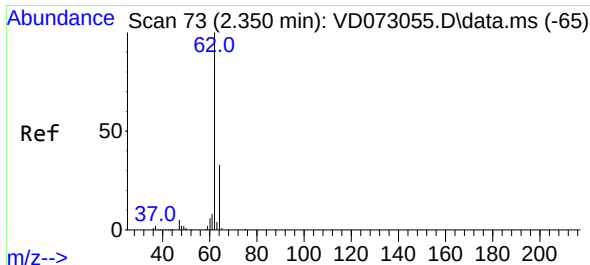
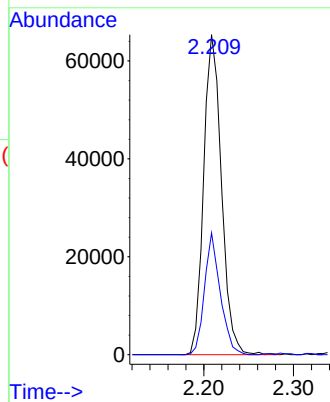
Abundance Scan 49 (2.209 min): VD073055.D\data.ms (-43)



#3  
Chloromethane  
Concen: 45.259 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

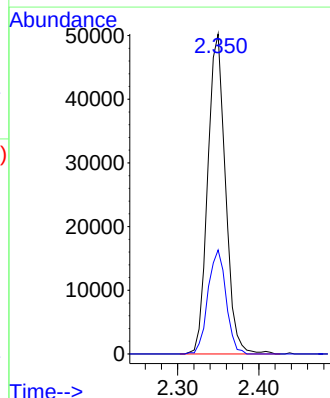
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

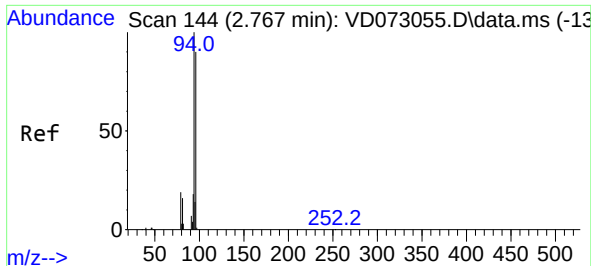
Tgt Ion: 50 Resp: 89990  
Ion Ratio Lower Upper  
50 100  
52 38.0 27.4 41.0



#4  
Vinyl Chloride  
Concen: 41.591 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 62 Resp: 76056  
Ion Ratio Lower Upper  
62 100  
64 32.5 25.4 38.0

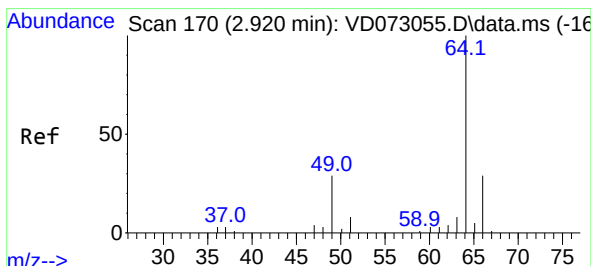
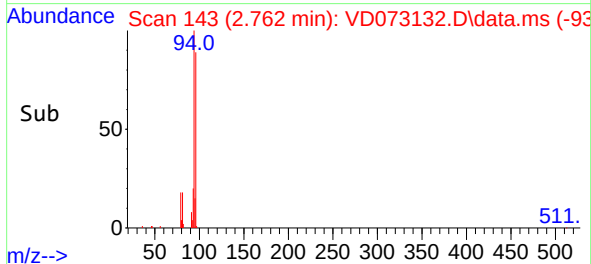
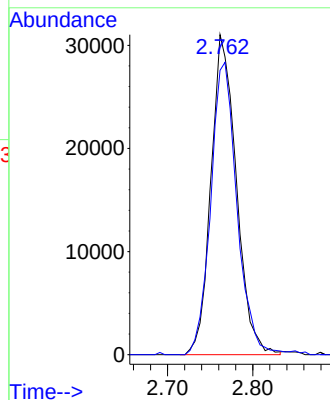
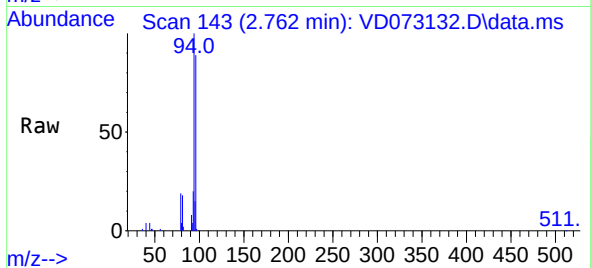




#5  
Bromomethane  
Concen: 49.407 ug/l  
RT: 2.762 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

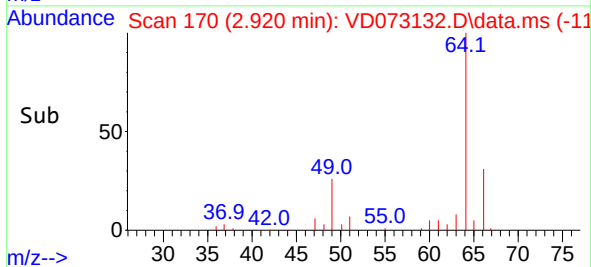
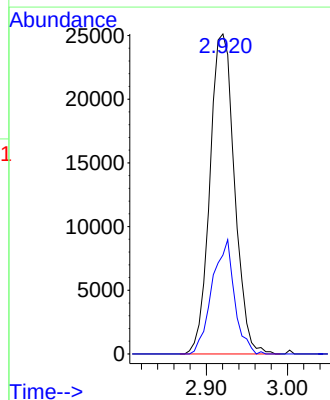
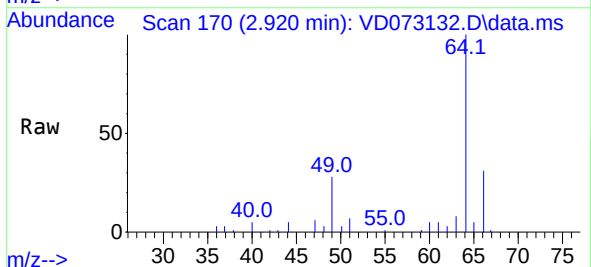
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

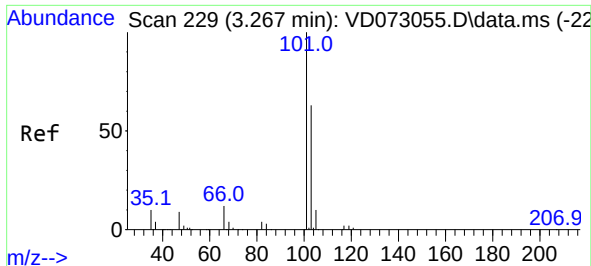
Tgt Ion: 94 Resp: 64171  
Ion Ratio Lower Upper  
94 100  
96 88.9 77.6 116.4



#6  
Chloroethane  
Concen: 46.439 ug/l  
RT: 2.920 min Scan# 170  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 64 Resp: 52883  
Ion Ratio Lower Upper  
64 100  
66 30.9 25.9 38.9

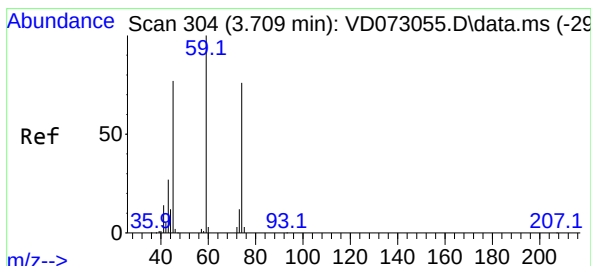
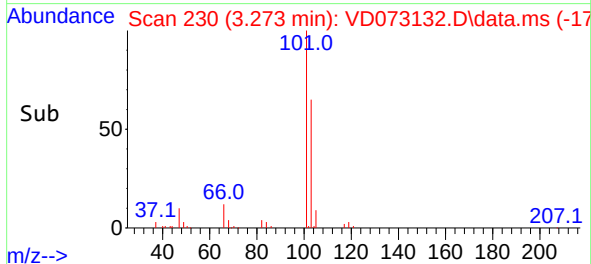
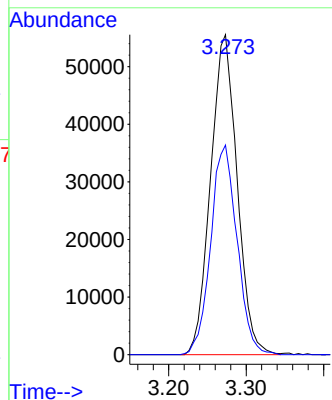
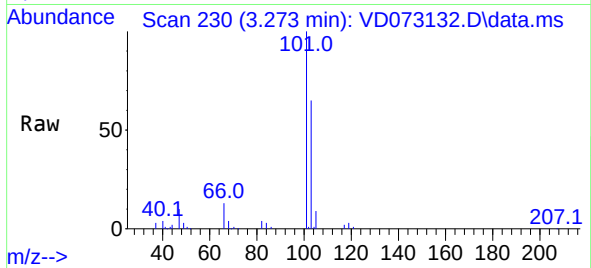




#7  
Trichlorofluoromethane  
Concen: 39.496 ug/l  
RT: 3.273 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

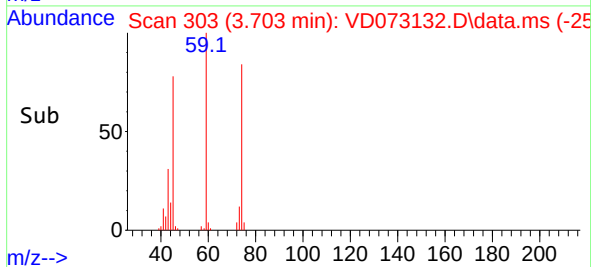
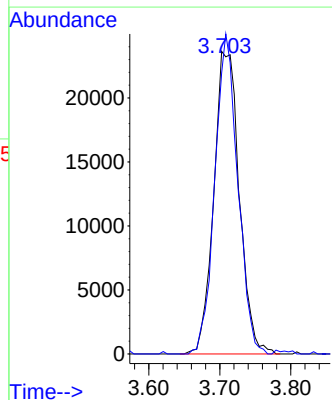
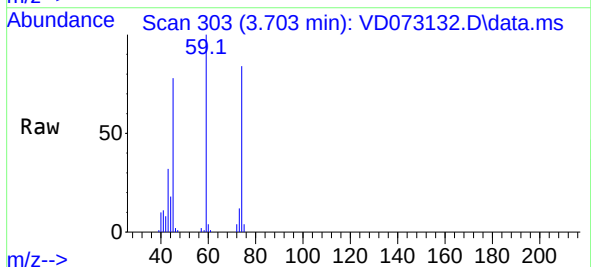
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 132170  
Ion Ratio Lower Upper  
101 100  
103 65.5 50.1 75.1

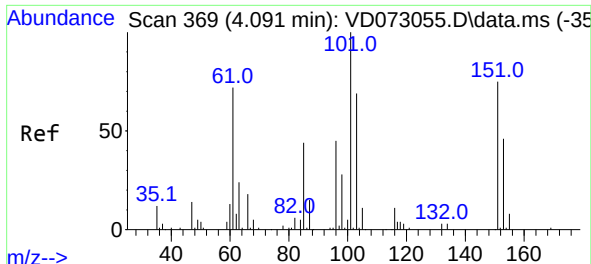


#8  
Diethyl Ether  
Concen: 64.376 ug/l  
RT: 3.703 min Scan# 303  
Delta R.T. -0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 74 Resp: 58948  
Ion Ratio Lower Upper  
74 100  
45 95.1 52.6 157.8





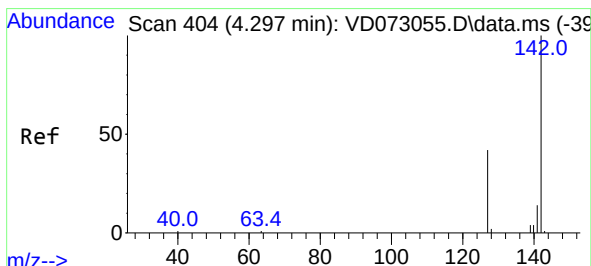
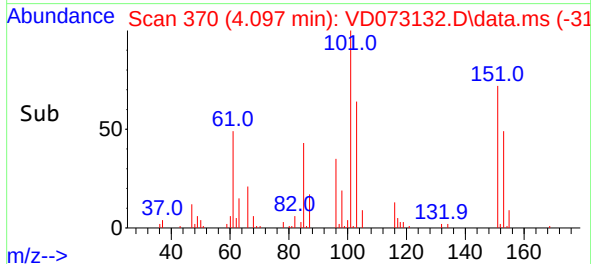
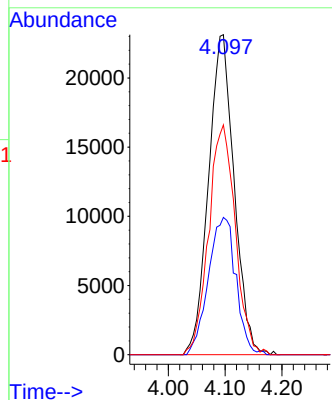
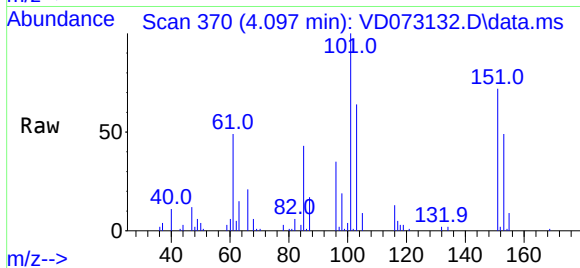


#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 36.578 ug/l  
RT: 4.097 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 72486

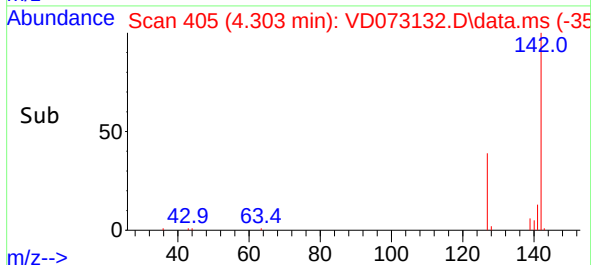
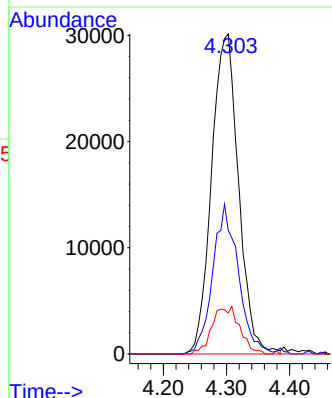
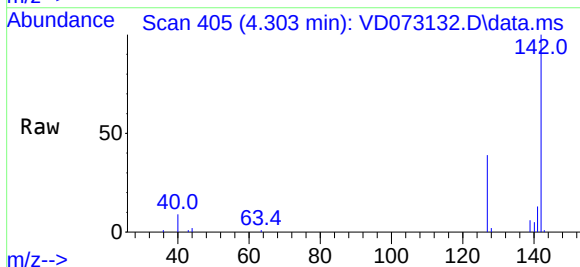
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 101 | 100   |       |       |
| 85  | 46.1  | 36.4  | 54.6  |
| 151 | 74.5  | 57.3  | 85.9  |

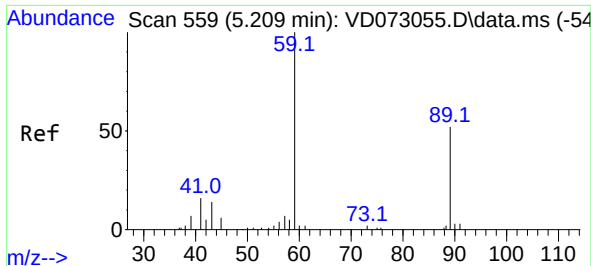


#10  
Methyl Iodide  
Concen: 39.681 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. 0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion:142 Resp: 89287

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 127 | 44.3  | 37.3  | 55.9  |
| 141 | 15.1  | 11.7  | 17.5  |

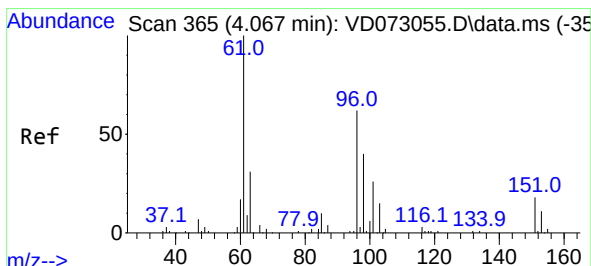
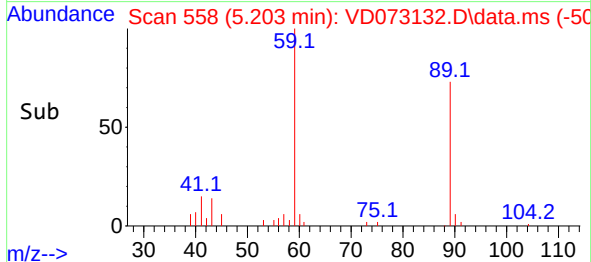
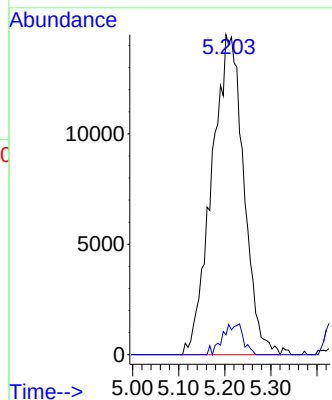
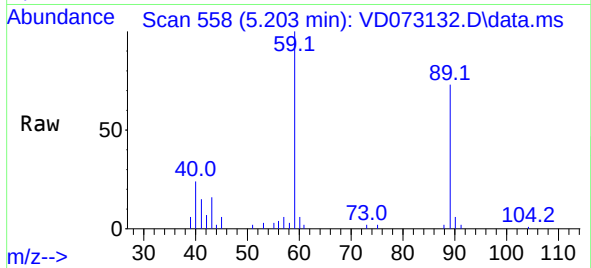




#11  
Tert butyl alcohol  
Concen: 234.053 ug/l  
RT: 5.203 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

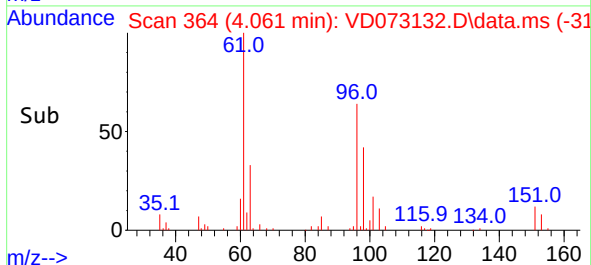
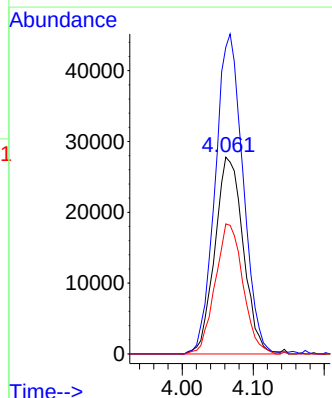
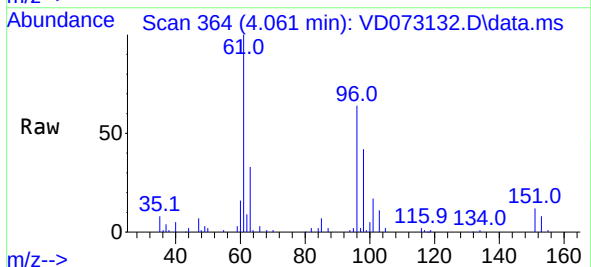
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

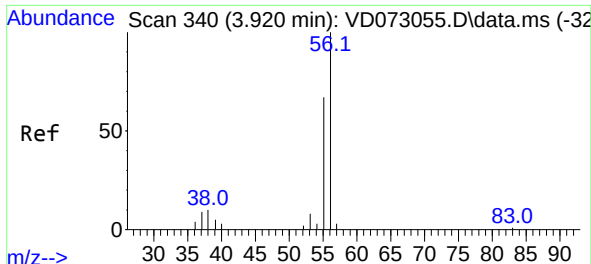
Tgt Ion: 59 Resp: 69831  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#



#12  
1,1-Dichloroethene  
Concen: 43.084 ug/l  
RT: 4.061 min Scan# 364  
Delta R.T. -0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 96 Resp: 77207  
Ion Ratio Lower Upper  
96 100  
61 155.9 138.5 207.7  
98 66.1 48.6 73.0

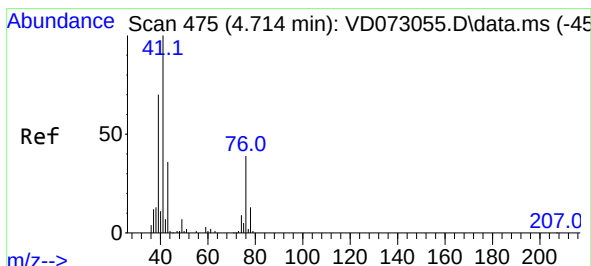
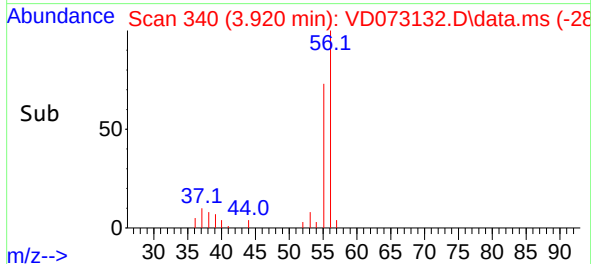
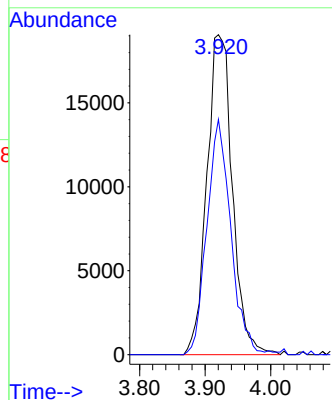
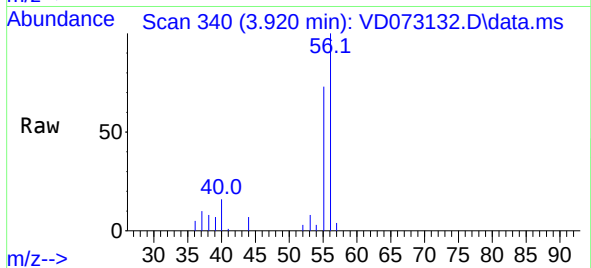




#13  
Acrolein  
Concen: 281.611 ug/l  
RT: 3.920 min Scan# 340  
Delta R.T. 0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

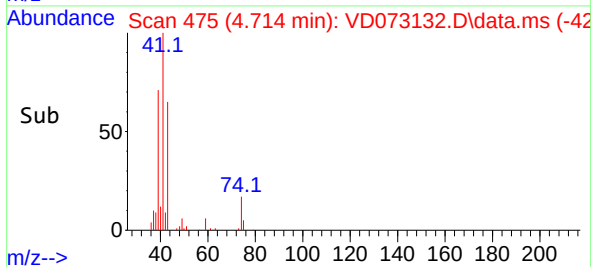
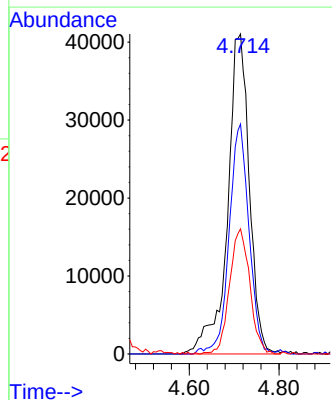
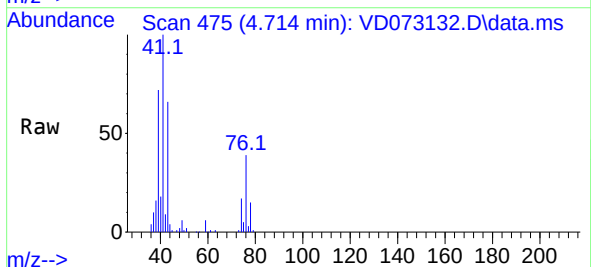
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

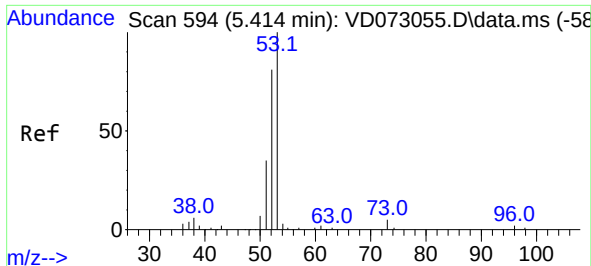
Tgt Ion: 56 Resp: 51604  
Ion Ratio Lower Upper  
56 100  
55 68.6 57.1 85.7



#14  
Allyl chloride  
Concen: 48.965 ug/l  
RT: 4.714 min Scan# 475  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 41 Resp: 139018  
Ion Ratio Lower Upper  
41 100  
39 63.3 59.3 88.9  
76 36.2 25.7 38.5

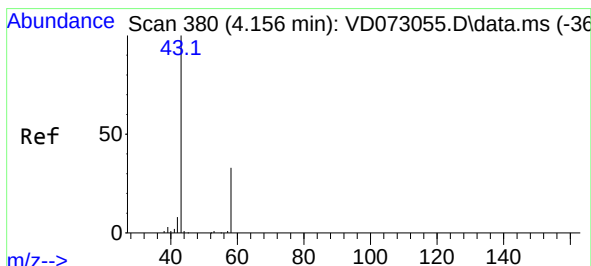
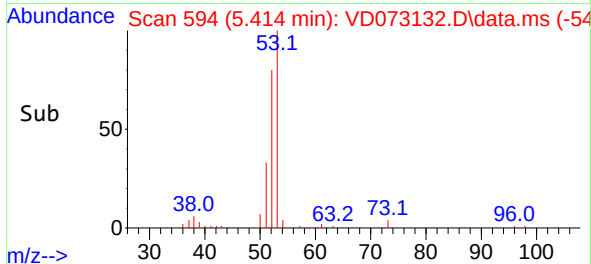
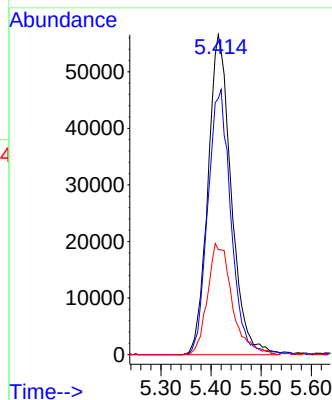
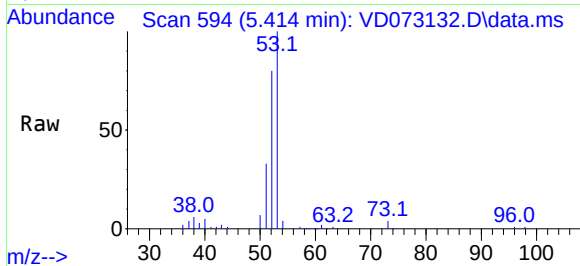




