

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050322\  
 Data File : VD072764.D  
 Acq On : 03 May 2022 13:03  
 Operator : VA/SY  
 Sample : VD0503SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0503SBS01

Quant Time: May 03 16:50:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.973          | 168  | 297693              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861          | 114  | 507583              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638         | 117  | 502359              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561         | 152  | 249470              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 197077              | 51.000  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 102.000% |         |        |          |
| 35) Dibromofluoromethane     | 7.914          | 113  | 190504              | 53.440  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 106.880% |         |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 679953              | 53.174  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 106.340% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 252191              | 52.892  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 105.780% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 91036               | 22.130  | ug/l   | 99       |
| 3) Chloromethane             | 2.209          | 50   | 87657               | 20.490  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.350          | 62   | 81523               | 21.236  | ug/l   | 98       |
| 5) Bromomethane              | 2.756          | 94   | 55678               | 22.737  | ug/l   | 96       |
| 6) Chloroethane              | 2.915          | 64   | 50967               | 21.303  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.268          | 101  | 146544              | 21.800  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.709          | 74   | 38842               | 20.155  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.091          | 101  | 87750               | 21.988  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.297          | 142  | 82651               | 20.636  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.191          | 59   | 52620               | 157.384 | ug/l # | 74       |
| 12) 1,1-Dichloroethene       | 4.068          | 96   | 76116               | 21.204  | ug/l   | 89       |
| 13) Acrolein                 | 3.921          | 56   | 27990               | 111.236 | ug/l   | 98       |
| 14) Allyl chloride           | 4.715          | 41   | 119547              | 20.628  | ug/l   | 94       |
| 15) Acrylonitrile            | 5.415          | 53   | 90383               | 98.684  | ug/l   | 98       |
| 16) Acetone                  | 4.156          | 43   | 70081               | 87.850  | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.409          | 76   | 235203              | 20.839  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.709          | 43   | 45134               | 21.323  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 173316              | 20.140  | ug/l   | 92       |
| 20) Methylene Chloride       | 4.956          | 84   | 114715              | 21.193  | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 5.467          | 96   | 88639               | 21.531  | ug/l   | 88       |
| 22) Diisopropyl ether        | 6.367          | 45   | 274287              | 21.515  | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.303          | 43   | 709757              | 100.781 | ug/l # | 95       |
| 24) 1,1-Dichloroethane       | 6.262          | 63   | 161099              | 21.033  | ug/l   | 99       |
| 25) 2-Butanone               | 7.203          | 43   | 109628              | 97.367  | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 7.209          | 77   | 133980              | 20.691  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.209          | 96   | 102117              | 21.657  | ug/l   | 90       |
| 28) Bromochloromethane       | 7.538          | 49   | 57540               | 20.145  | ug/l   | 84       |
| 29) Tetrahydrofuran          | 7.556          | 42   | 71073               | 99.033  | ug/l   | 95       |
| 30) Chloroform               | 7.709          | 83   | 172677              | 21.306  | ug/l   | 99       |
| 31) Cyclohexane              | 7.979          | 56   | 141654              | 20.970  | ug/l # | 87       |
| 32) 1,1,1-Trichloroethane    | 7.897          | 97   | 148592              | 21.512  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.109          | 75   | 127327              | 21.966  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.291          | 43   | 53044               | 19.906  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 132139              | 21.961  | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.350          | 83   | 141609              | 21.062  | ug/l   | 98       |
| 40) Benzene                  | 8.344          | 78   | 358379              | 21.409  | ug/l   | 98       |

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 Sample : VD0503SBSD01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0503SBSD01

Quant Time: May 03 16:50:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.514  | 41   | 28031    | 17.667  | ug/l # | 87       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 107364   | 21.284  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 100362   | 20.406  | ug/l # | 95       |
| 44) Trichloroethene           | 9.103  | 130  | 94188    | 21.032  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 94428    | 21.480  | ug/l   | 97       |
| 46) Dibromomethane            | 9.467  | 93   | 49837    | 20.552  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.656  | 83   | 131525   | 21.084  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.450  | 41   | 49685    | 20.650  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.456  | 88   | 11432    | 418.646 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 257455   | 100.739 | ug/l   | 94       |
| 52) Toluene                   | 10.397 | 92   | 234649   | 22.472  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 117775   | 20.554  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 142404   | 21.391  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 67525    | 20.598  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 79167    | 20.511  | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 118559   | 21.075  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 176346   | 94.234  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.973 | 43   | 167152   | 97.200  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.132 | 129  | 84402    | 20.452  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 66148    | 20.731  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.867 | 164  | 78985    | 21.505  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.661 | 112  | 247082   | 21.265  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 92690    | 21.227  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.738 | 91   | 426901   | 21.230  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.844 | 106  | 337784   | 43.608  | ug/l   | 99       |
| 69) o-Xylene                  | 12.173 | 106  | 154171   | 21.312  | ug/l   | 96       |
| 70) Styrene                   | 12.185 | 104  | 269407   | 21.494  | ug/l   | 98       |
| 71) Bromoform                 | 12.349 | 173  | 48033    | 20.296  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.467 | 105  | 408041   | 21.023  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.279 | 43   | 97728    | 20.219  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 78048    | 19.920  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 96341    | 34.633  | ug/l # | 100      |
| 77) Bromobenzene              | 12.749 | 156  | 99249    | 21.534  | ug/l   | 94       |
| 78) n-propylbenzene           | 12.808 | 91   | 521906   | 21.335  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.897 | 91   | 298617   | 20.897  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 355485   | 21.600  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 24506    | 20.258  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 12.991 | 91   | 313677   | 21.009  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.208 | 119  | 293449   | 20.972  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 355018   | 21.581  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.385 | 105  | 453566   | 21.493  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 366020   | 21.154  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 196435   | 21.157  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 191608   | 20.723  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.826 | 91   | 354420   | 21.145  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 75409    | 21.274  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 170406   | 21.059  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.491 | 75   | 11616    | 18.703  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 96143    | 20.062  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 53093    | 20.286  | ug/l   | 97       |
| 95) Naphthalene               | 15.385 | 128  | 167435   | 19.003  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 82857    | 19.504  | ug/l   | 97       |

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Operator : VA/SY  
Sample : VD0503SBSD01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

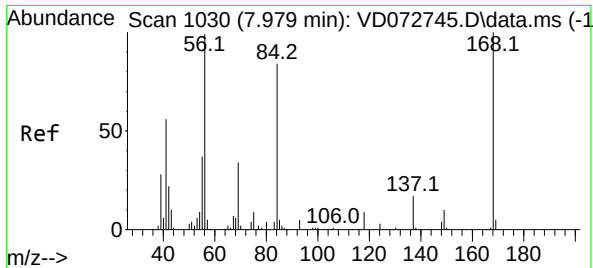
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

Quant Time: May 03 16:50:28 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 03 08:33:49 2022  
Response via : Initial Calibration

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

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