#15  
Acrylonitrile  
Concen: 415.314 ug/l  
RT: 5.414 min Scan# 594  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

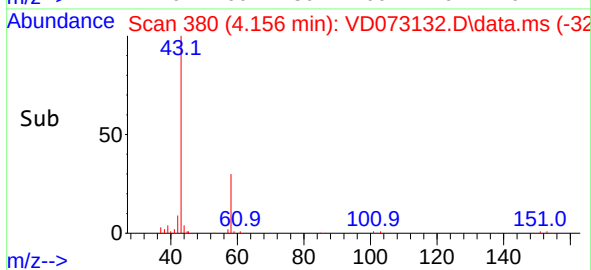
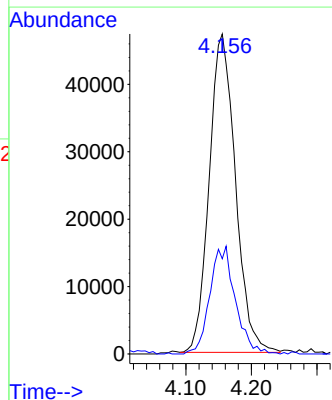
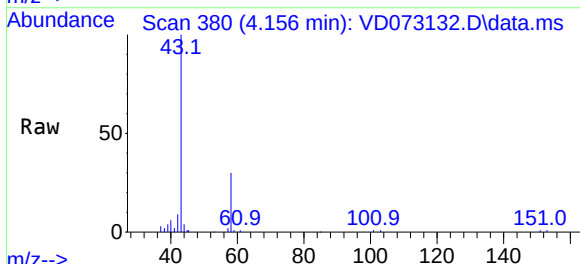
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

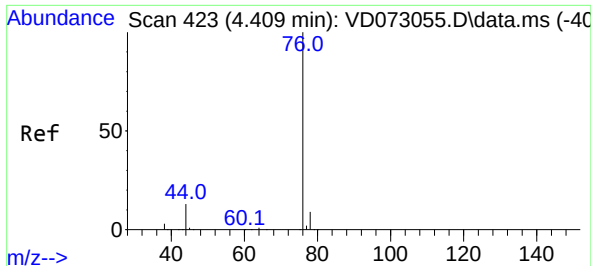
Tgt Ion: 53 Resp: 182268  
Ion Ratio Lower Upper  
53 100  
52 82.5 67.2 100.8  
51 36.7 30.3 45.5



#16  
Acetone  
Concen: 376.328 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 43 Resp: 131362  
Ion Ratio Lower Upper  
43 100  
58 29.9 22.1 33.1

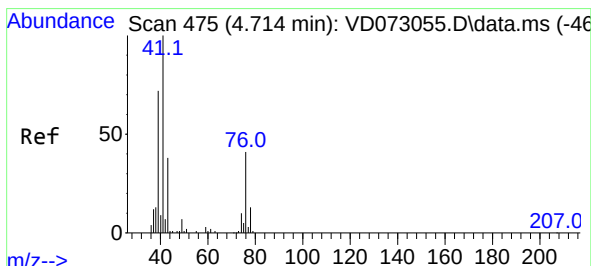
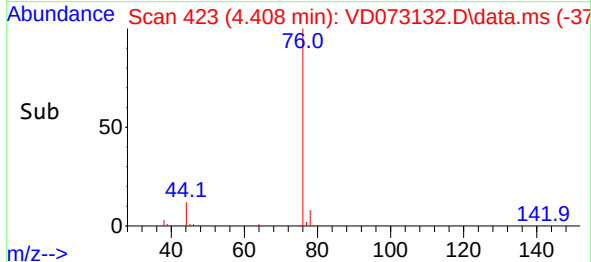
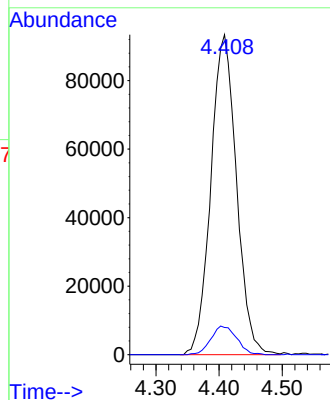
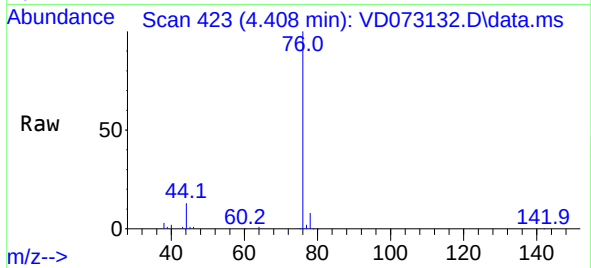




#17  
Carbon Disulfide  
Concen: 43.845 ug/l  
RT: 4.408 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

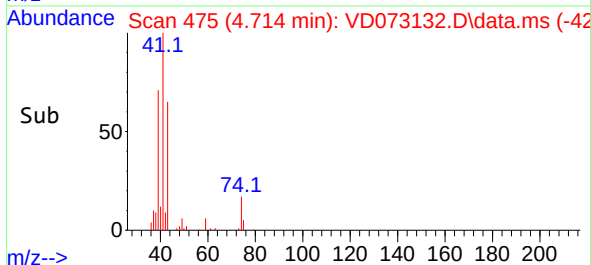
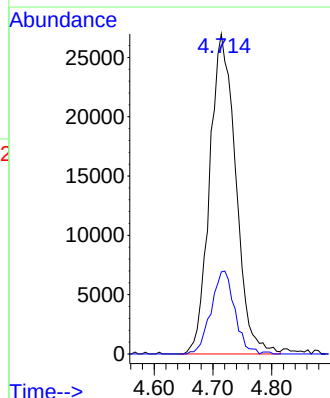
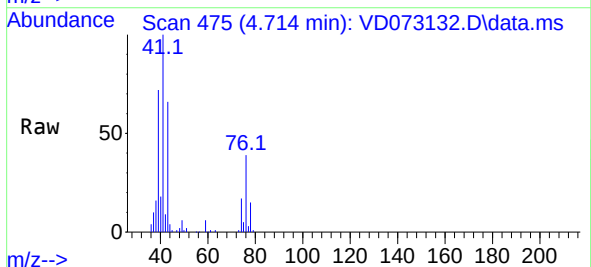
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

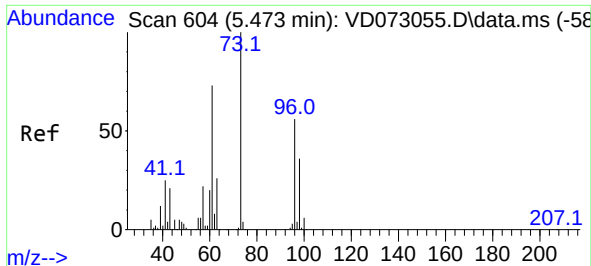
Tgt Ion: 76 Resp: 263149  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.5 11.3



#18  
Methyl Acetate  
Concen: 78.021 ug/l  
RT: 4.714 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 43 Resp: 83127  
Ion Ratio Lower Upper  
43 100  
74 23.5 16.7 25.1

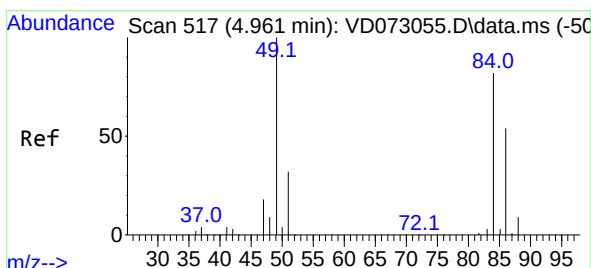
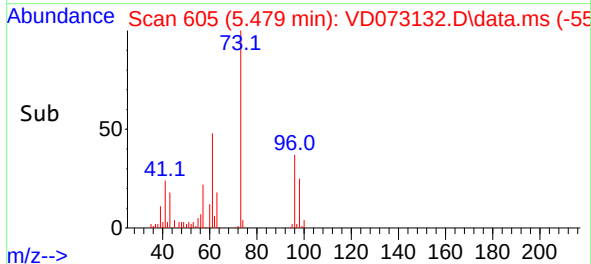
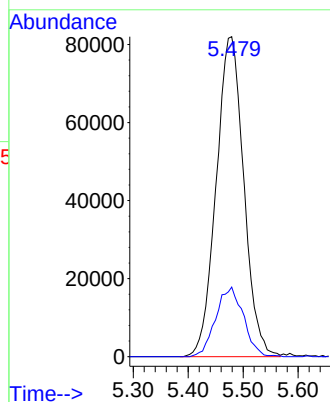
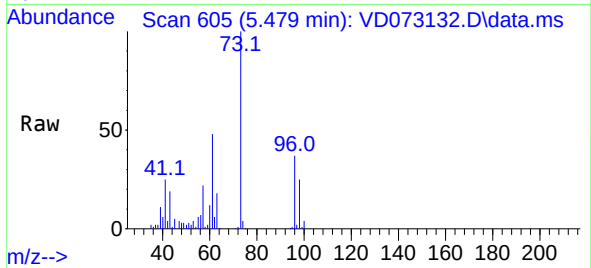




#19  
Methyl tert-butyl Ether  
Concen: 68.224 ug/l  
RT: 5.479 min Scan# 604  
Delta R.T. 0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

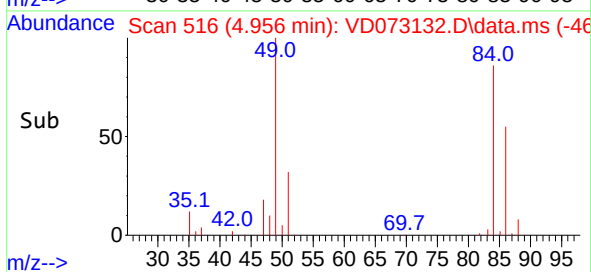
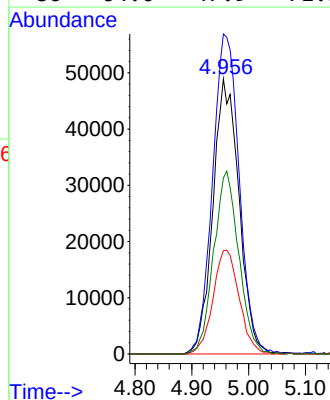
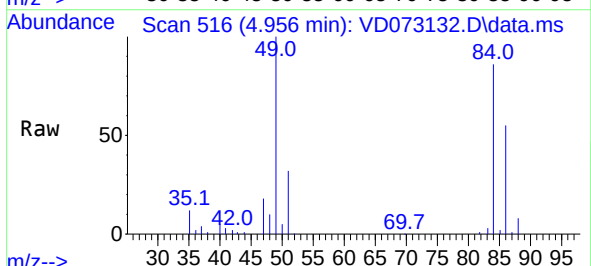
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

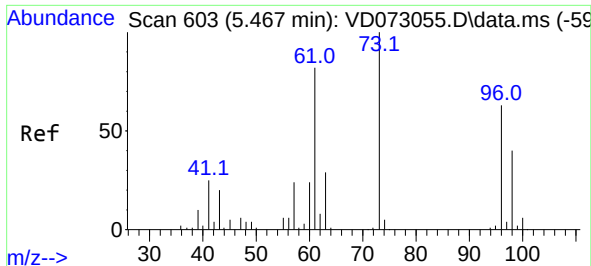
Tgt Ion: 73 Resp: 285915  
Ion Ratio Lower Upper  
73 100  
57 21.7 18.0 27.0



#20  
Methylene Chloride  
Concen: 61.565 ug/l  
RT: 4.956 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 84 Resp: 155973  
Ion Ratio Lower Upper  
84 100  
49 116.3 112.8 169.2  
51 37.6 32.6 48.8  
86 64.0 47.9 71.9





#21

trans-1,2-Dichloroethene

Concen: 48.518 ug/l

RT: 5.473 min Scan# 603

Delta R.T. 0.006 min

Lab File: VD073132.D

Acq: 19 May 2022 08:31

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

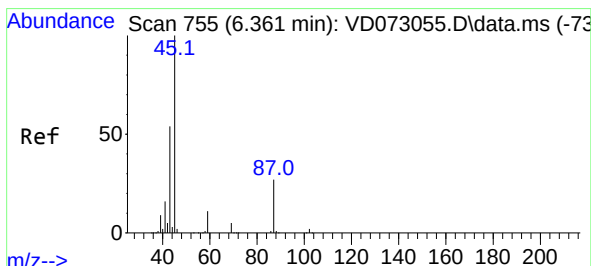
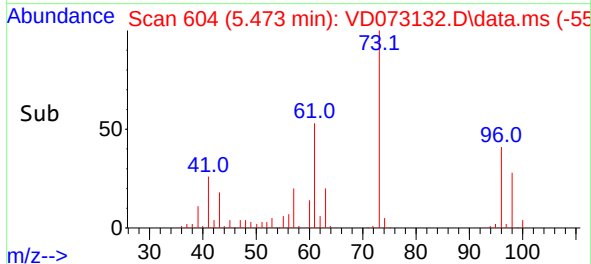
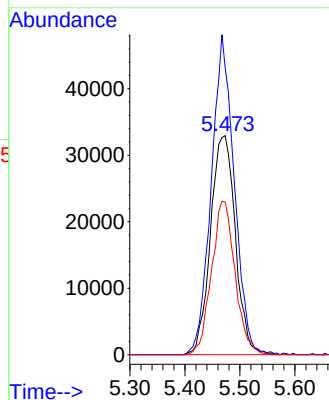
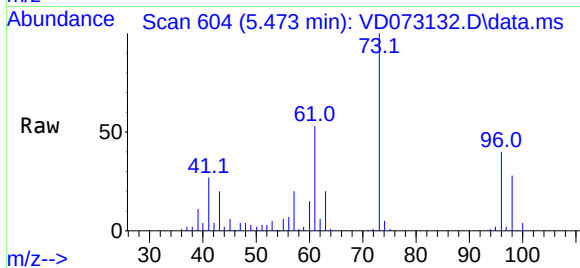
Tgt Ion: 96 Resp: 103421

Ion Ratio Lower Upper

96 100

61 131.0 117.9 176.9

98 69.7 49.4 74.2



#22

Diisopropyl ether

Concen: 60.243 ug/l

RT: 6.361 min Scan# 755

Delta R.T. -0.000 min

Lab File: VD073132.D

Acq: 19 May 2022 08:31

Tgt Ion: 45 Resp: 367114

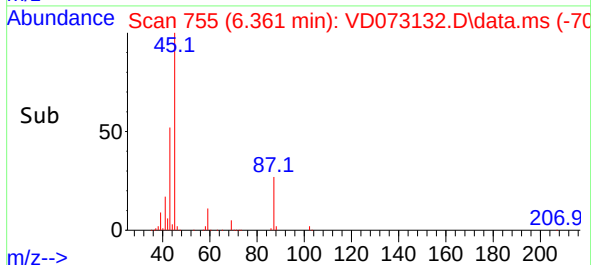
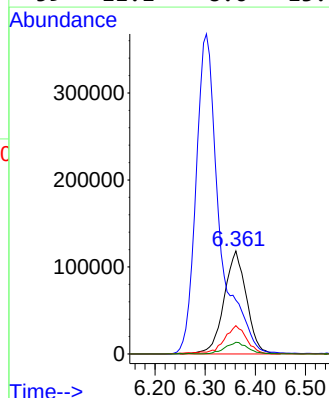
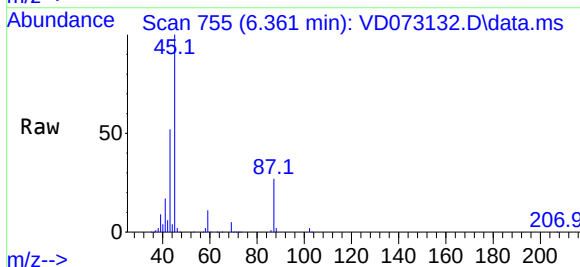
Ion Ratio Lower Upper

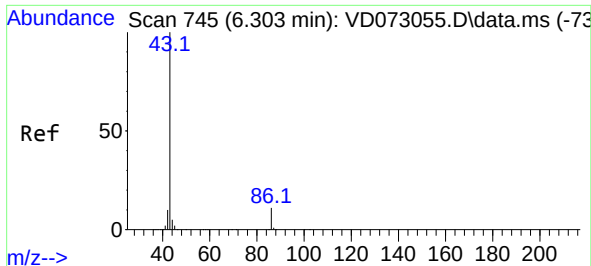
45 100

43 51.3 46.6 70.0

87 27.2 18.4 27.6

59 11.1 8.6 13.0

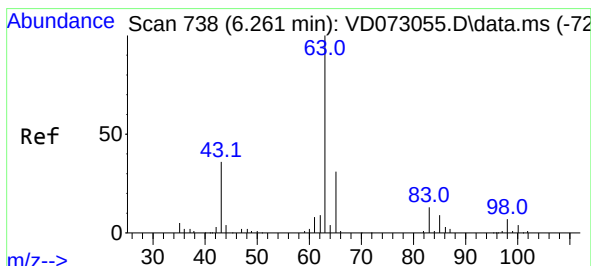
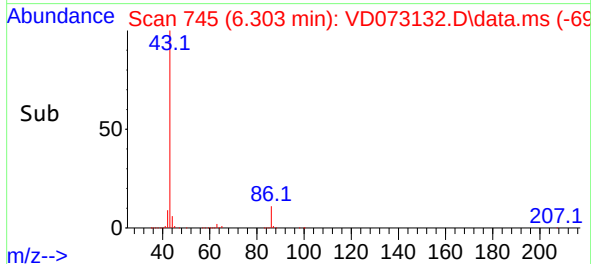
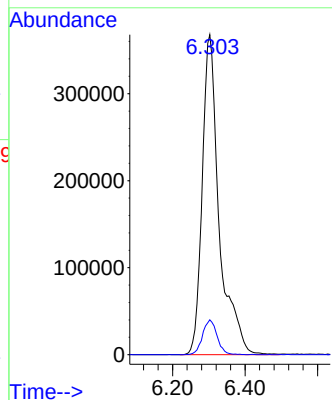
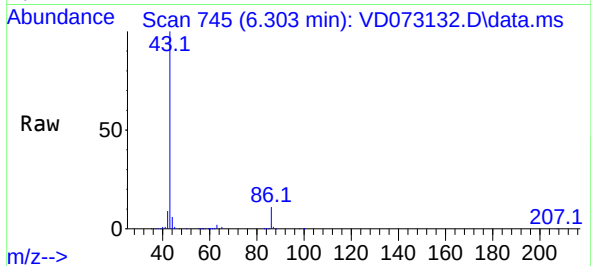




#23  
 Vinyl Acetate  
 Concen: 363.389 ug/l  
 RT: 6.303 min Scan# 745  
 Delta R.T. -0.000 min  
 Lab File: VD073132.D  
 Acq: 19 May 2022 08:31

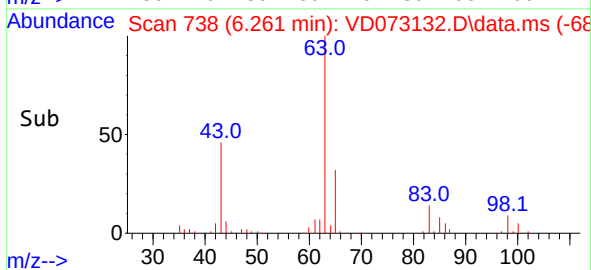
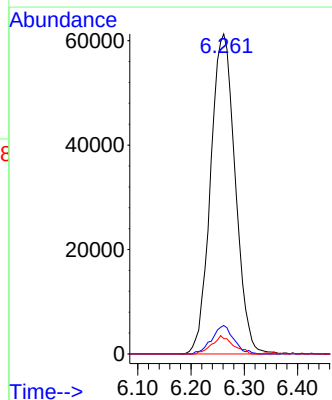
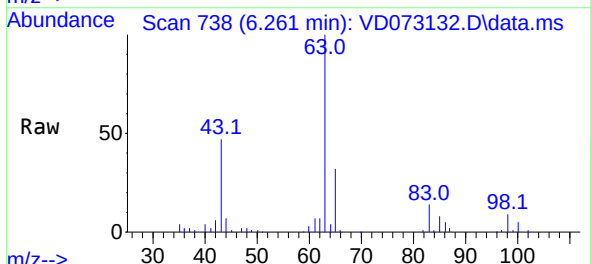
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1196315  
 Ion Ratio Lower Upper  
 43 100  
 86 10.9 7.1 10.7#

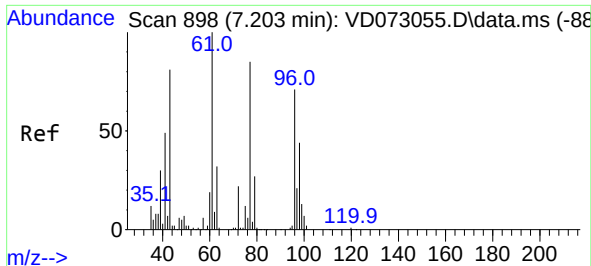


#24  
 1,1-Dichloroethane  
 Concen: 51.922 ug/l  
 RT: 6.261 min Scan# 738  
 Delta R.T. -0.000 min  
 Lab File: VD073132.D  
 Acq: 19 May 2022 08:31

Tgt Ion: 63 Resp: 196849  
 Ion Ratio Lower Upper  
 63 100  
 98 8.9 3.6 10.9  
 100 4.8 2.1 6.5



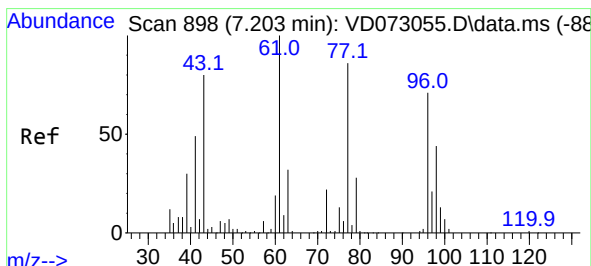
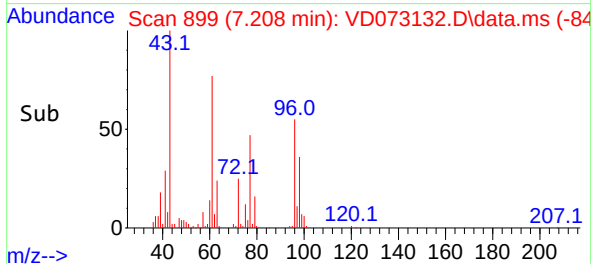
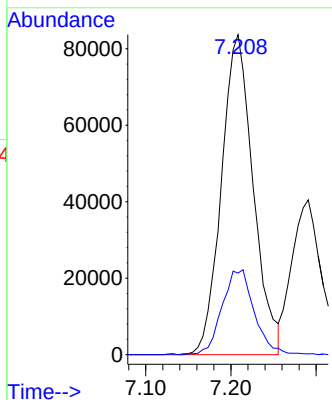
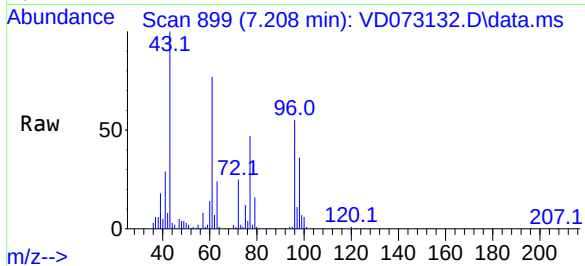




#25  
2-Butanone  
Concen: 411.366 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. 0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

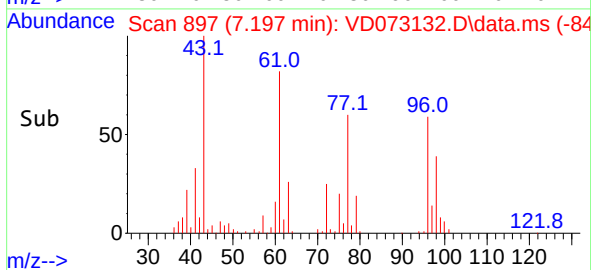
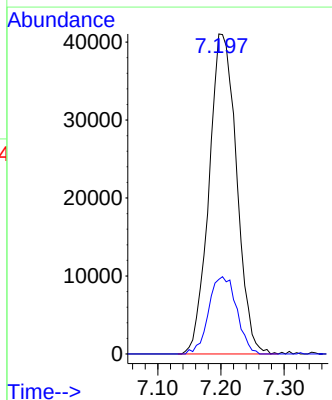
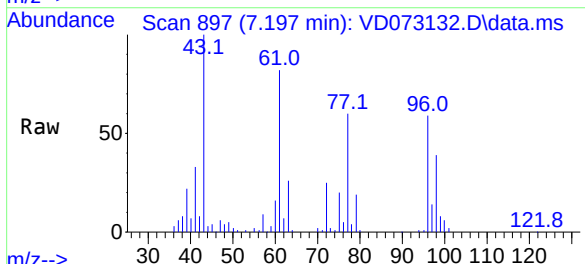
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

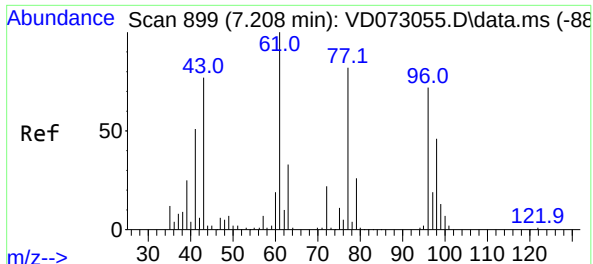
Tgt Ion: 43 Resp: 217436  
Ion Ratio Lower Upper  
43 100  
72 25.5 18.6 27.8



#26  
2,2-Dichloropropane  
Concen: 38.743 ug/l  
RT: 7.197 min Scan# 897  
Delta R.T. -0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 77 Resp: 124354  
Ion Ratio Lower Upper  
77 100  
97 24.5 10.8 32.4

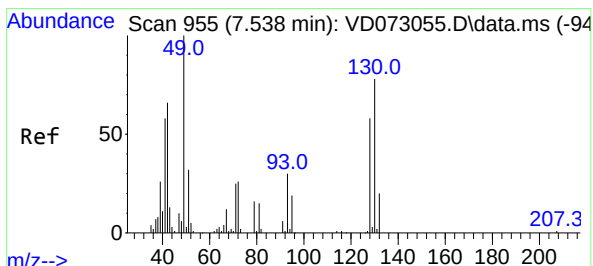
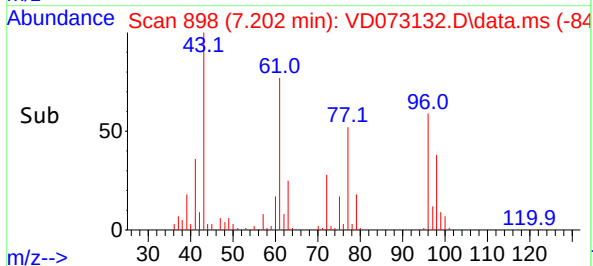
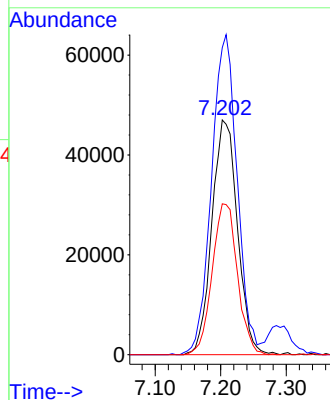
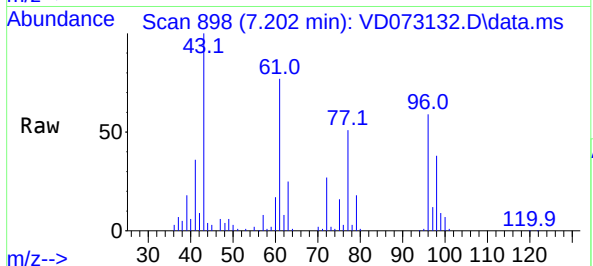




#27  
cis-1,2-Dichloroethene  
Concen: 54.170 ug/l  
RT: 7.202 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

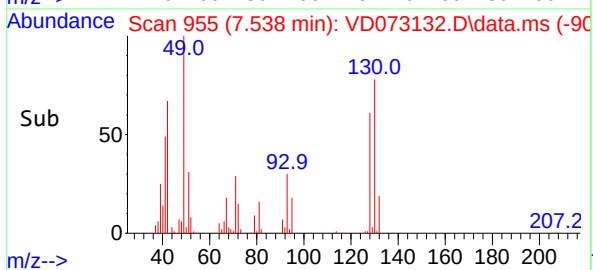
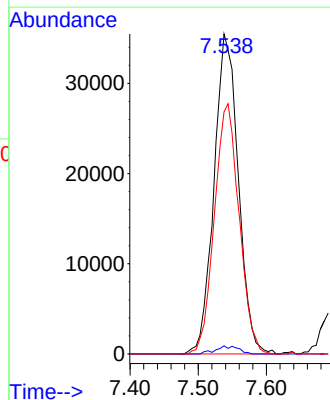
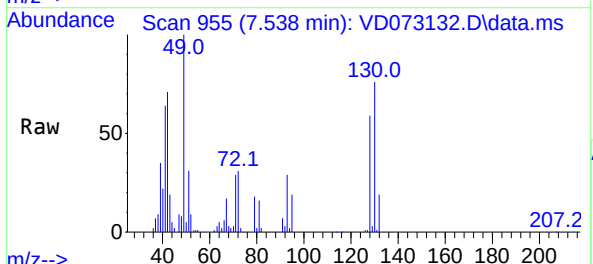
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

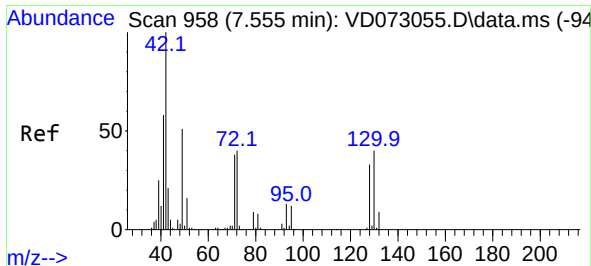
Tgt Ion: 96 Resp: 127335  
Ion Ratio Lower Upper  
96 100  
61 136.6 0.0 313.8  
98 63.5 0.0 128.8



#28  
Bromochloromethane  
Concen: 67.781 ug/l  
RT: 7.538 min Scan# 955  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 49 Resp: 88026  
Ion Ratio Lower Upper  
49 100  
129 2.3 0.0 4.0  
130 79.5 52.6 79.0#





#29

Tetrahydrofuran

Concen: 427.626 ug/l

RT: 7.555 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD073132.D

Acq: 19 May 2022 08:31

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

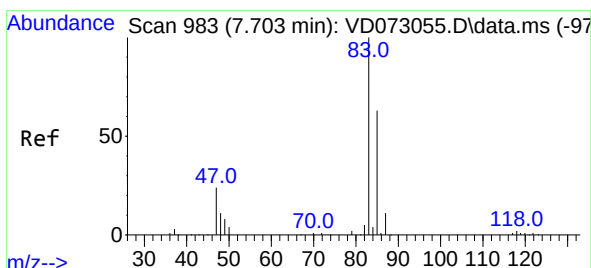
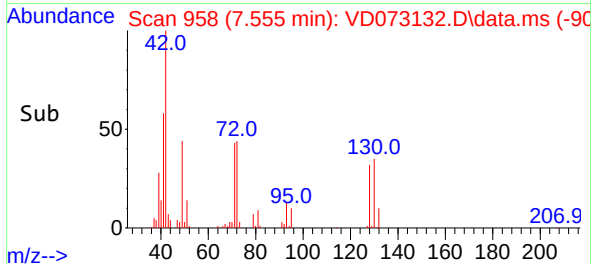
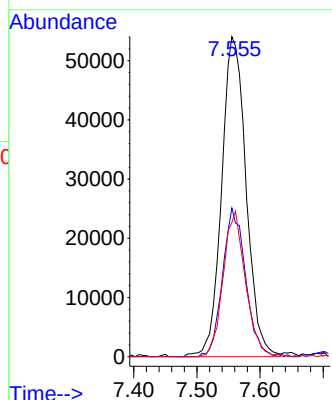
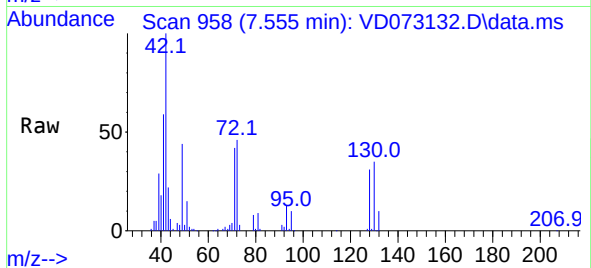
Tgt Ion: 42 Resp: 145444

Ion Ratio Lower Upper

42 100

72 43.5 30.7 46.1

71 41.4 28.6 43.0



#30

Chloroform

Concen: 54.315 ug/l

RT: 7.702 min Scan# 983

Delta R.T. -0.000 min

Lab File: VD073132.D

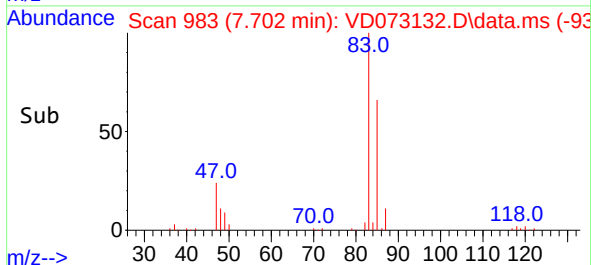
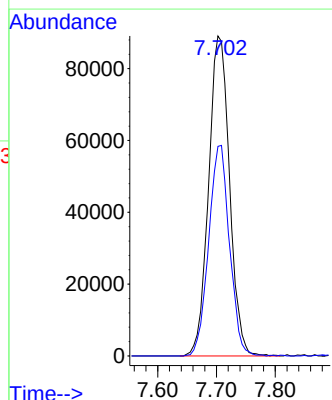
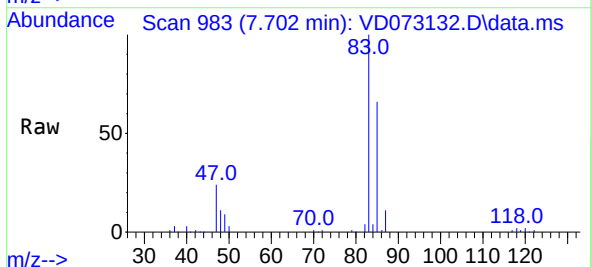
Acq: 19 May 2022 08:31

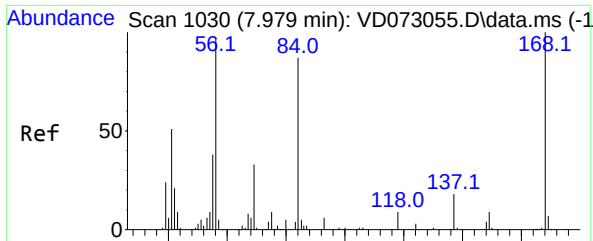
Tgt Ion: 83 Resp: 220328

Ion Ratio Lower Upper

83 100

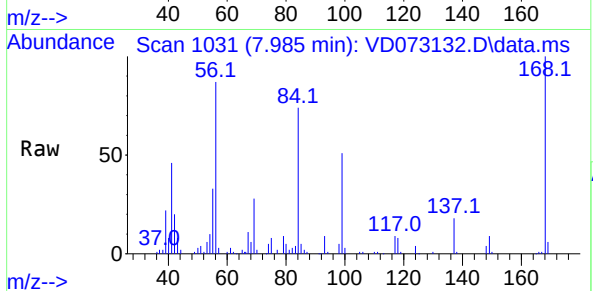
85 65.5 52.7 79.1



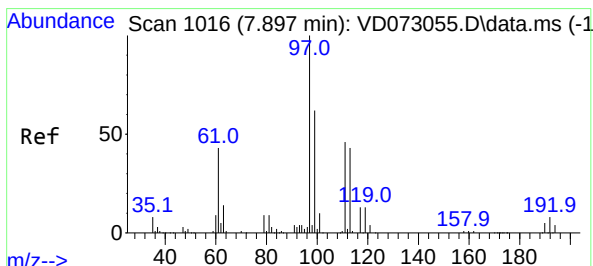
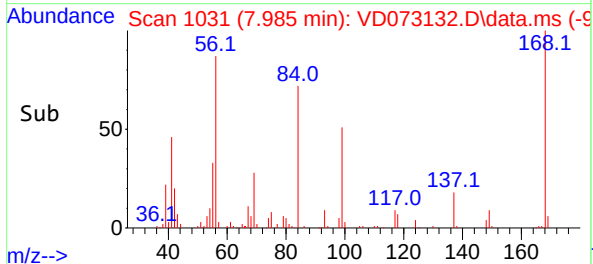
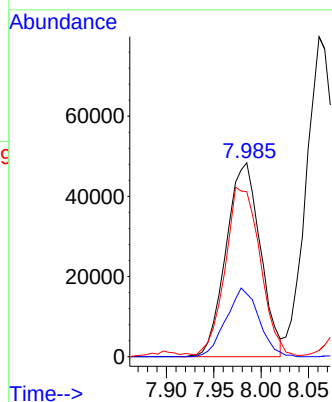


#31  
Cyclohexane  
Concen: 35.067 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

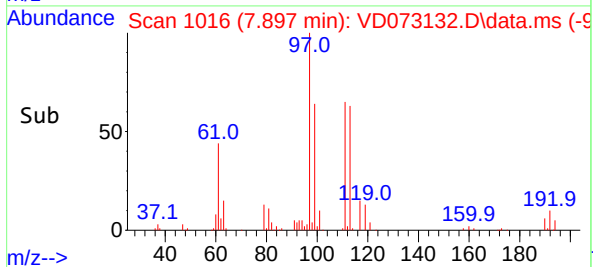
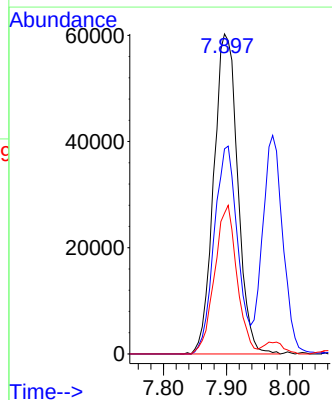
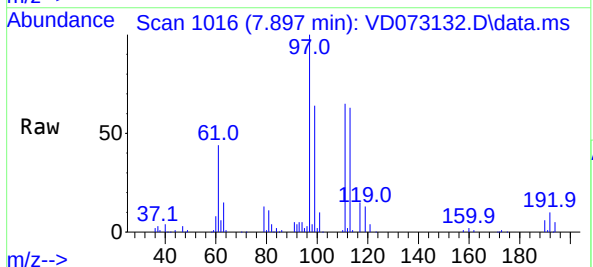


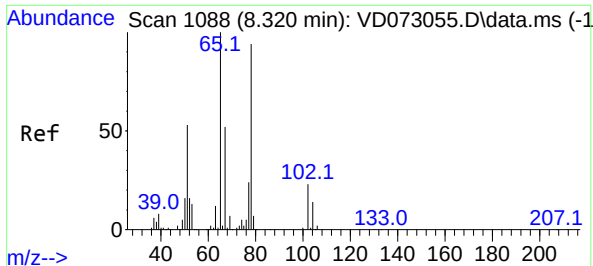
Tgt Ion: 56 Resp: 121839  
Ion Ratio Lower Upper  
56 100  
69 32.5 25.4 38.2  
84 84.0 63.0 94.4



#32  
1,1,1-Trichloroethane  
Concen: 45.664 ug/l  
RT: 7.897 min Scan# 1016  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 97 Resp: 158697  
Ion Ratio Lower Upper  
97 100  
99 63.5 52.4 78.6  
61 43.6 38.0 57.0

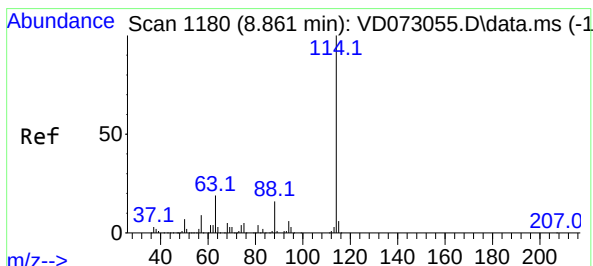
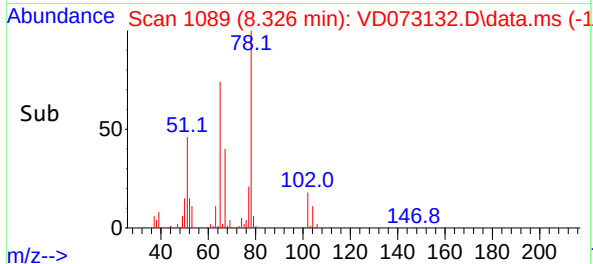
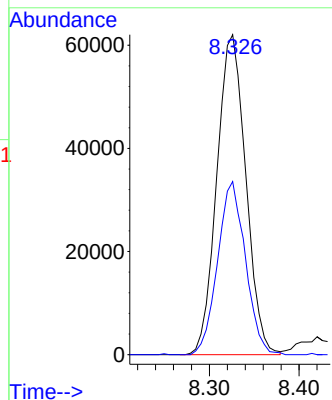
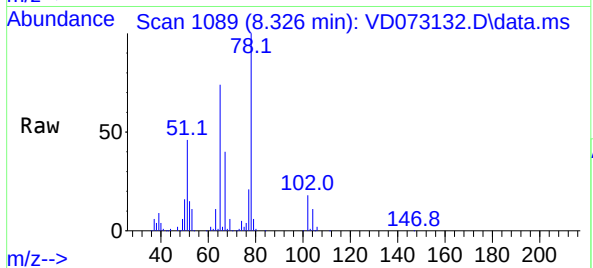




#33  
1,2-Dichloroethane-d4  
Concen: 72.086 ug/l  
RT: 8.326 min Scan# 1088  
Delta R.T. 0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

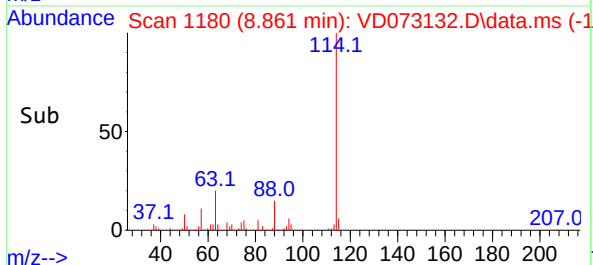
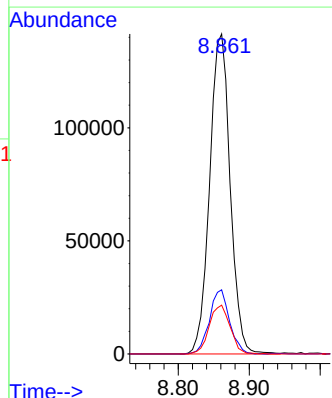
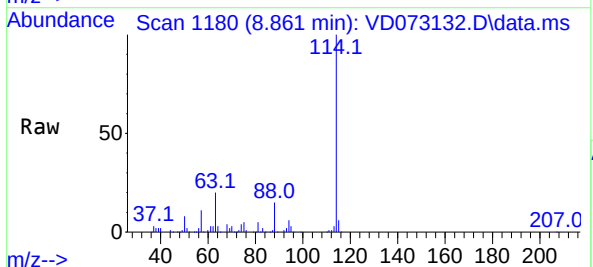
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

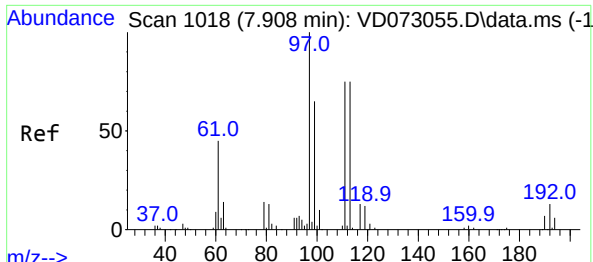
Tgt Ion: 65 Resp: 139046  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 101.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 114 Resp: 284178  
Ion Ratio Lower Upper  
114 100  
63 20.0 0.0 46.6  
88 15.3 0.0 33.2

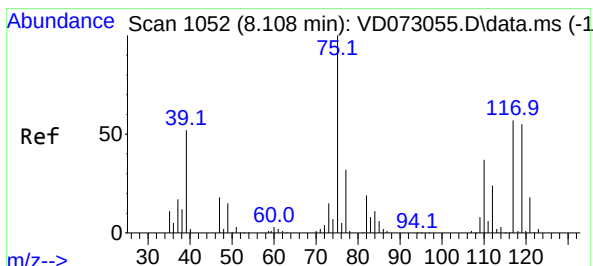
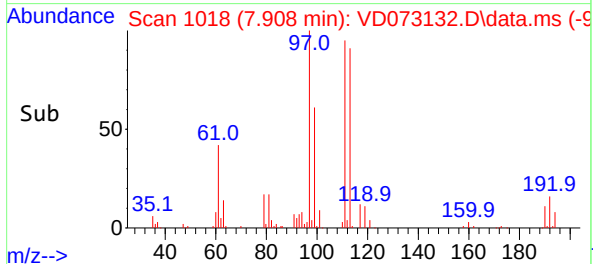
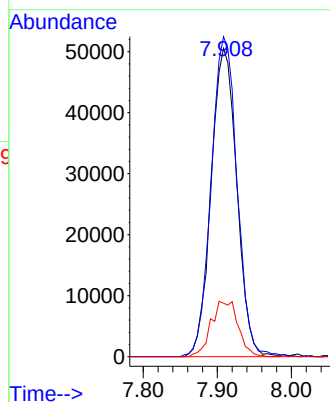
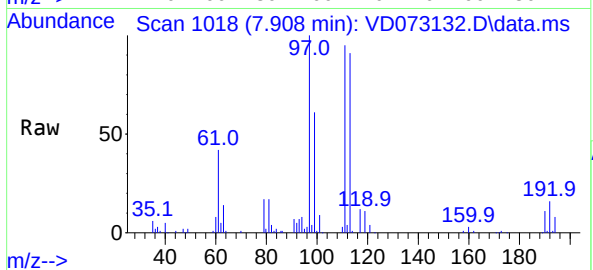




#35  
Dibromofluoromethane  
Concen: 61.181 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

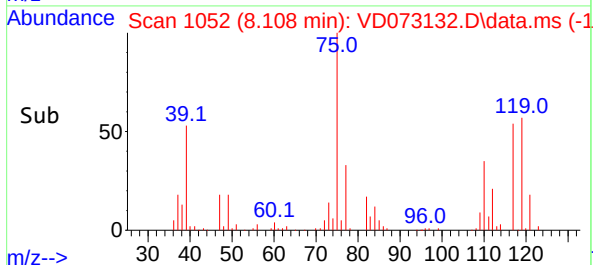
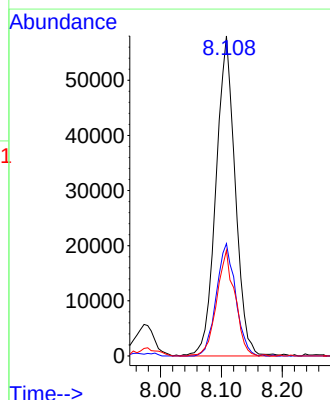
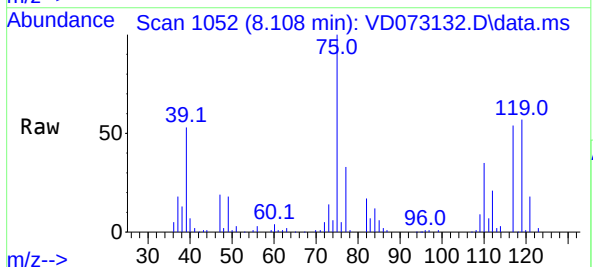
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

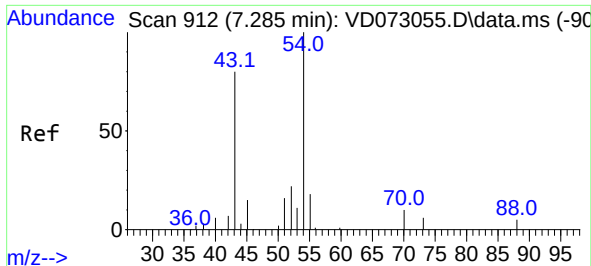
Tgt Ion:113 Resp: 122072  
Ion Ratio Lower Upper  
113 100  
111 103.9 83.8 125.6  
192 18.9 14.6 21.8



#36  
1,1-Dichloropropene  
Concen: 39.183 ug/l  
RT: 8.108 min Scan# 1052  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 75 Resp: 127385  
Ion Ratio Lower Upper  
75 100  
110 35.3 16.4 49.1  
77 31.4 24.2 36.2





#37

Ethyl Acetate

Concen: 73.694 ug/l

RT: 7.291 min Scan# 912

Delta R.T. 0.006 min

Lab File: VD073132.D

Acq: 19 May 2022 08:31

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

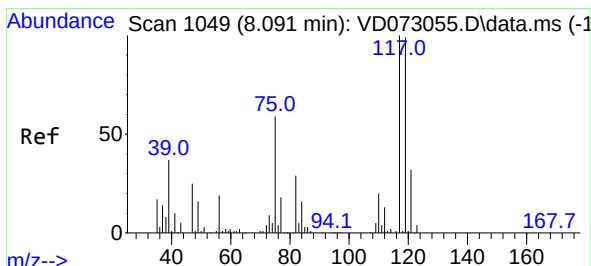
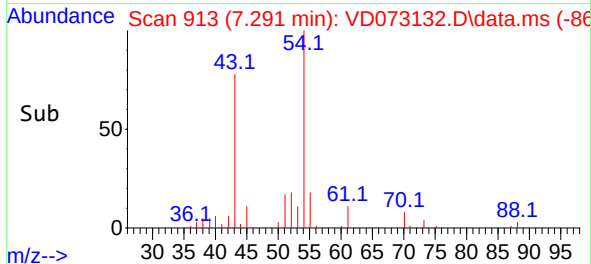
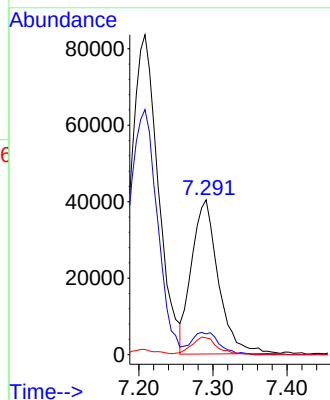
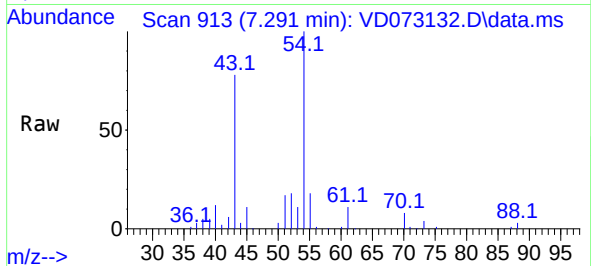
Tgt Ion: 43 Resp: 100618

Ion Ratio Lower Upper

43 100

61 14.8 9.8 14.8#

70 11.1 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 39.305 ug/l

RT: 8.091 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VD073132.D

Acq: 19 May 2022 08:31

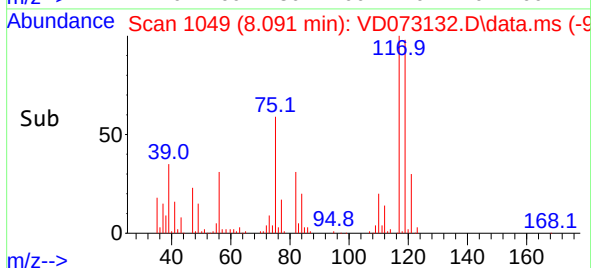
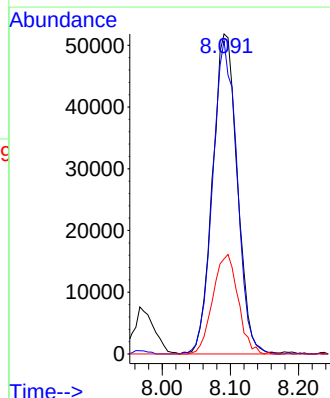
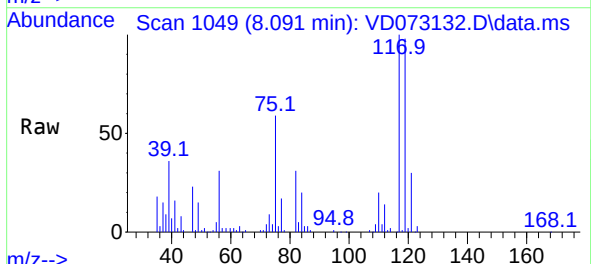
Tgt Ion:117 Resp: 130735

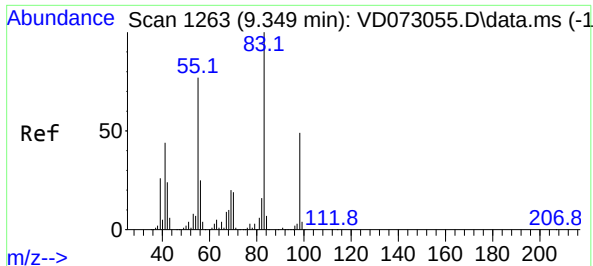
Ion Ratio Lower Upper

117 100

119 97.9 75.8 113.6

121 29.7 24.5 36.7





#39

Methylcyclohexane

Concen: 31.598 ug/l

RT: 9.349 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD073132.D

Acq: 19 May 2022 08:31

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

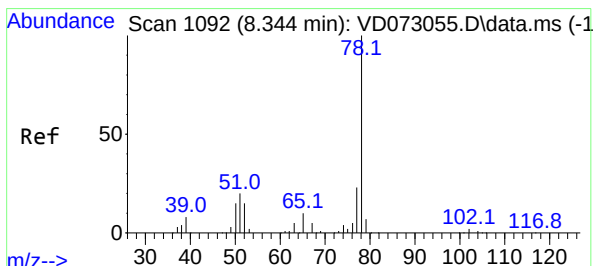
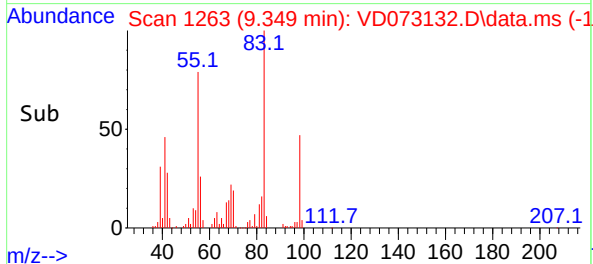
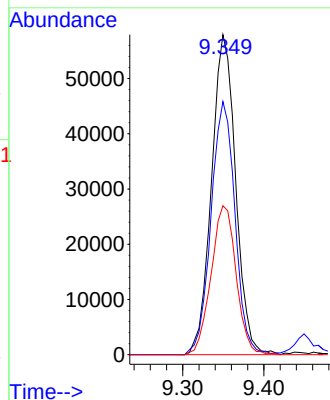
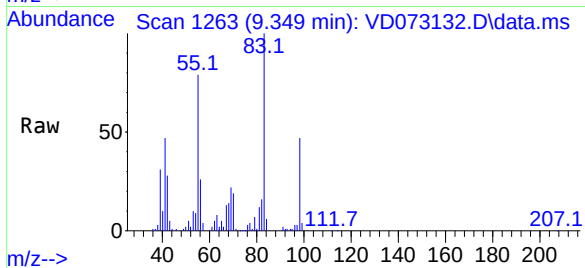
Tgt Ion: 83 Resp: 119785

Ion Ratio Lower Upper

83 100

55 79.1 63.2 94.8

98 46.6 38.2 57.4



#40

Benzene

Concen: 47.333 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VD073132.D

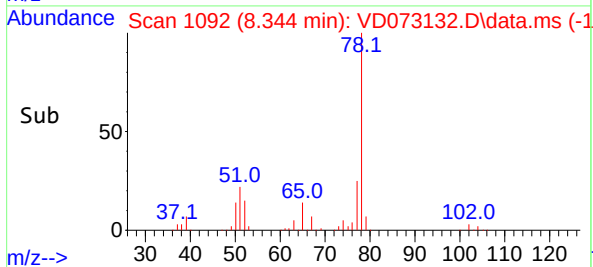
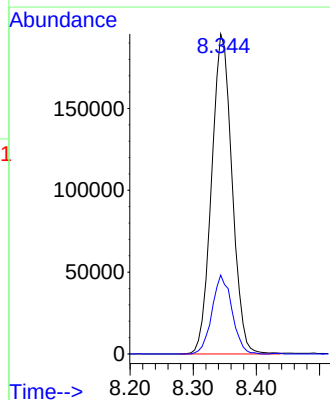
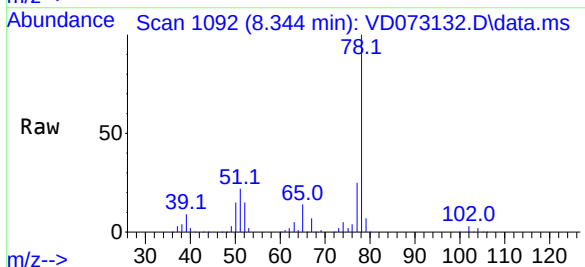
Acq: 19 May 2022 08:31

Tgt Ion: 78 Resp: 440002

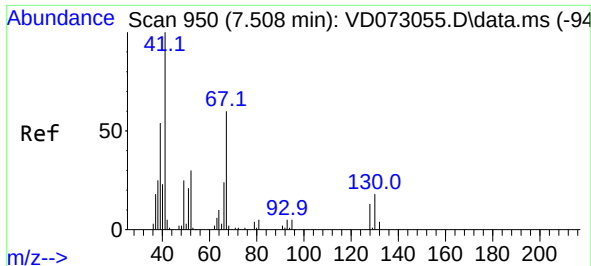
Ion Ratio Lower Upper

78 100

77 24.7 19.1 28.7



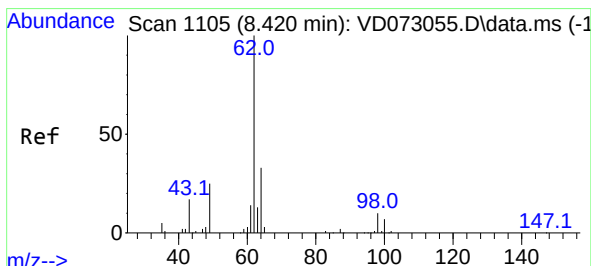
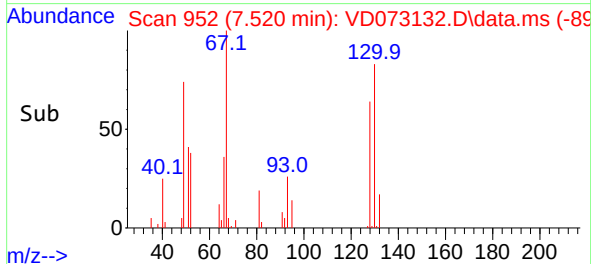
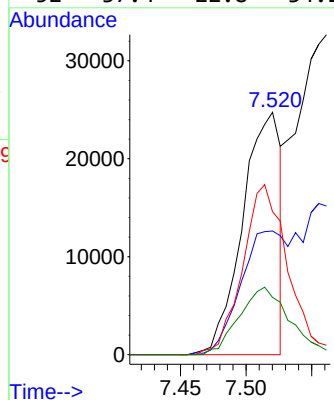
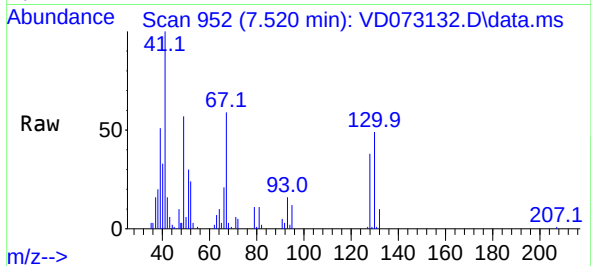




#41  
Methacrylonitrile  
Concen: 64.969 ug/l  
RT: 7.520 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

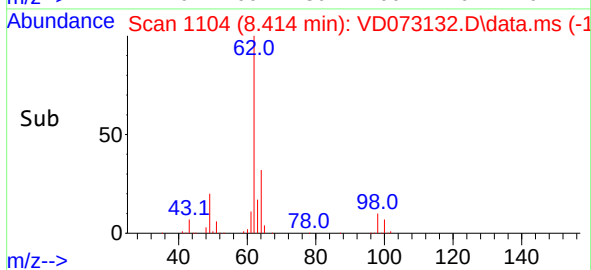
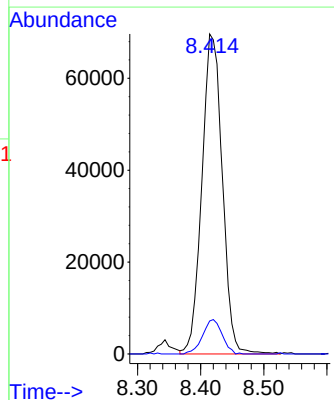
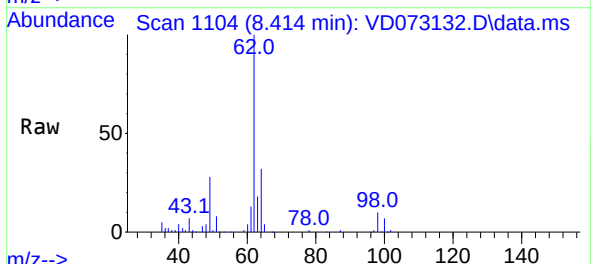
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

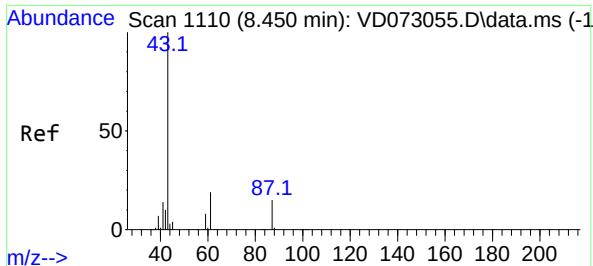
Tgt Ion: 41 Resp: 50020  
Ion Ratio Lower Upper  
41 100  
39 62.3 44.6 67.0  
67 83.3 48.2 72.4#  
52 37.4 22.8 34.2#



#42  
1,2-Dichloroethane  
Concen: 57.905 ug/l  
RT: 8.414 min Scan# 1104  
Delta R.T. -0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 62 Resp: 156678  
Ion Ratio Lower Upper  
62 100  
98 10.3 0.0 17.6

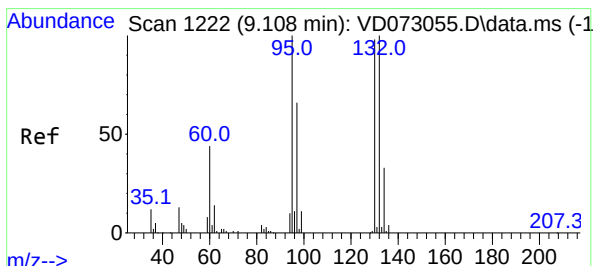
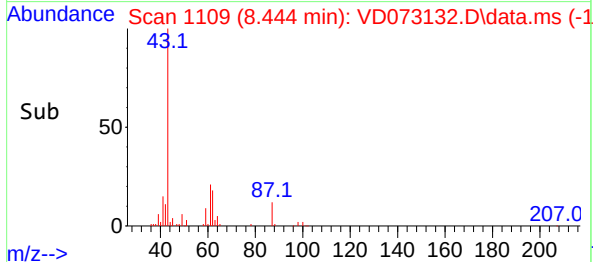
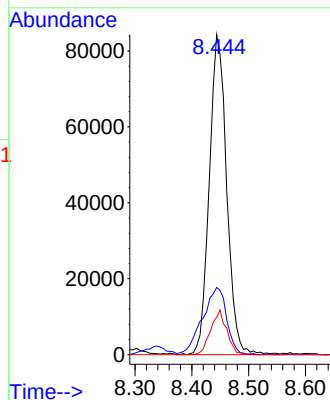
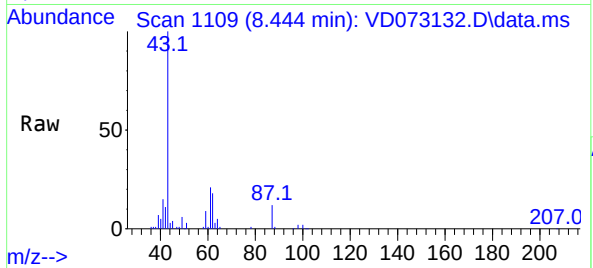




#43  
Isopropyl Acetate  
Concen: 70.633 ug/l  
RT: 8.444 min Scan# 1110  
Delta R.T. -0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

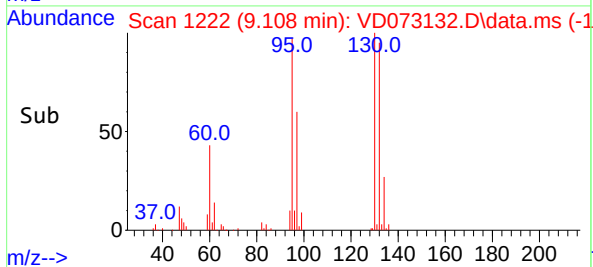
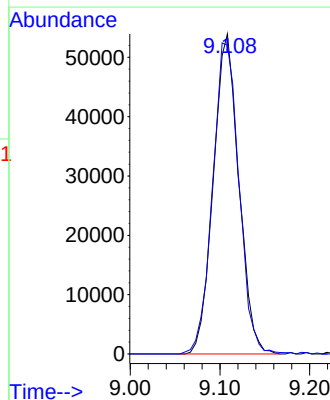
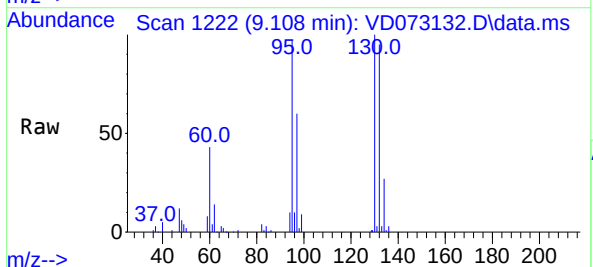
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

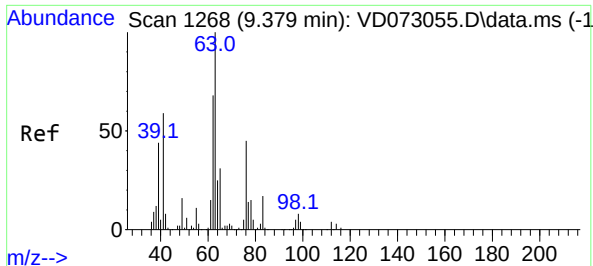
Tgt Ion: 43 Resp: 179299  
Ion Ratio Lower Upper  
43 100  
61 29.0 22.4 33.6  
87 12.7 8.7 13.1



#44  
Trichloroethene  
Concen: 42.205 ug/l  
RT: 9.108 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion:130 Resp: 106121  
Ion Ratio Lower Upper  
130 100  
95 96.5 0.0 205.4





#45

1,2-Dichloropropane

Concen: 50.315 ug/l

RT: 9.379 min Scan# 1268

Delta R.T. -0.000 min

Lab File: VD073132.D

Acq: 19 May 2022 08:31

Instrument :

MSVOA\_D

ClientSampleId :

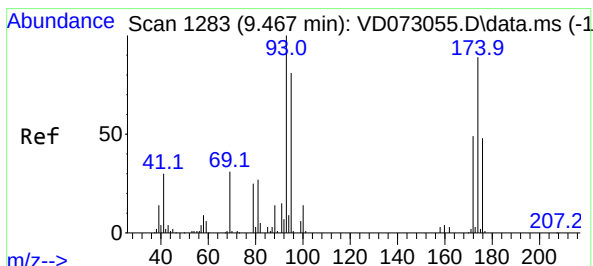
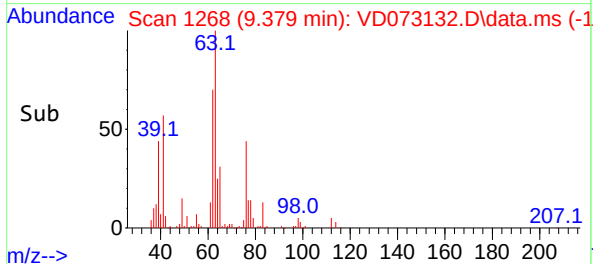
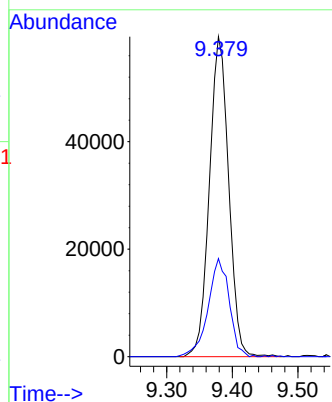
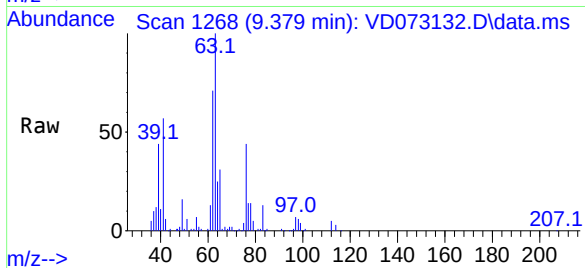
VSTDCCC050EC

Tgt Ion: 63 Resp: 121463

Ion Ratio Lower Upper

63 100

65 30.4 26.2 39.4



#46

Dibromomethane

Concen: 61.983 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. -0.000 min

Lab File: VD073132.D

Acq: 19 May 2022 08:31

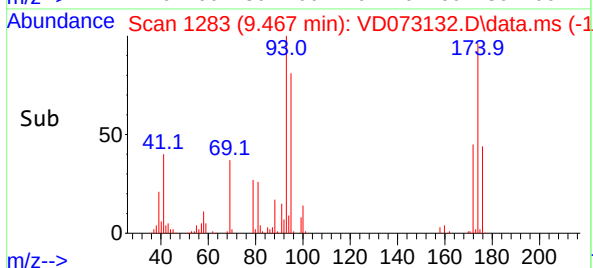
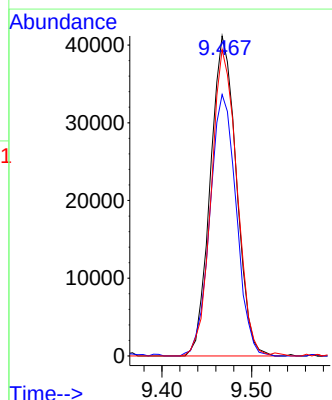
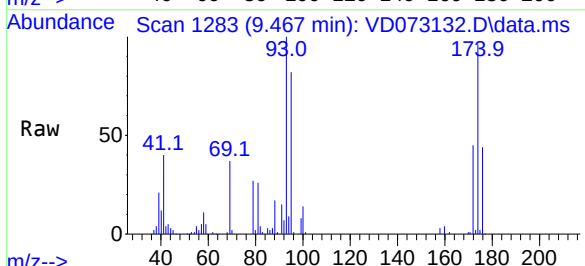
Tgt Ion: 93 Resp: 82739

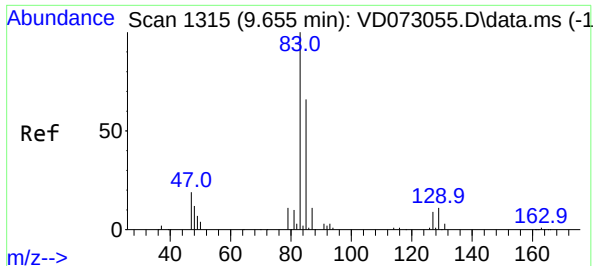
Ion Ratio Lower Upper

93 100

95 82.6 66.7 100.1

174 94.6 71.6 107.4

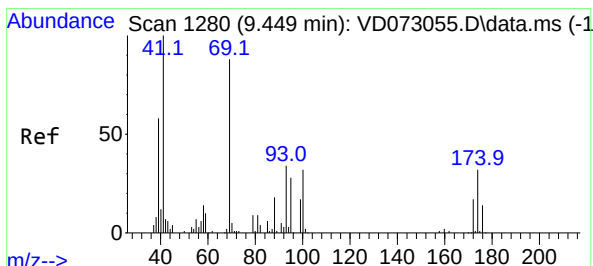
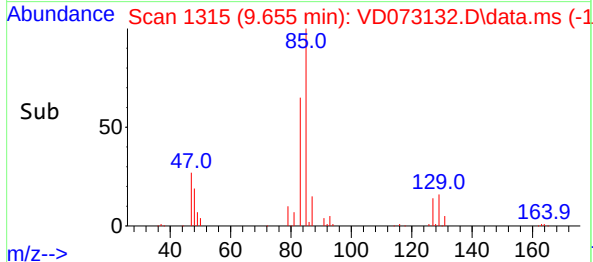
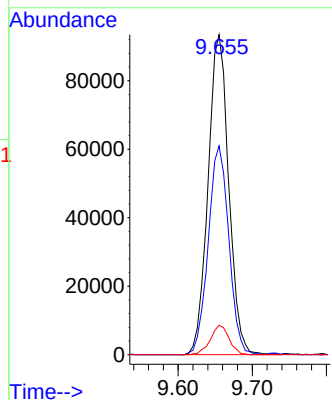
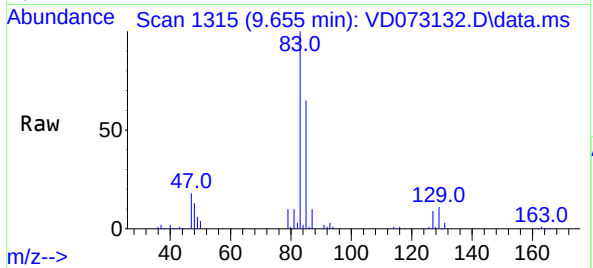




#47  
Bromodichloromethane  
Concen: 53.377 ug/l  
RT: 9.655 min Scan# 1315  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

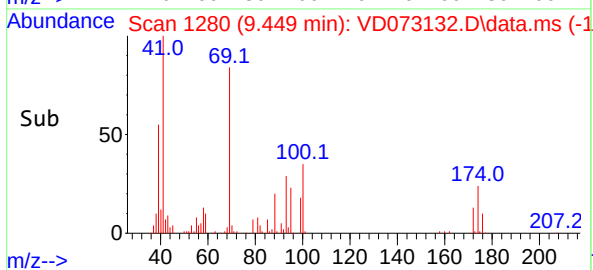
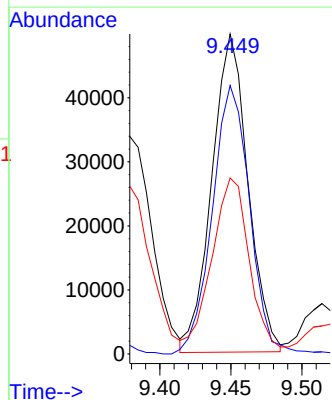
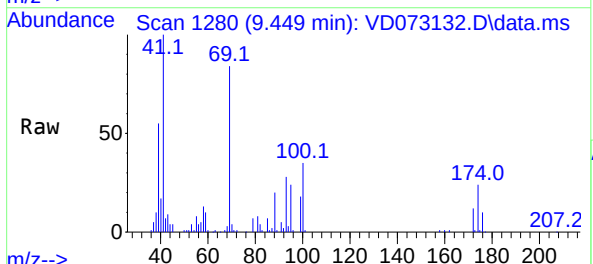
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

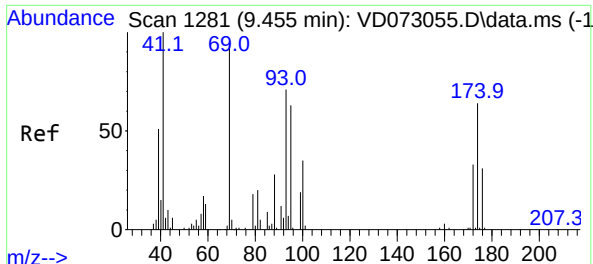
Tgt Ion: 83 Resp: 180967  
Ion Ratio Lower Upper  
83 100  
85 65.3 51.4 77.0  
127 9.2 6.1 9.1#



#48  
Methyl methacrylate  
Concen: 69.779 ug/l  
RT: 9.449 min Scan# 1280  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 41 Resp: 87861  
Ion Ratio Lower Upper  
41 100  
69 87.6 56.7 85.1#  
39 57.5 42.7 64.1

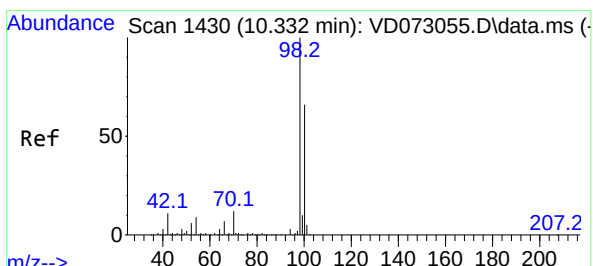
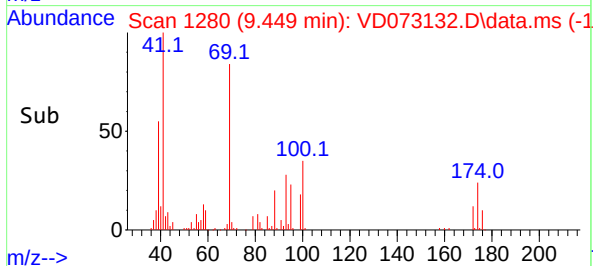
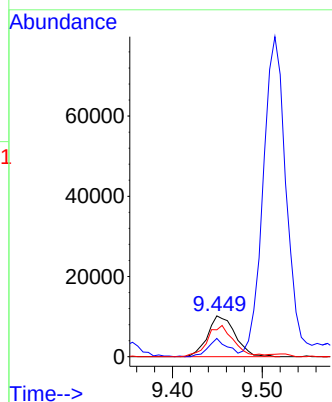
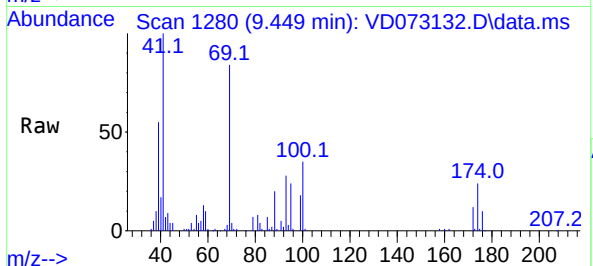




#49  
1,4-Dioxane  
Concen: 1553.950 ug/l  
RT: 9.449 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

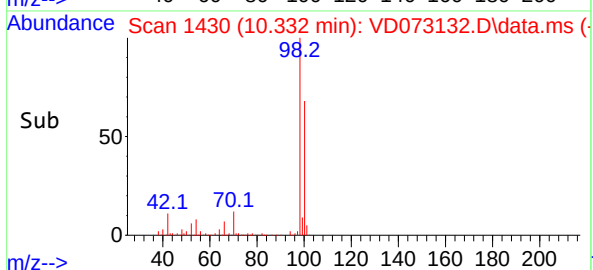
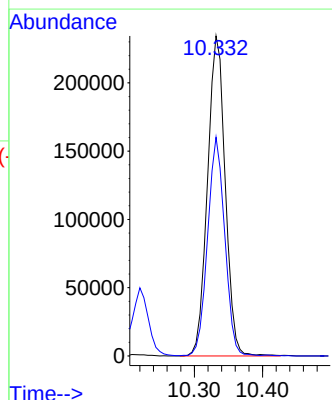
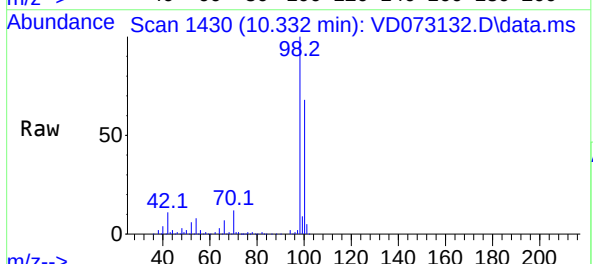
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

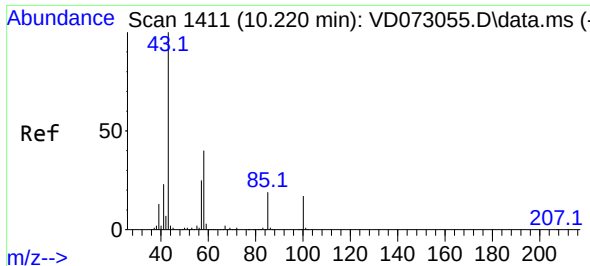
Tgt Ion: 88 Resp: 21596  
Ion Ratio Lower Upper  
88 100  
43 31.7 31.0 46.4  
58 73.0 58.1 87.1



#50  
Toluene-d8  
Concen: 58.574 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 98 Resp: 423978  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.4 78.6

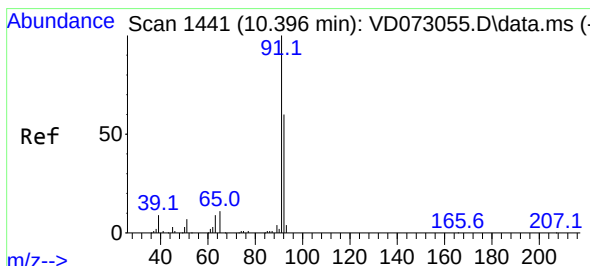
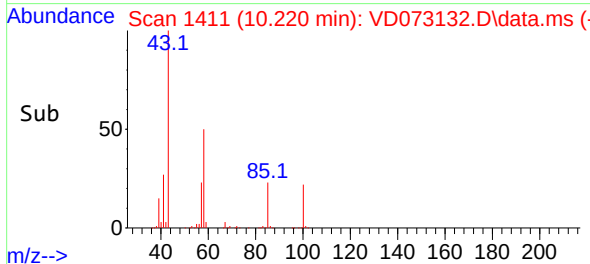
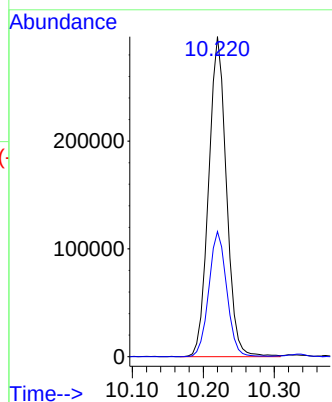
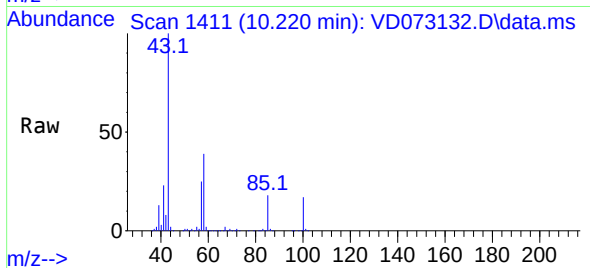




#51  
4-Methyl-2-Pentanone  
Concen: 391.389 ug/l  
RT: 10.220 min Scan# 1411  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

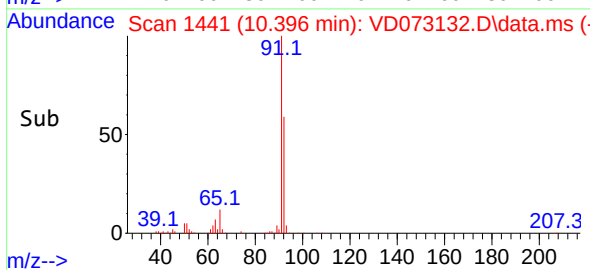
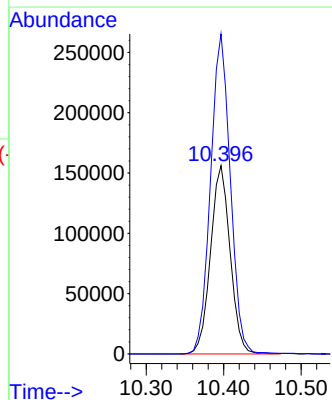
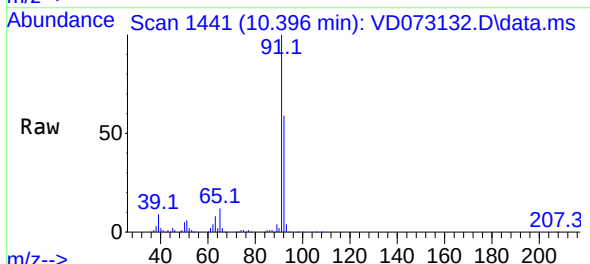
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

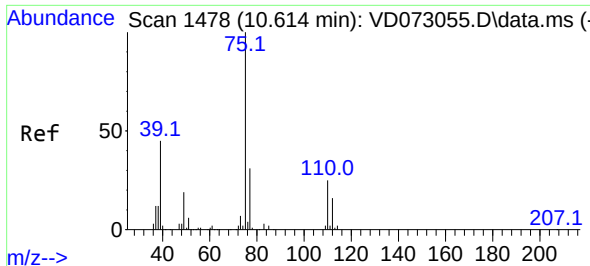
Tgt Ion: 43 Resp: 518483  
Ion Ratio Lower Upper  
43 100  
58 39.3 28.6 43.0



#52  
Toluene  
Concen: 46.437 ug/l  
RT: 10.396 min Scan# 1441  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 92 Resp: 274062  
Ion Ratio Lower Upper  
92 100  
91 171.8 139.6 209.4

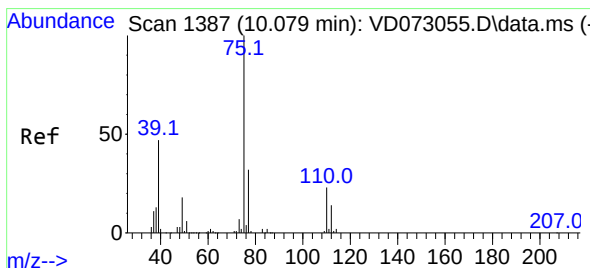
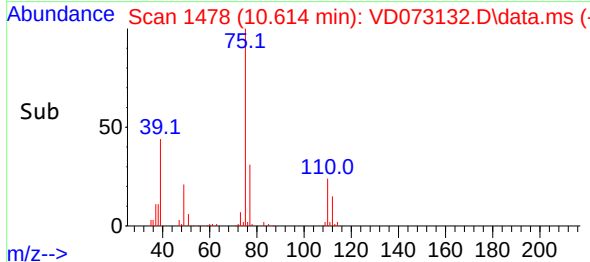
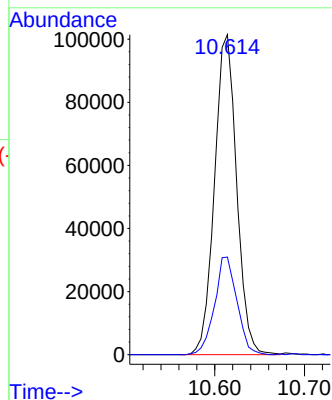
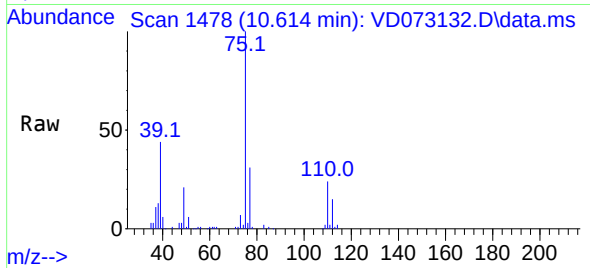




#53  
t-1,3-Dichloropropene  
Concen: 56.190 ug/l  
RT: 10.614 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

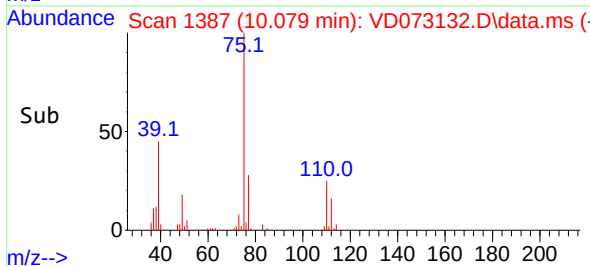
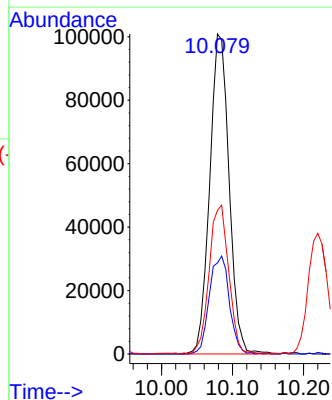
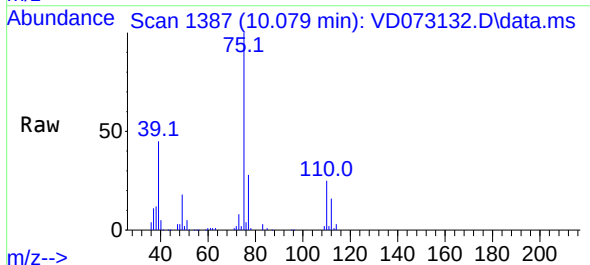
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

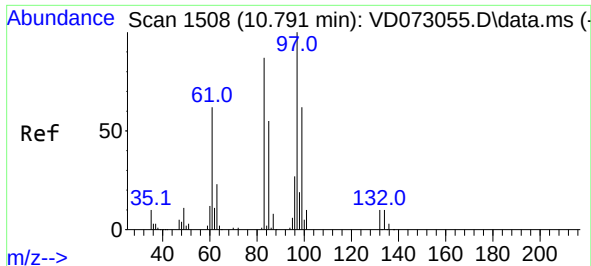
Tgt Ion: 75 Resp: 173745  
Ion Ratio Lower Upper  
75 100  
77 30.5 24.5 36.7



#54  
cis-1,3-Dichloropropene  
Concen: 52.453 ug/l  
RT: 10.079 min Scan# 1387  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 75 Resp: 191225  
Ion Ratio Lower Upper  
75 100  
77 28.4 24.8 37.2  
39 44.9 46.8 70.2#



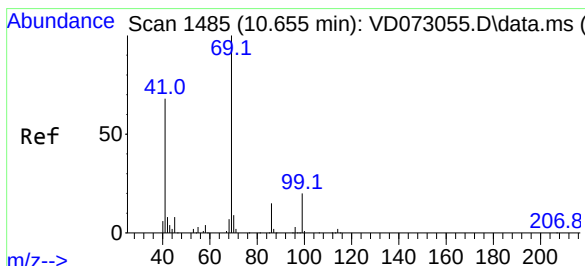
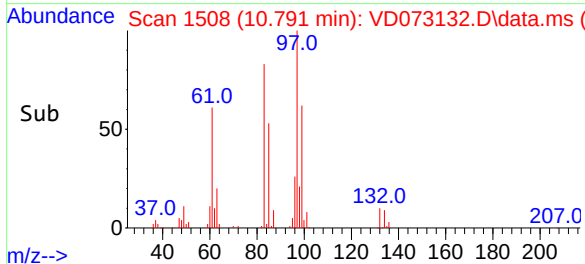
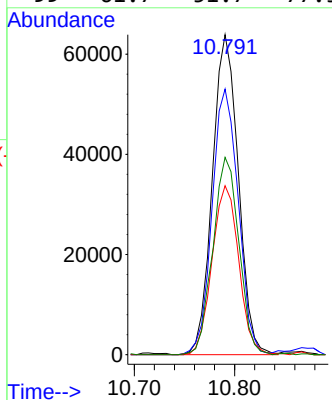
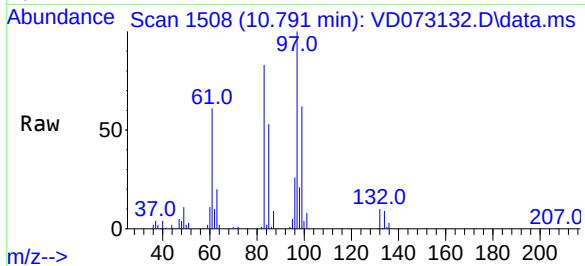


#55  
1,1,2-Trichloroethane  
Concen: 62.886 ug/l  
RT: 10.791 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 114578

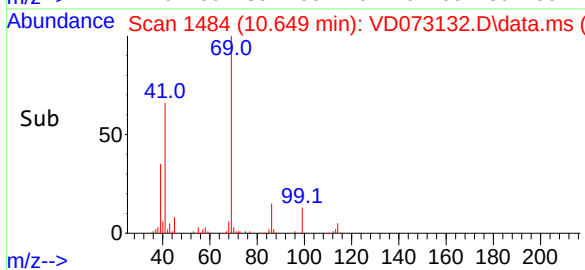
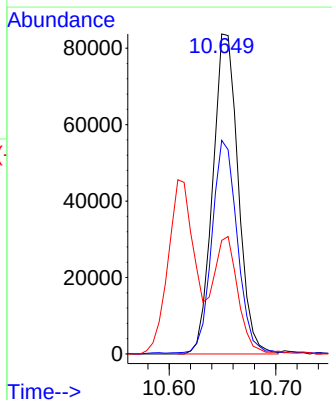
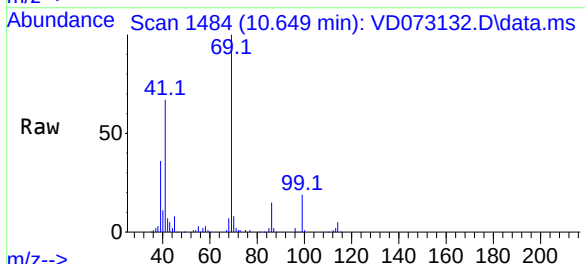
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 83.0  | 69.0  | 103.4 |
| 85  | 52.8  | 42.6  | 63.8  |
| 99  | 61.7  | 51.7  | 77.5  |



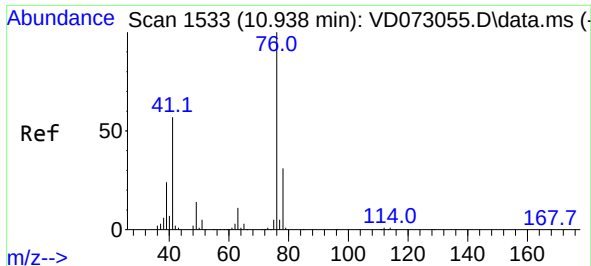
#56  
Ethyl methacrylate  
Concen: 67.374 ug/l  
RT: 10.649 min Scan# 1484  
Delta R.T. -0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 69 Resp: 138829

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 66.1  | 63.0  | 94.6  |
| 39  | 34.9  | 33.8  | 50.8  |







#57

1,3-Dichloropropane

Concen: 62.088 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VD073132.D

Acq: 19 May 2022 08:31

Instrument :

MSVOA\_D

ClientSampleId :

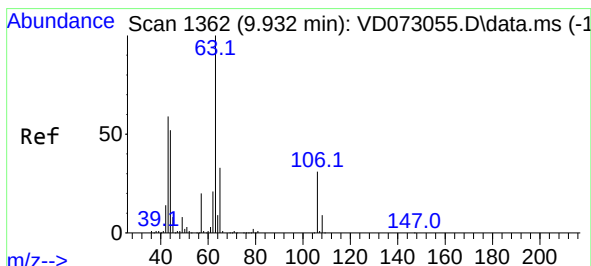
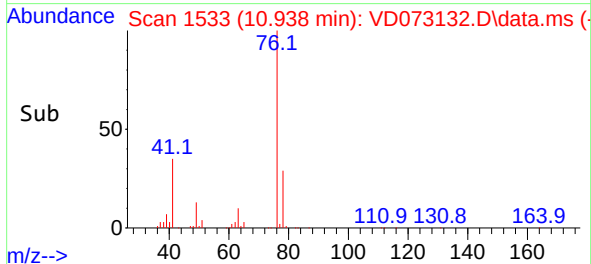
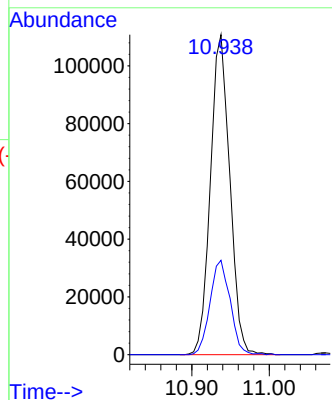
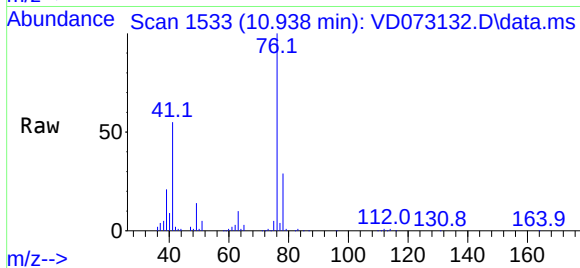
VSTDCCC050EC

Tgt Ion: 76 Resp: 192486

Ion Ratio Lower Upper

76 100

78 30.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 346.079 ug/l

RT: 9.932 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VD073132.D

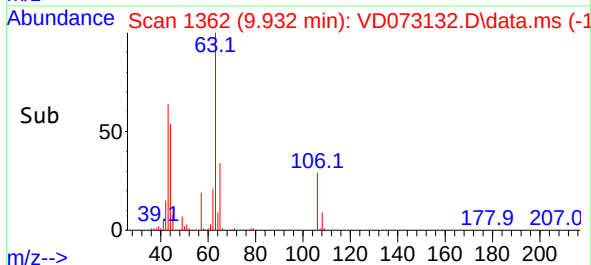
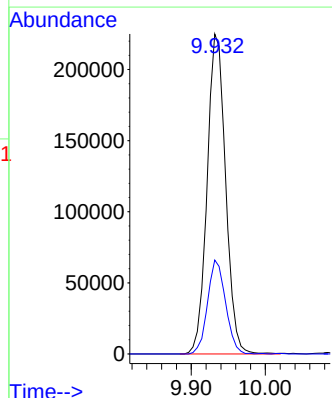
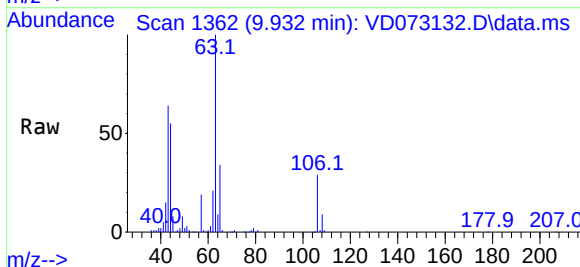
Acq: 19 May 2022 08:31

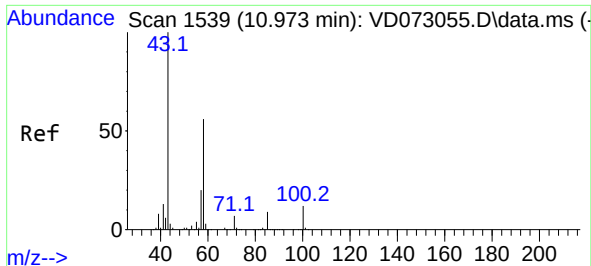
Tgt Ion: 63 Resp: 390378

Ion Ratio Lower Upper

63 100

106 28.7 21.4 32.0

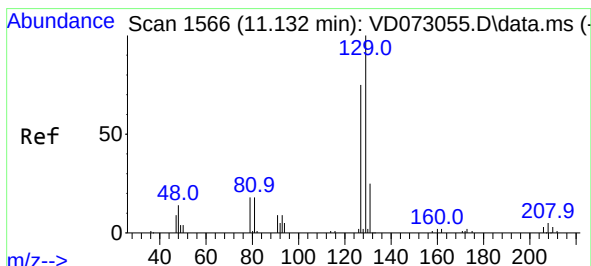
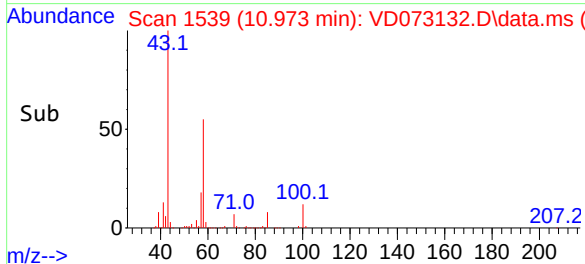
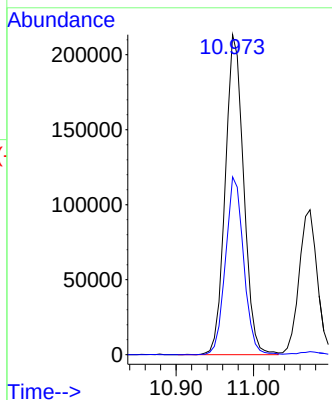
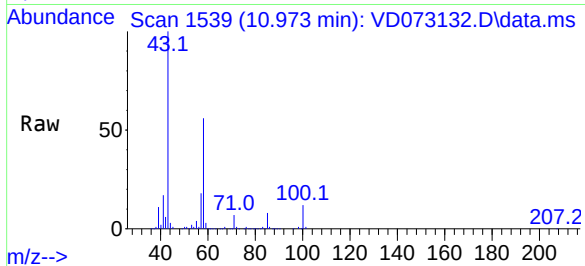




#59  
2-Hexanone  
Concen: 402.758 ug/l  
RT: 10.973 min Scan# 1539  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

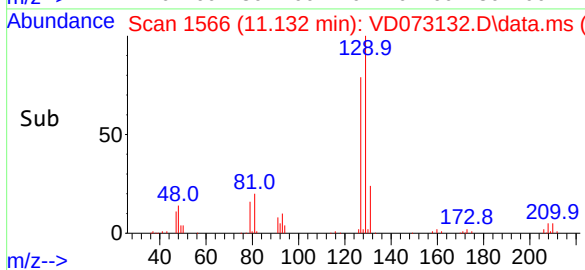
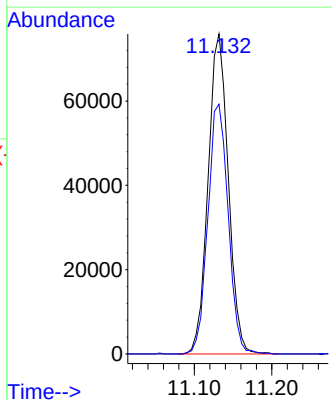
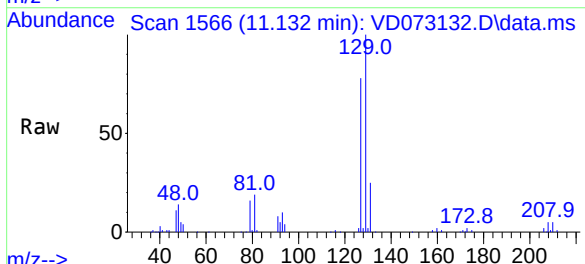
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MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

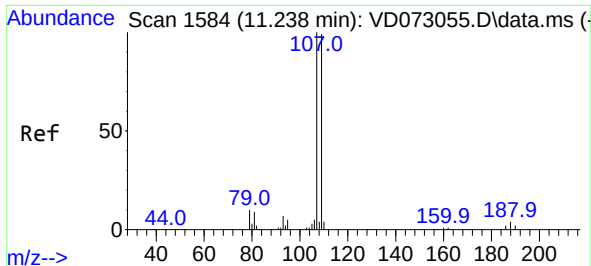
Tgt Ion: 43 Resp: 352456  
Ion Ratio Lower Upper  
43 100  
58 54.8 25.3 75.9



#60  
Dibromochloromethane  
Concen: 60.762 ug/l  
RT: 11.132 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 129 Resp: 137543  
Ion Ratio Lower Upper  
129 100  
127 78.7 39.2 117.6

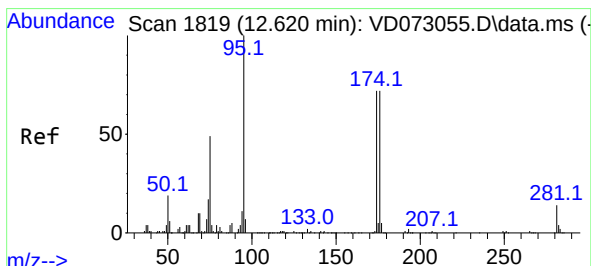
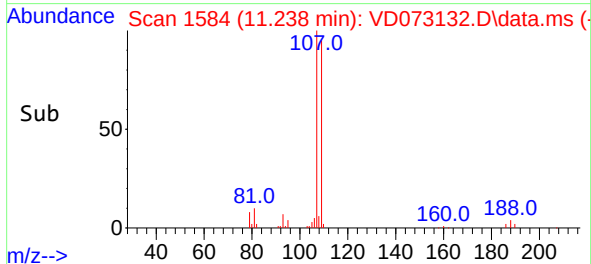
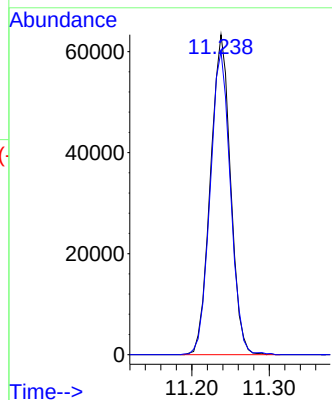
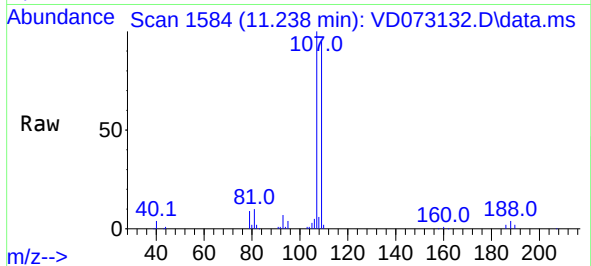




#61  
1,2-Dibromoethane  
Concen: 64.933 ug/l  
RT: 11.238 min Scan# 11584  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

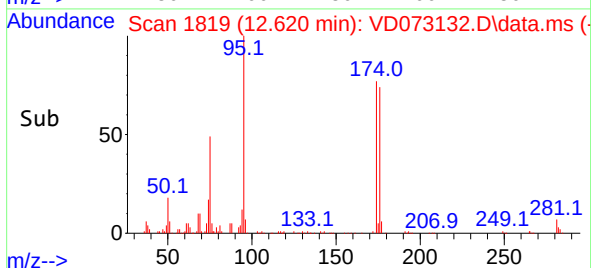
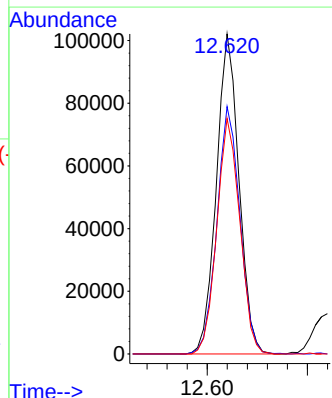
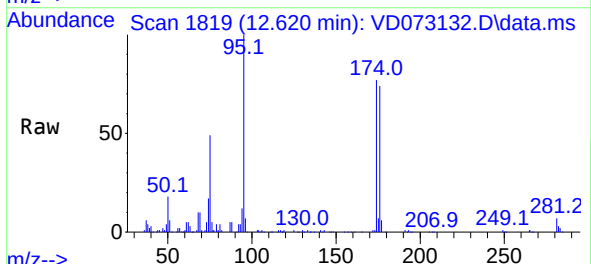
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

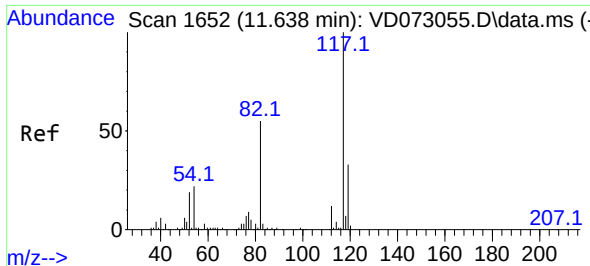
Tgt Ion:107 Resp: 113843  
Ion Ratio Lower Upper  
107 100  
109 95.6 74.2 111.4



#62  
4-Bromofluorobenzene  
Concen: 60.918 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 95 Resp: 159708  
Ion Ratio Lower Upper  
95 100  
174 78.7 0.0 152.8  
176 74.7 0.0 145.4

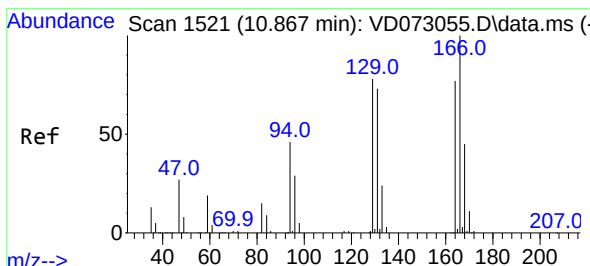
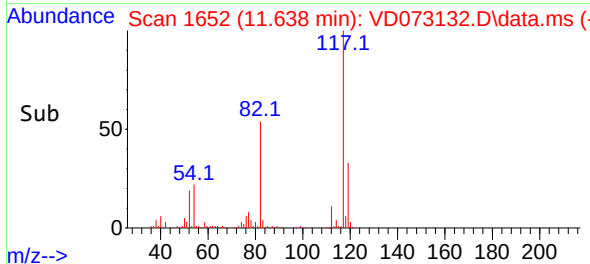
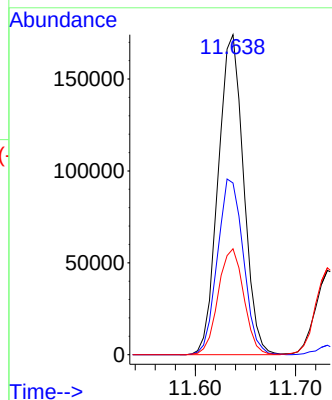
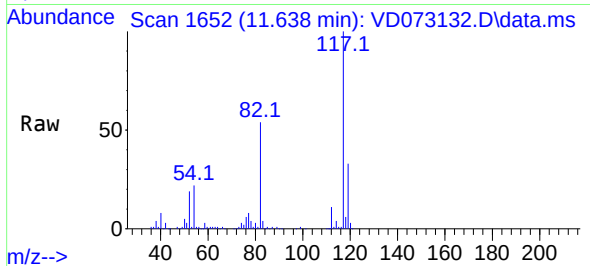




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

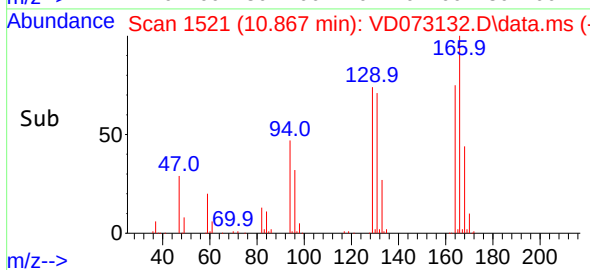
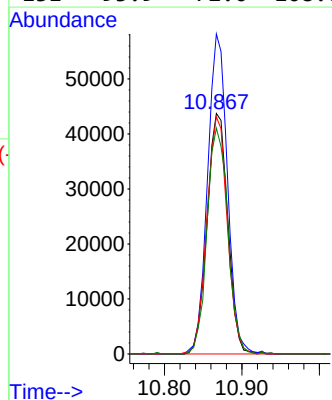
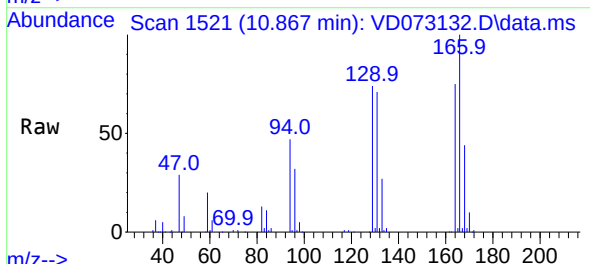
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

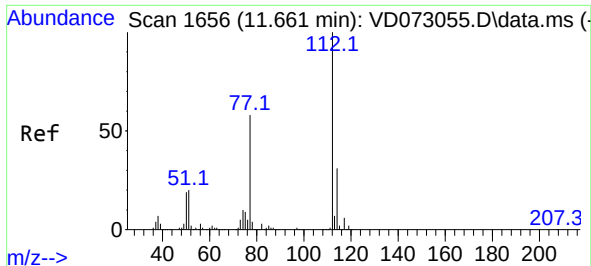
Tgt Ion:117 Resp: 306150  
Ion Ratio Lower Upper  
117 100  
82 53.6 45.3 67.9  
119 33.1 26.6 40.0



#64  
Tetrachloroethene  
Concen: 36.171 ug/l  
RT: 10.867 min Scan# 1521  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion:164 Resp: 81131  
Ion Ratio Lower Upper  
164 100  
166 133.1 98.5 147.7  
129 98.6 74.6 111.8  
131 93.9 72.0 108.0

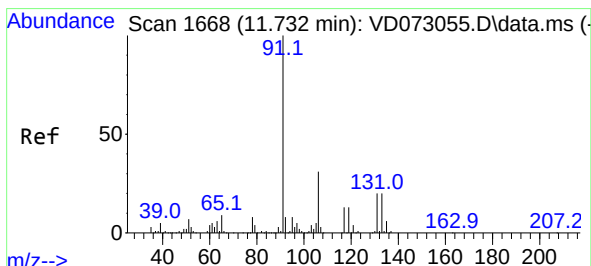
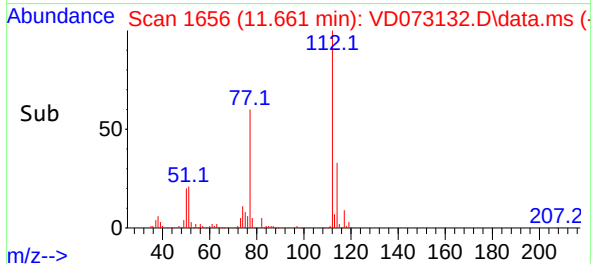
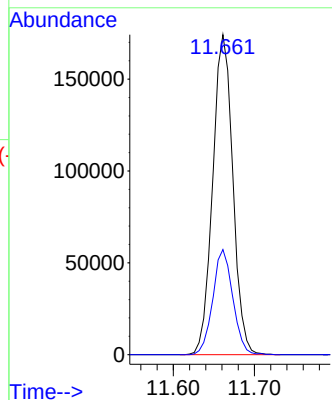
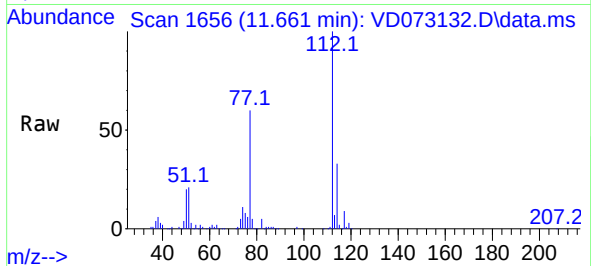




#65  
Chlorobenzene  
Concen: 43.260 ug/l  
RT: 11.661 min Scan# 1656  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

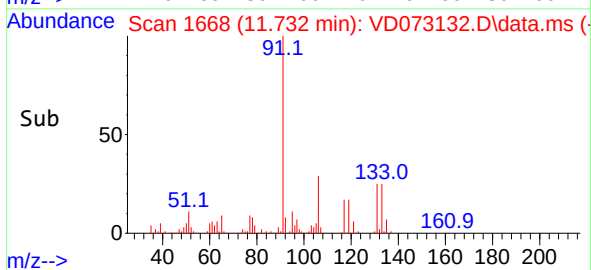
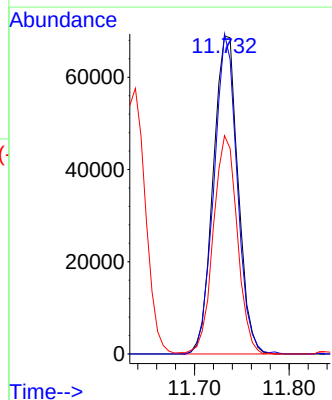
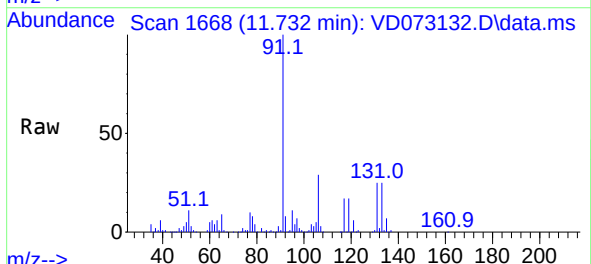
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

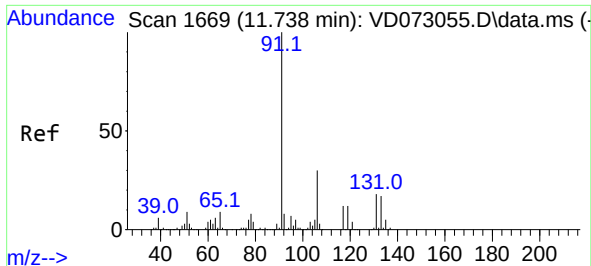
Tgt Ion:112 Resp: 300299  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 47.320 ug/l  
RT: 11.732 min Scan# 1668  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion:131 Resp: 125480  
Ion Ratio Lower Upper  
131 100  
133 94.5 48.1 144.3  
119 66.4 31.9 95.9

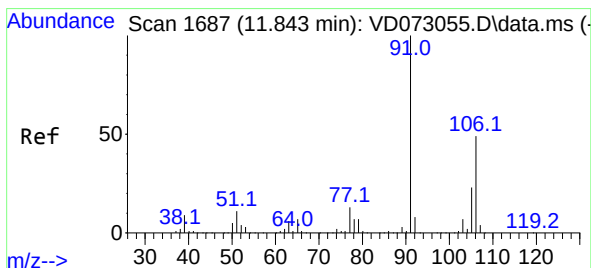
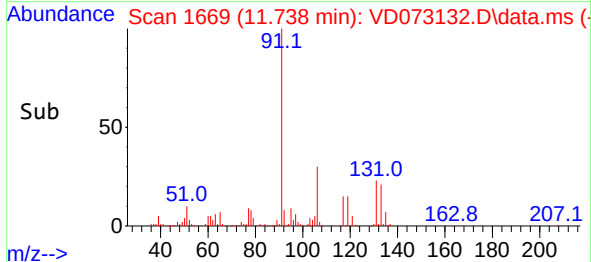
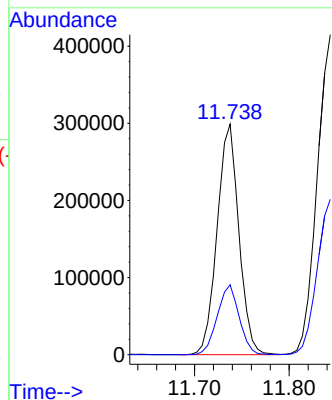
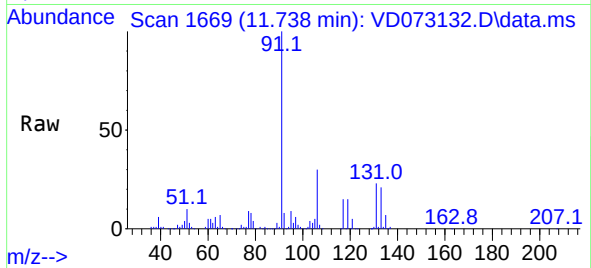




#67  
Ethyl Benzene  
Concen: 39.493 ug/l  
RT: 11.738 min Scan# 1669  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

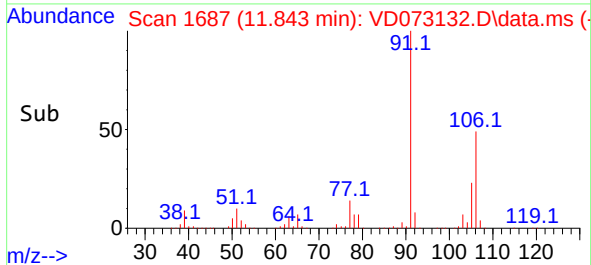
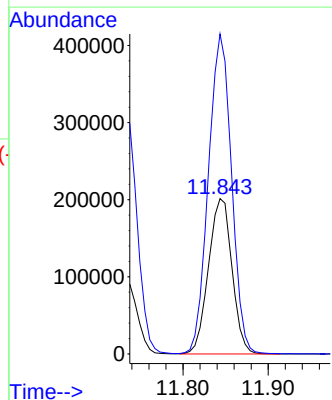
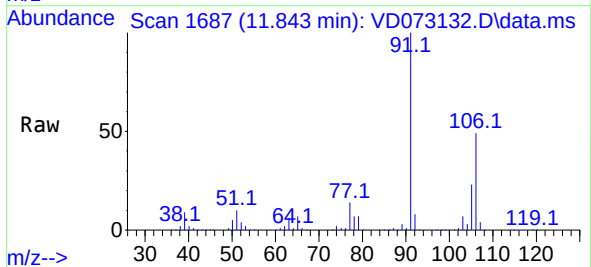
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

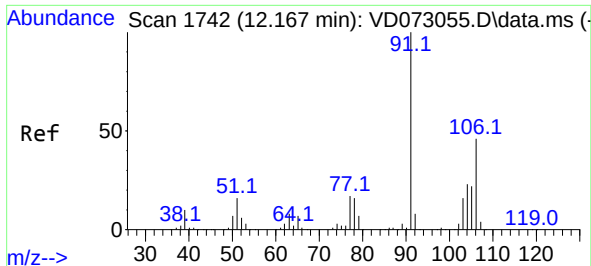
Tgt Ion: 91 Resp: 477336  
Ion Ratio Lower Upper  
91 100  
106 30.3 24.2 36.4



#68  
m/p-Xylenes  
Concen: 82.416 ug/l  
RT: 11.843 min Scan# 1687  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 106 Resp: 386069  
Ion Ratio Lower Upper  
106 100  
91 203.0 163.7 245.5

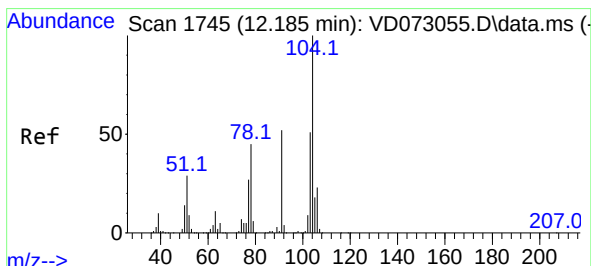
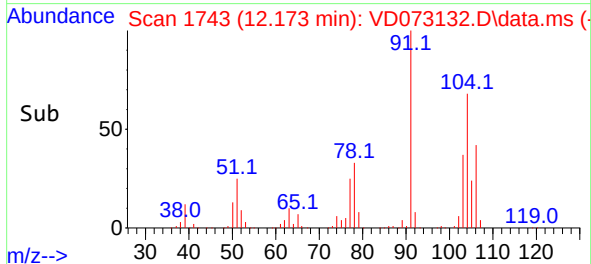
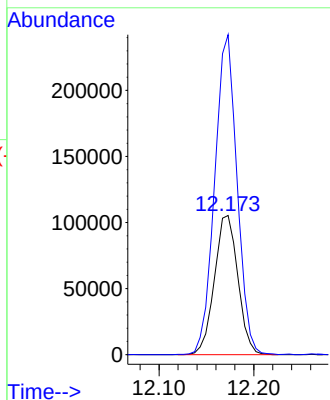
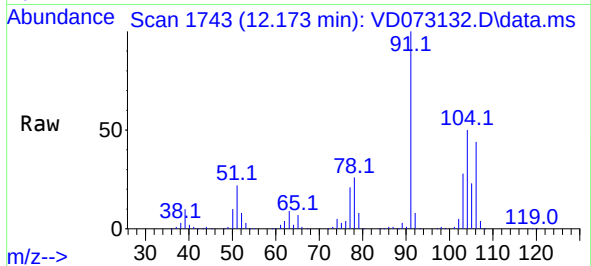




#69  
o-Xylene  
Concen: 42.003 ug/l  
RT: 12.173 min Scan# 1743  
Delta R.T. 0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

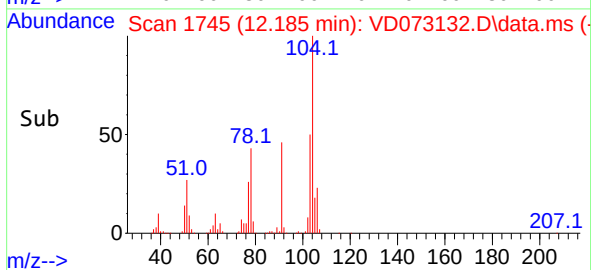
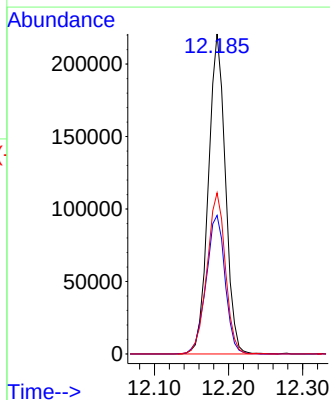
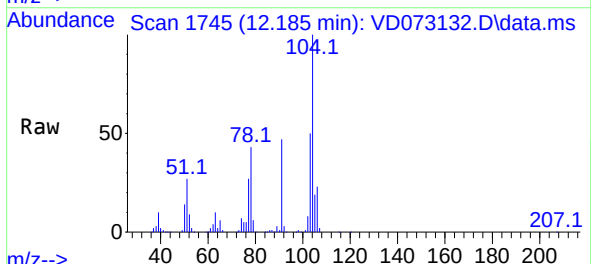
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

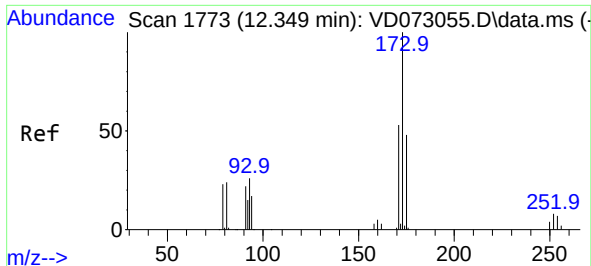
Tgt Ion:106 Resp: 181449  
Ion Ratio Lower Upper  
106 100  
91 219.4 110.4 331.2



#70  
Styrene  
Concen: 46.632 ug/l  
RT: 12.185 min Scan# 1745  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion:104 Resp: 351853  
Ion Ratio Lower Upper  
104 100  
78 48.2 41.8 62.8  
103 54.1 44.2 66.4

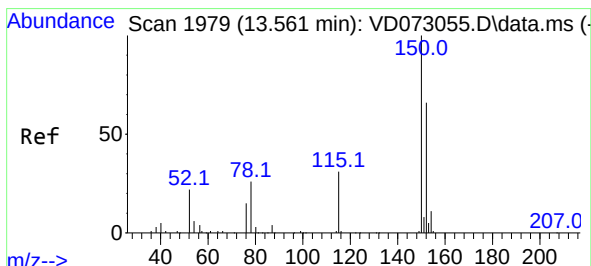
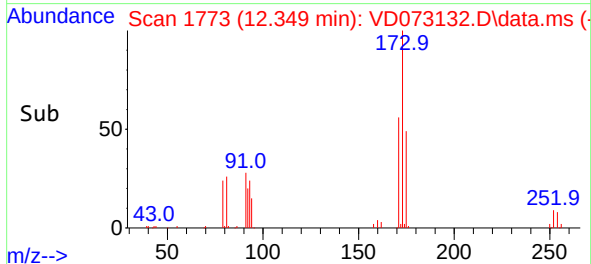
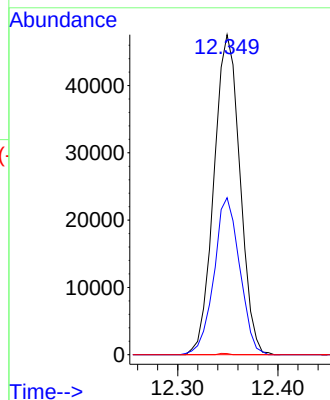
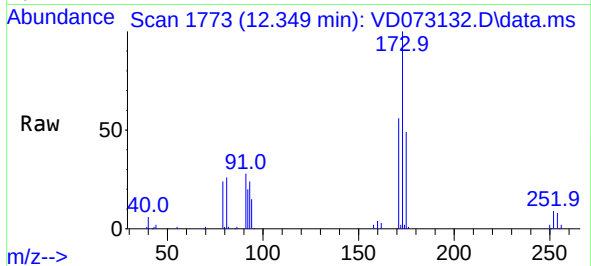




#71  
Bromoform  
Concen: 61.386 ug/l  
RT: 12.349 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

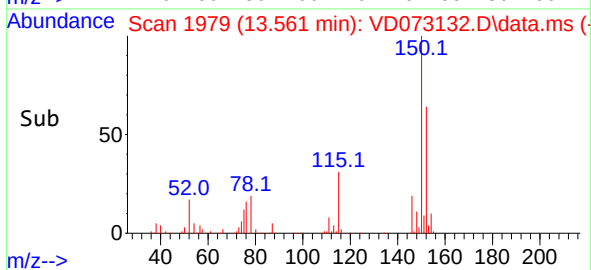
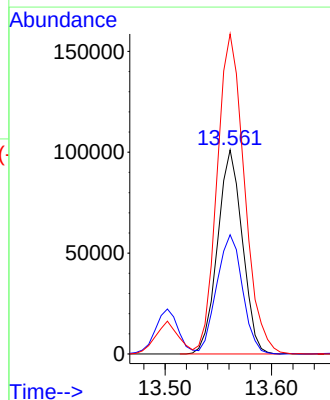
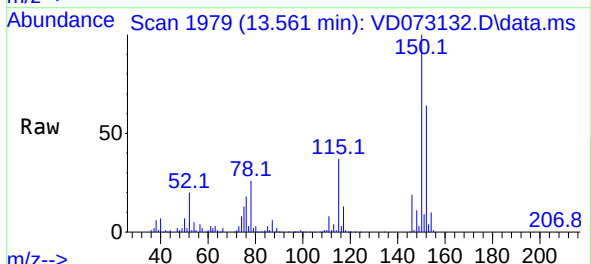
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:173 Resp: 85703  
Ion Ratio Lower Upper  
173 100  
175 48.4 23.9 71.8  
254 0.1 0.0 0.0#

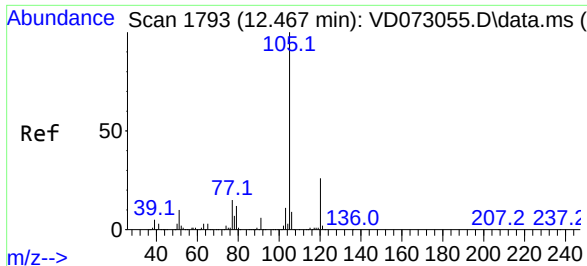


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion:152 Resp: 163665  
Ion Ratio Lower Upper  
152 100  
115 60.6 31.3 93.8  
150 172.6 0.0 348.6



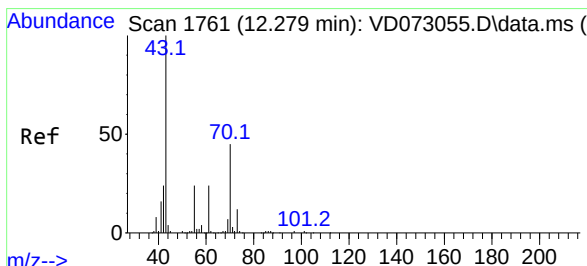
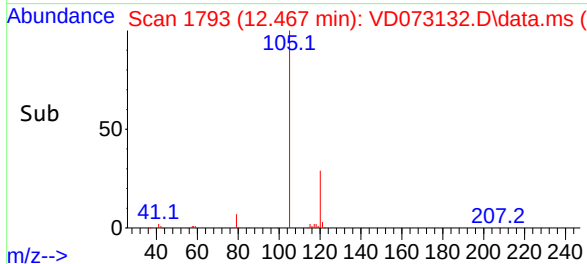
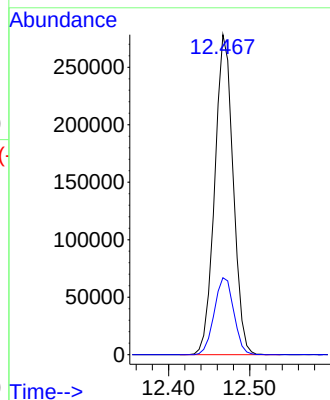
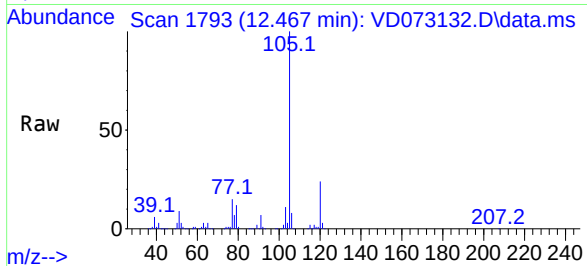




#73  
Isopropylbenzene  
Concen: 35.386 ug/l  
RT: 12.467 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

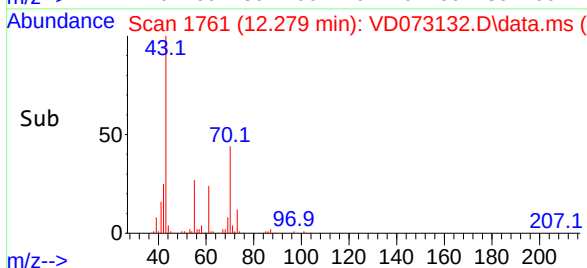
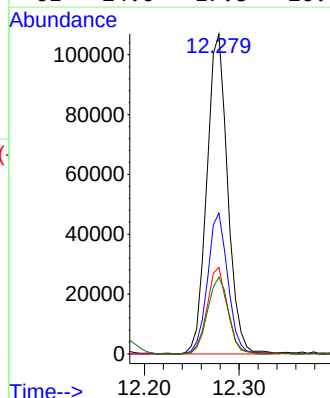
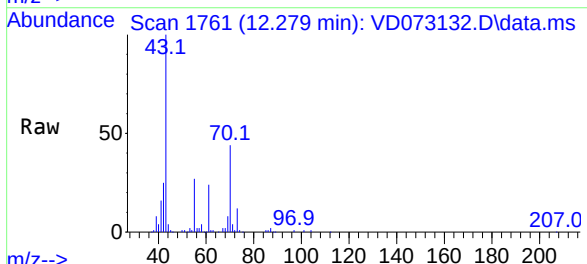
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

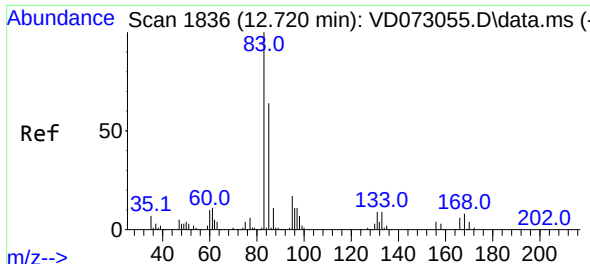
Tgt Ion:105 Resp: 438985  
Ion Ratio Lower Upper  
105 100  
120 25.5 13.0 38.9



#74  
N-ethyl acetate  
Concen: 56.519 ug/l  
RT: 12.279 min Scan# 1761  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 43 Resp: 163859  
Ion Ratio Lower Upper  
43 100  
70 43.1 31.3 46.9  
55 26.8 20.0 30.0  
61 24.0 17.8 26.8

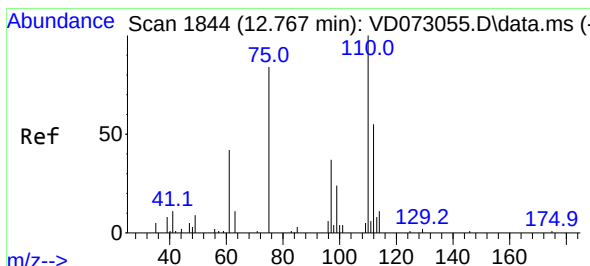
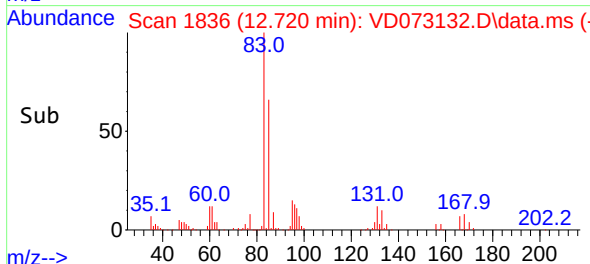
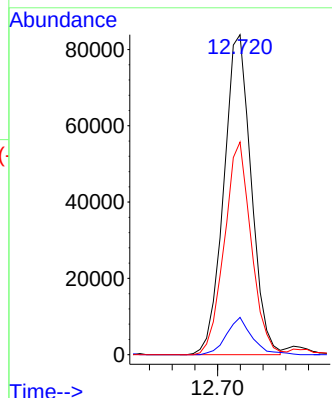
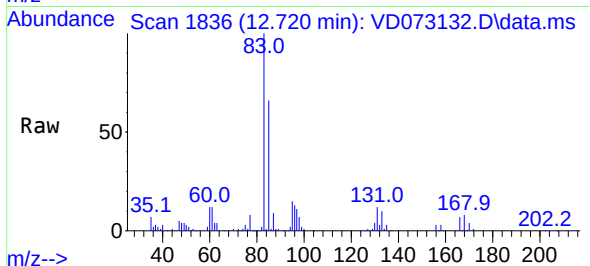




#75  
1,1,2,2-Tetrachloroethane  
Concen: 57.382 ug/l  
RT: 12.720 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

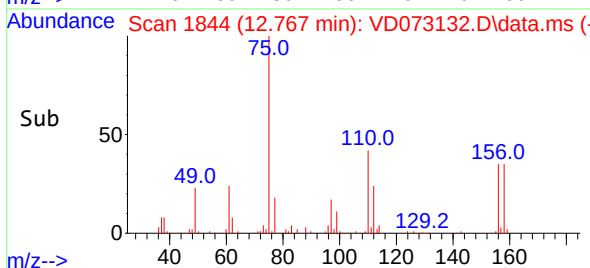
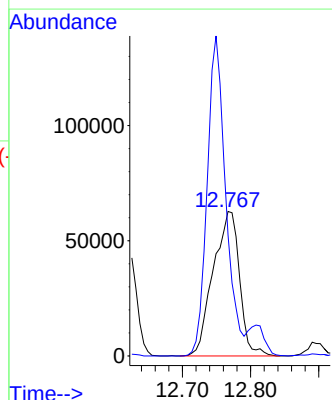
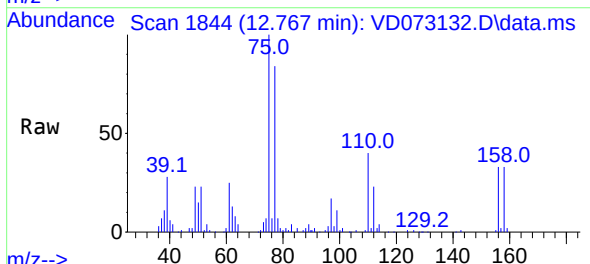
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

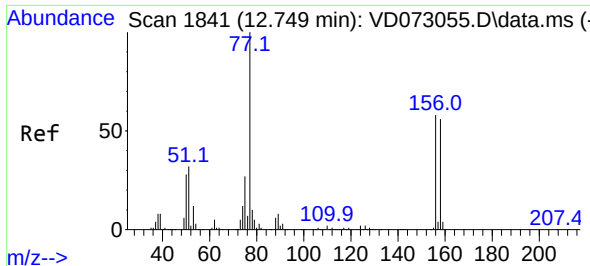
Tgt Ion: 83 Resp: 140340  
Ion Ratio Lower Upper  
83 100  
131 10.9 5.0 14.9  
85 65.2 32.6 98.0



#76  
1,2,3-Trichloropropane  
Concen: 91.051 ug/l  
RT: 12.767 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 75 Resp: 168456  
Ion Ratio Lower Upper  
75 100  
77 156.0 0.0 0.0#

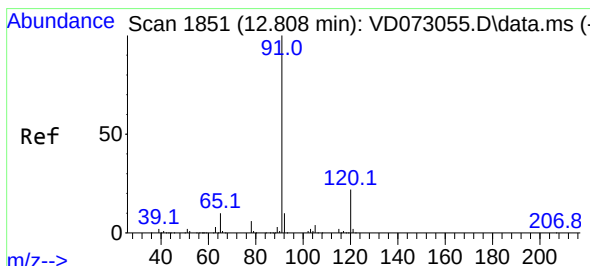
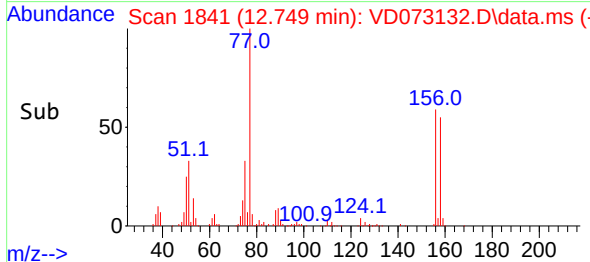
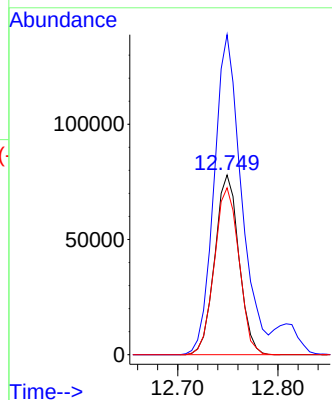
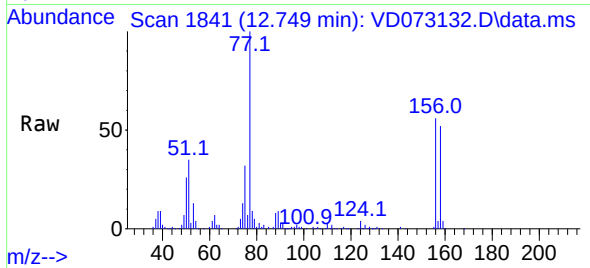




#77  
Bromobenzene  
Concen: 44.073 ug/l  
RT: 12.749 min Scan# 1841  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

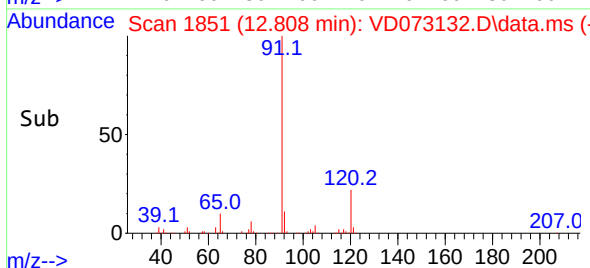
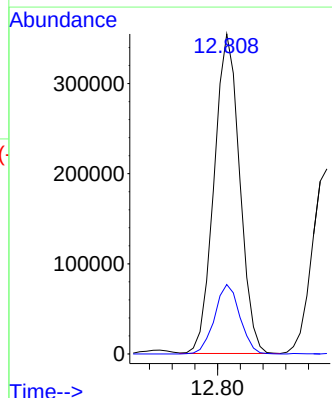
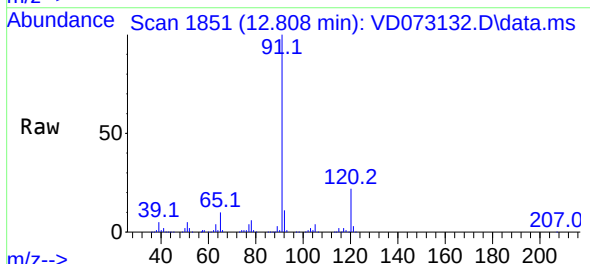
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

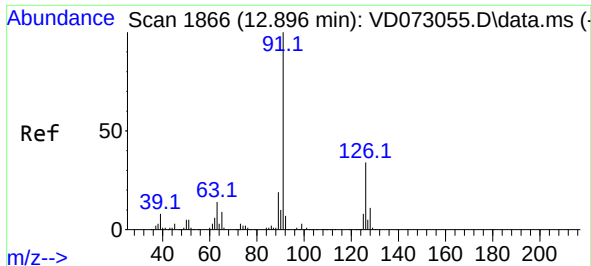
Tgt Ion:156 Resp: 130455  
Ion Ratio Lower Upper  
156 100  
77 201.5 102.8 308.3  
158 95.0 48.7 146.1



#78  
n-propylbenzene  
Concen: 35.608 ug/l  
RT: 12.808 min Scan# 1851  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 91 Resp: 554736  
Ion Ratio Lower Upper  
91 100  
120 21.5 10.9 32.9

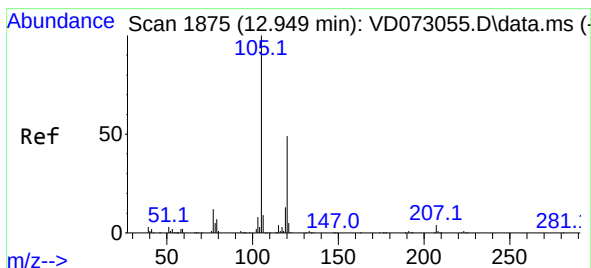
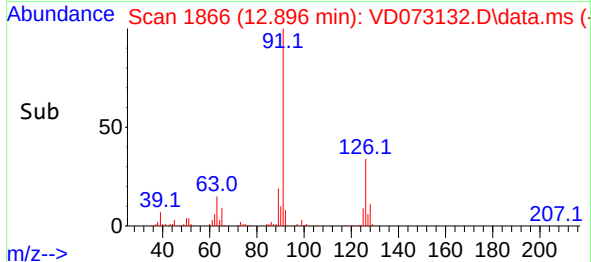
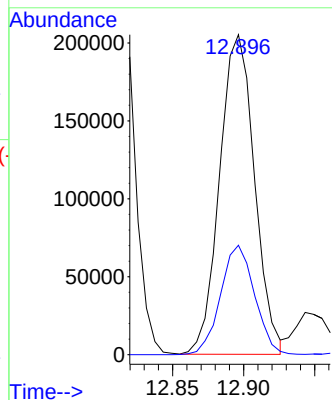
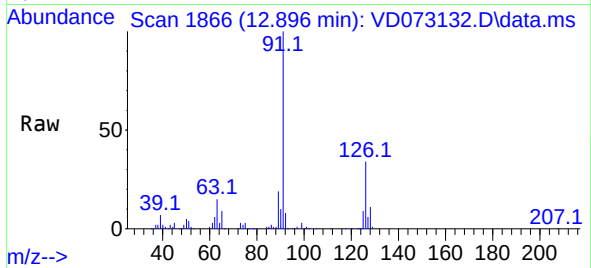




#79  
2-Chlorotoluene  
Concen: 38.647 ug/l  
RT: 12.896 min Scan# 1866  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

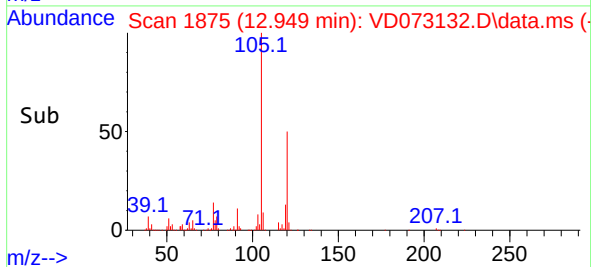
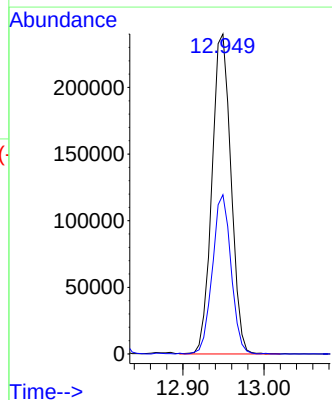
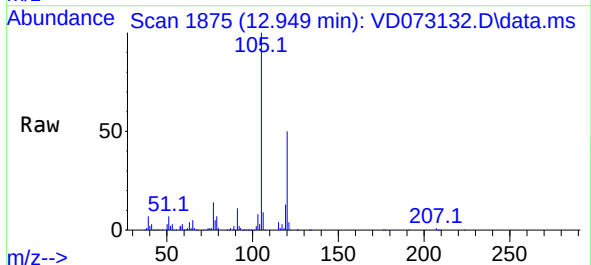
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

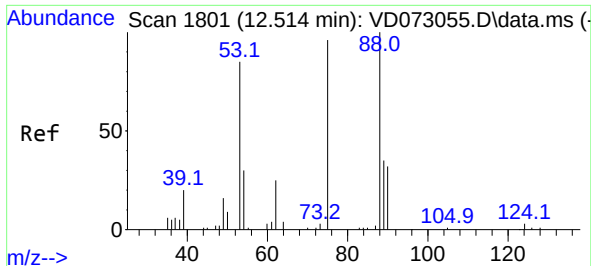
Tgt Ion: 91 Resp: 350744  
Ion Ratio Lower Upper  
91 100  
126 33.4 16.2 48.6



#80  
1,3,5-Trimethylbenzene  
Concen: 37.024 ug/l  
RT: 12.949 min Scan# 1875  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 105 Resp: 391296  
Ion Ratio Lower Upper  
105 100  
120 48.7 24.3 72.8

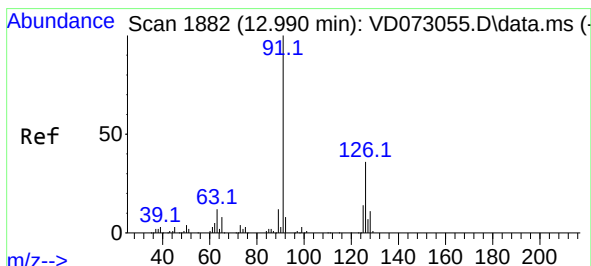
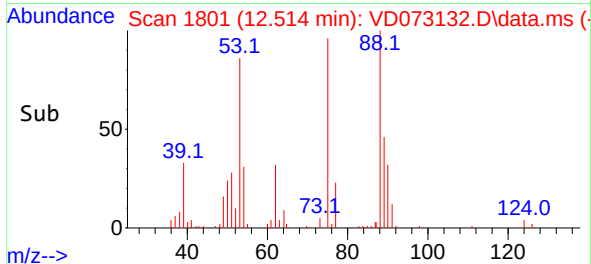
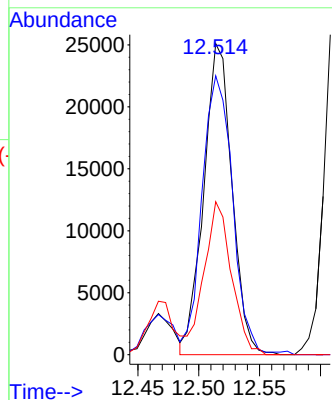
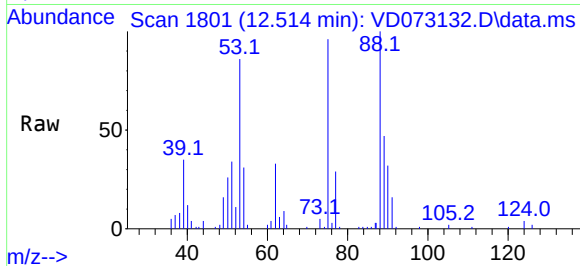




#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.724 ug/l  
RT: 12.514 min Scan# 1801  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

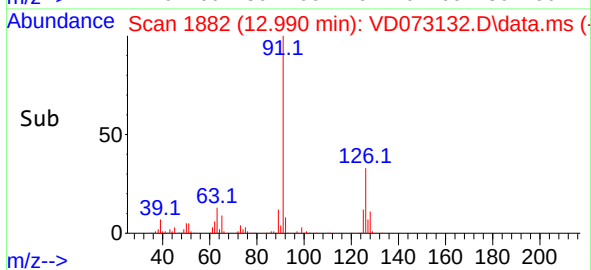
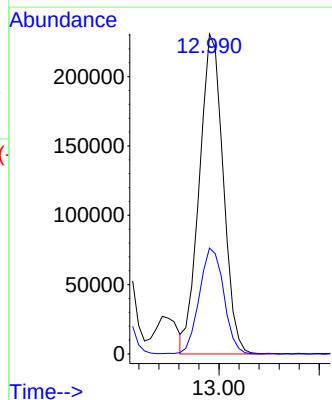
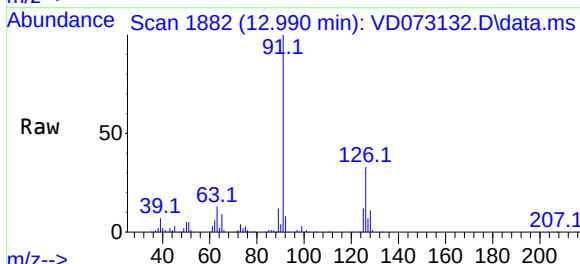
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

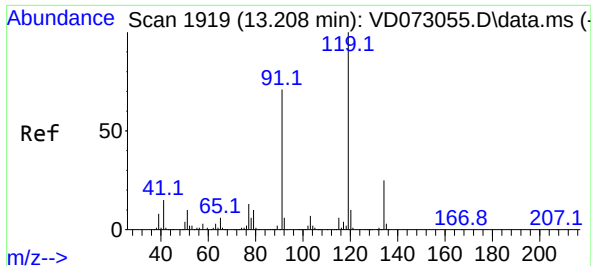
Tgt Ion: 75 Resp: 40682  
Ion Ratio Lower Upper  
75 100  
53 97.0 86.5 129.7  
89 47.1 33.9 50.9



#82  
4-Chlorotoluene  
Concen: 39.761 ug/l  
RT: 12.990 min Scan# 1882  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 91 Resp: 381913  
Ion Ratio Lower Upper  
91 100  
126 33.9 16.5 49.5

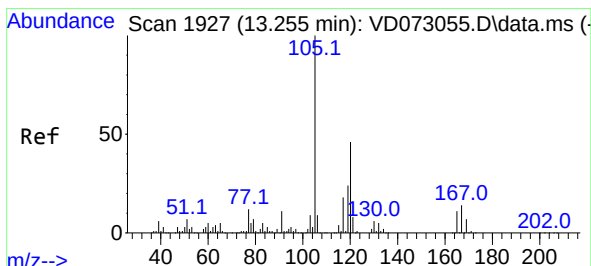
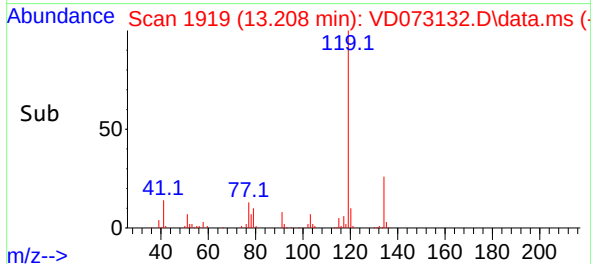
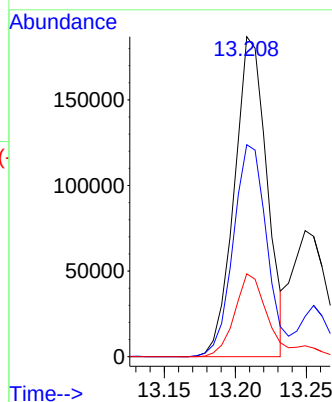
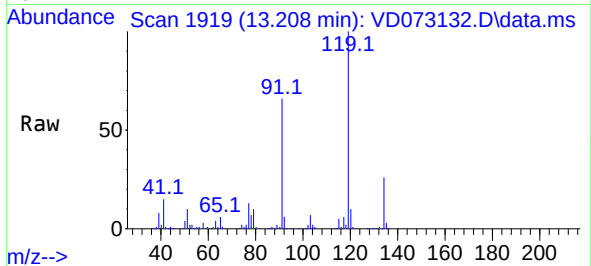




#83  
tert-Butylbenzene  
Concen: 33.349 ug/l  
RT: 13.208 min Scan# 1919  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

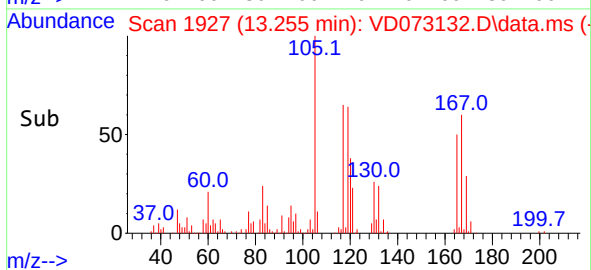
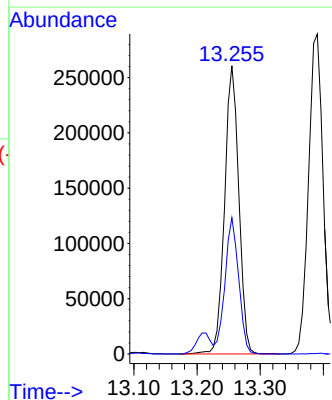
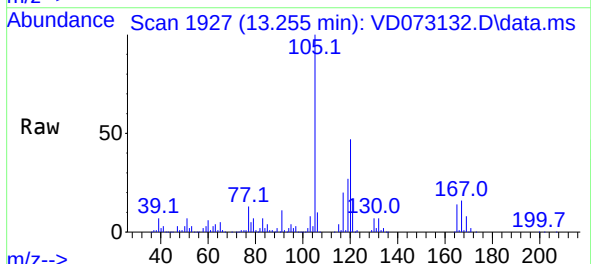
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

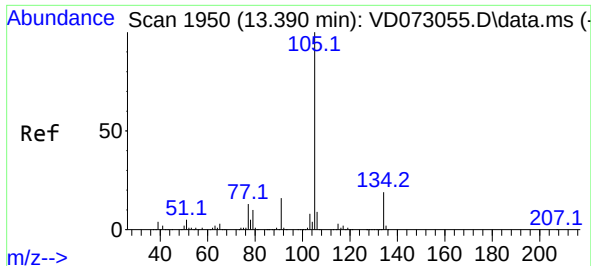
Tgt Ion:119 Resp: 298538  
Ion Ratio Lower Upper  
119 100  
91 68.4 34.8 104.5  
134 27.9 13.3 39.9



#84  
1,2,4-Trimethylbenzene  
Concen: 38.799 ug/l  
RT: 13.255 min Scan# 1927  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion:105 Resp: 407959  
Ion Ratio Lower Upper  
105 100  
120 45.4 22.3 66.8

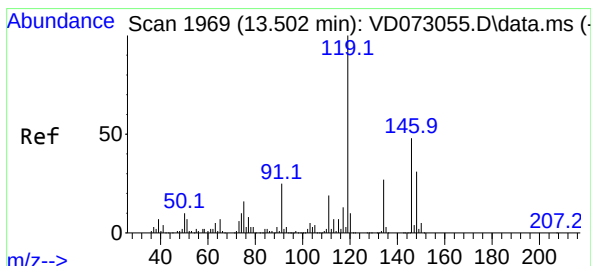
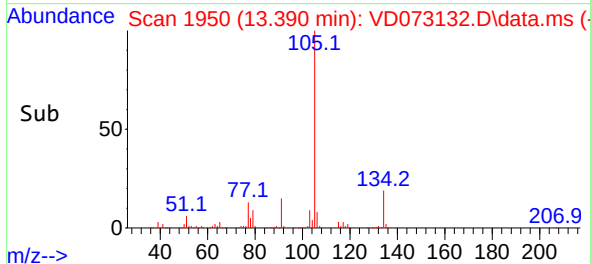
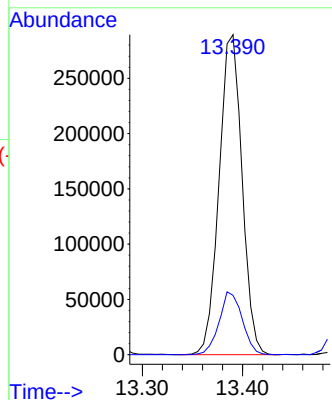
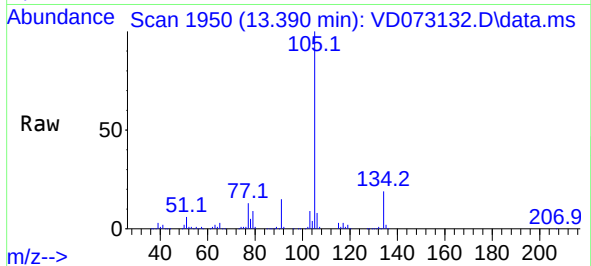




#85  
 sec-Butylbenzene  
 Concen: 33.833 ug/l  
 RT: 13.390 min Scan# 1950  
 Delta R.T. -0.000 min  
 Lab File: VD073132.D  
 Acq: 19 May 2022 08:31

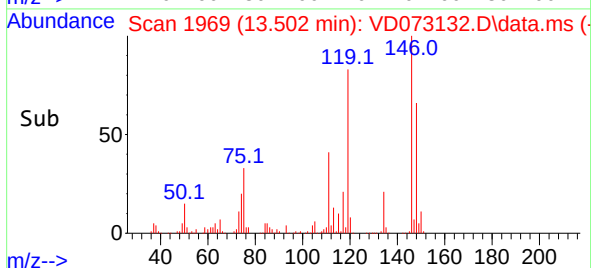
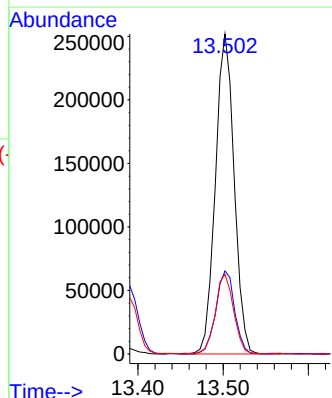
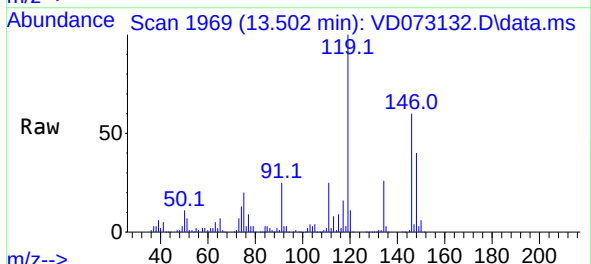
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

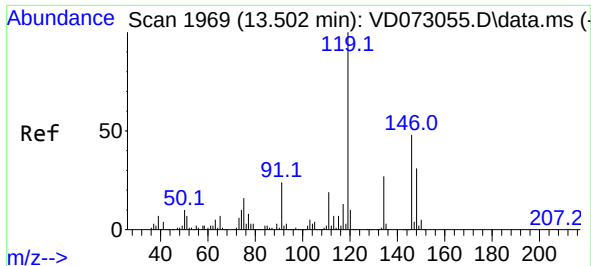
Tgt Ion:105 Resp: 459732  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 34.873 ug/l  
 RT: 13.502 min Scan# 1969  
 Delta R.T. -0.000 min  
 Lab File: VD073132.D  
 Acq: 19 May 2022 08:31

Tgt Ion:119 Resp: 385442  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 12.9 38.6  
 91 24.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 40.513 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD073132.D

Acq: 19 May 2022 08:31

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

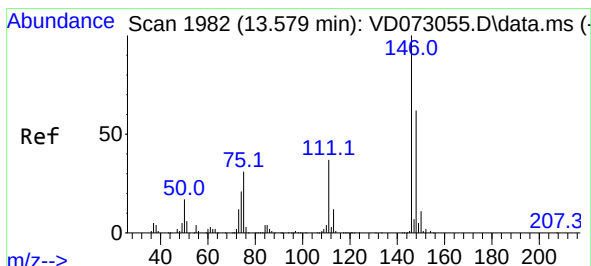
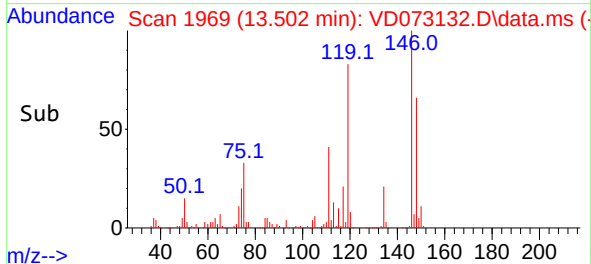
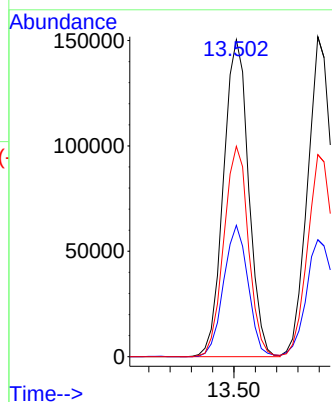
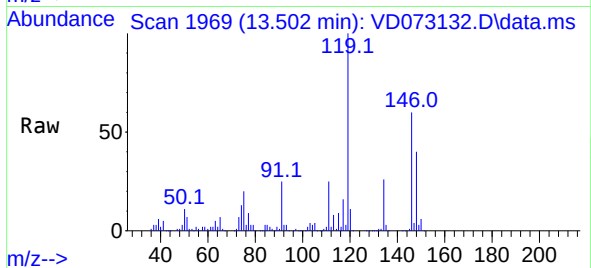
Tgt Ion:146 Resp: 246470

Ion Ratio Lower Upper

146 100

111 40.5 20.4 61.3

148 65.0 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 41.009 ug/l

RT: 13.579 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VD073132.D

Acq: 19 May 2022 08:31

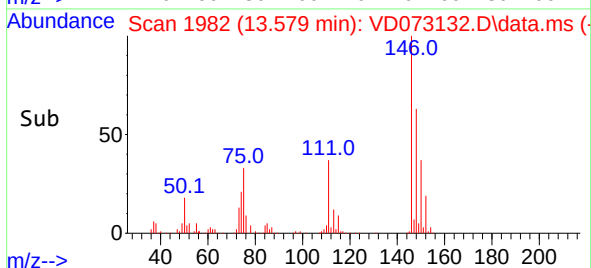
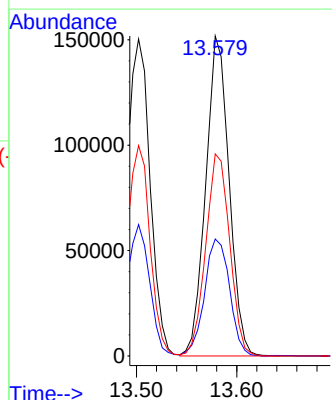
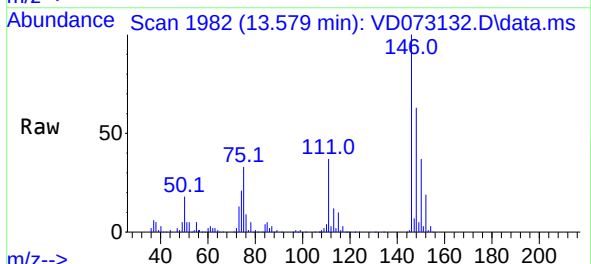
Tgt Ion:146 Resp: 246544

Ion Ratio Lower Upper

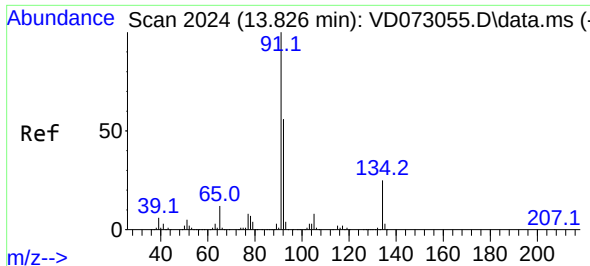
146 100

111 39.2 20.3 60.9

148 64.8 31.7 95.1



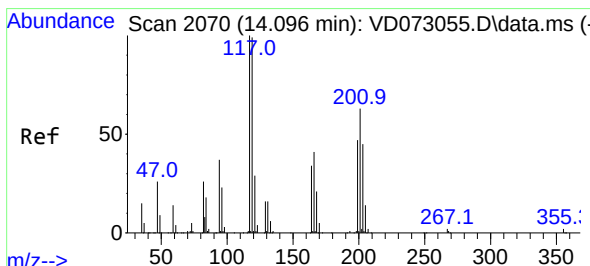
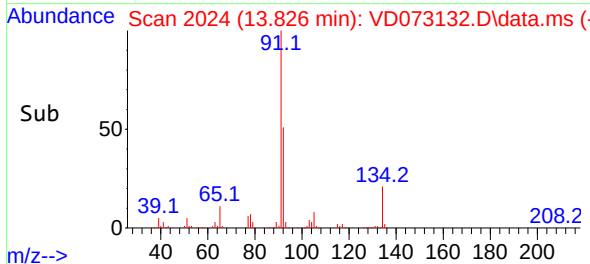
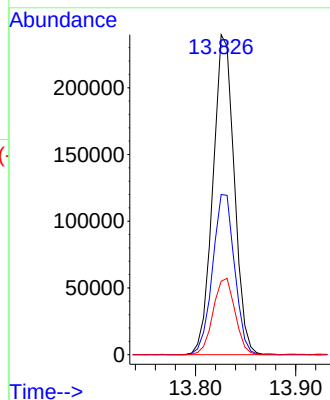
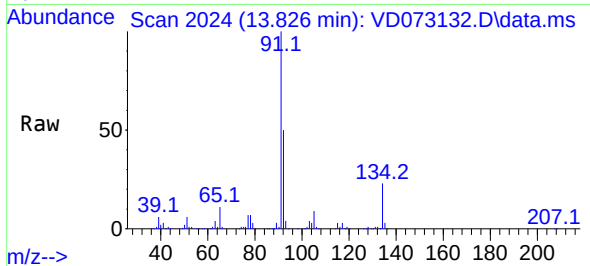




#89  
n-Butylbenzene  
Concen: 32.863 ug/l  
RT: 13.826 min Scan# 2024  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

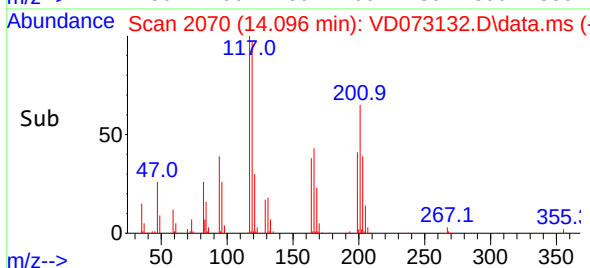
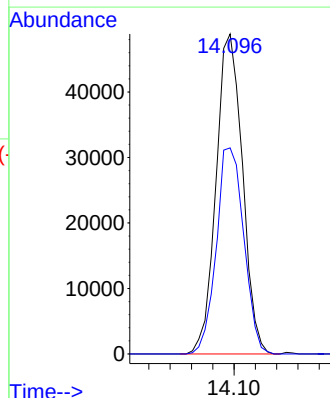
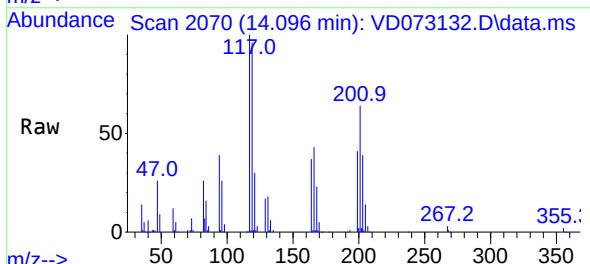
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

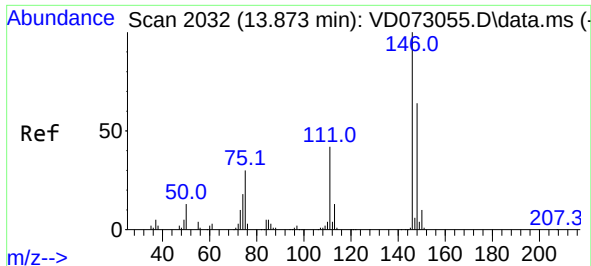
Tgt Ion: 91 Resp: 353241  
Ion Ratio Lower Upper  
91 100  
92 51.8 26.6 79.8  
134 24.5 12.3 36.9



#90  
Hexachloroethane  
Concen: 36.585 ug/l  
RT: 14.096 min Scan# 2070  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 117 Resp: 84022  
Ion Ratio Lower Upper  
117 100  
201 67.0 33.4 100.2

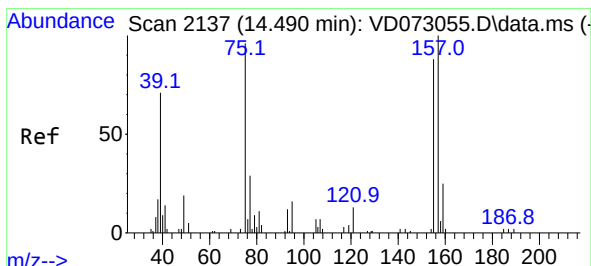
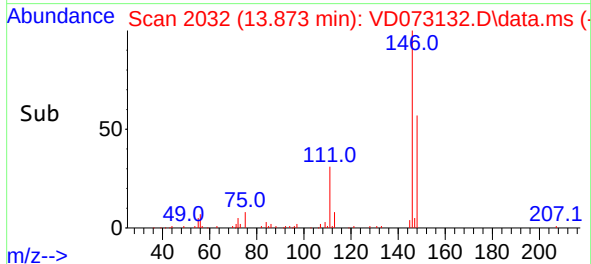
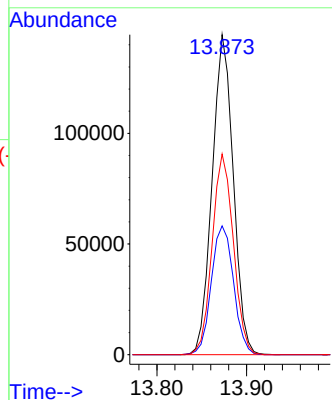
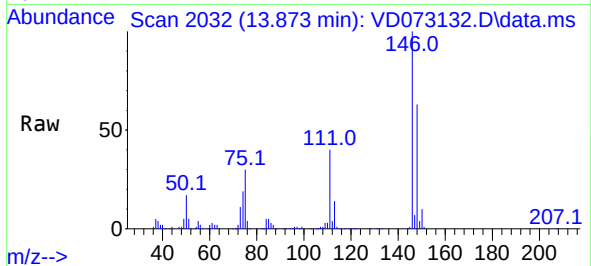




#91  
1,2-Dichlorobenzene  
Concen: 44.798 ug/l  
RT: 13.873 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

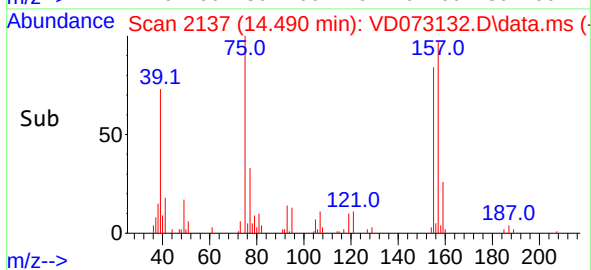
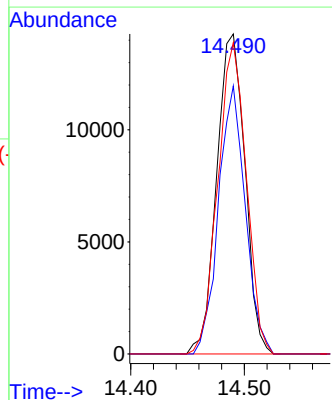
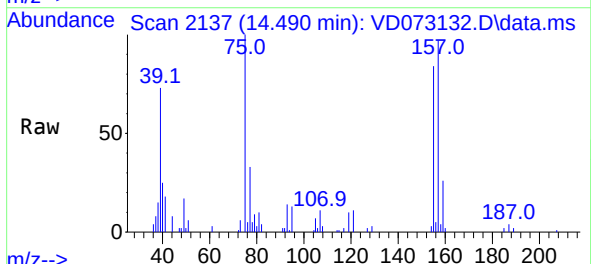
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

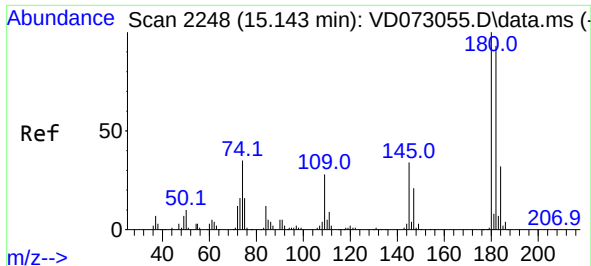
Tgt Ion:146 Resp: 236383  
Ion Ratio Lower Upper  
146 100  
111 42.4 21.1 63.3  
148 63.1 31.7 95.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 64.774 ug/l  
RT: 14.490 min Scan# 2137  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion: 75 Resp: 24624  
Ion Ratio Lower Upper  
75 100  
155 79.7 36.8 110.3  
157 98.2 48.4 145.0

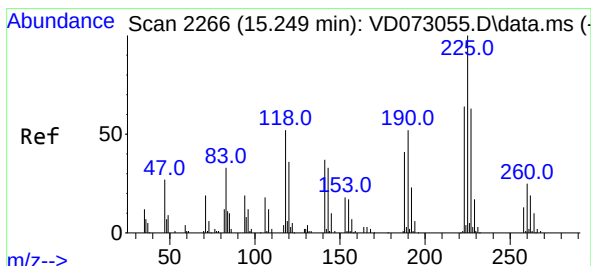
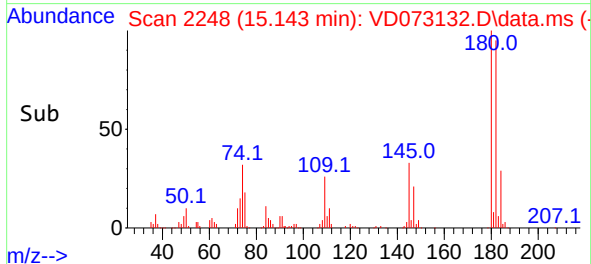
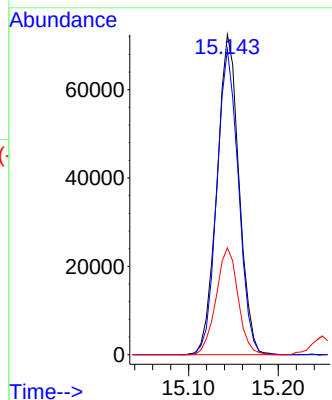
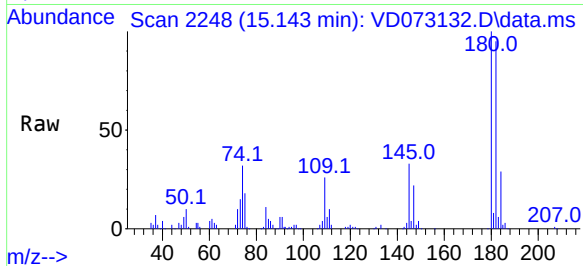




#93  
1,2,4-Trichlorobenzene  
Concen: 41.079 ug/l  
RT: 15.143 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

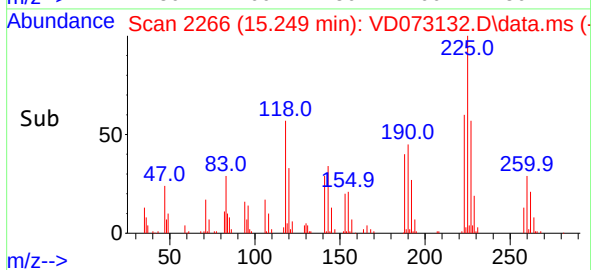
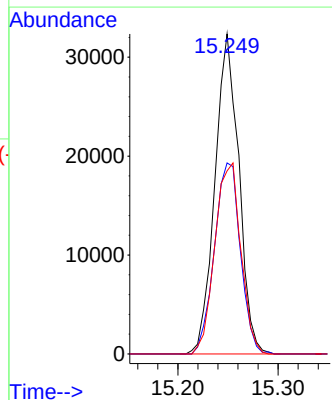
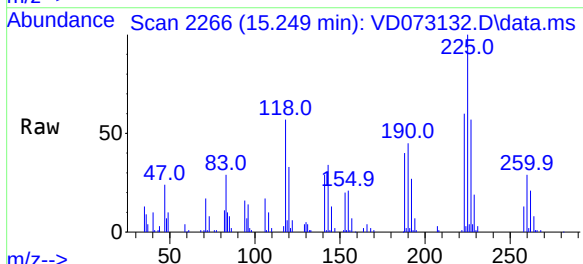
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

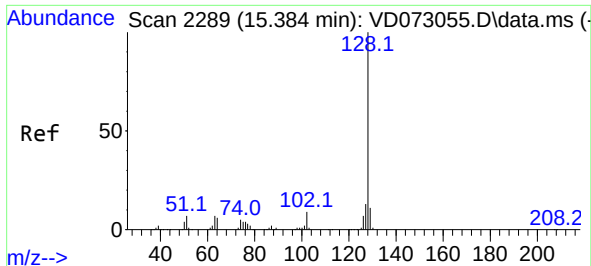
Tgt Ion:180 Resp: 123676  
Ion Ratio Lower Upper  
180 100  
182 93.3 47.3 142.0  
145 33.2 16.2 48.5



#94  
Hexachlorobutadiene  
Concen: 31.875 ug/l  
RT: 15.249 min Scan# 2266  
Delta R.T. -0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Tgt Ion:225 Resp: 53566  
Ion Ratio Lower Upper  
225 100  
223 64.8 31.1 93.2  
227 64.9 32.4 97.0

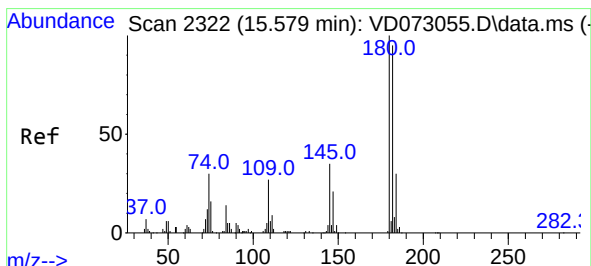
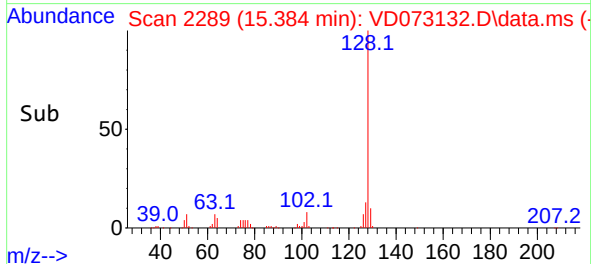
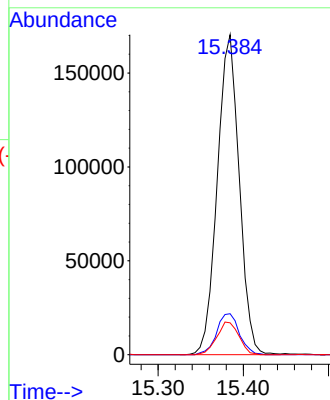
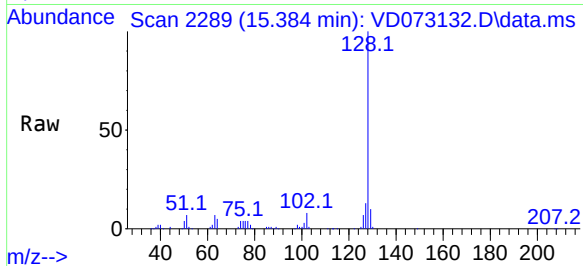




#95  
Naphthalene  
Concen: 47.946 ug/l  
RT: 15.384 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 304505 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.3  | 10.3  | 15.5   |
| 129       | 10.3  | 8.4   | 12.6   |



#96  
1,2,3-Trichlorobenzene  
Concen: 45.000 ug/l  
RT: 15.573 min Scan# 2321  
Delta R.T. -0.006 min  
Lab File: VD073132.D  
Acq: 19 May 2022 08:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 120283 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.5  | 47.6  | 142.9  |
| 145       | 33.7  | 17.1  | 51.3   |

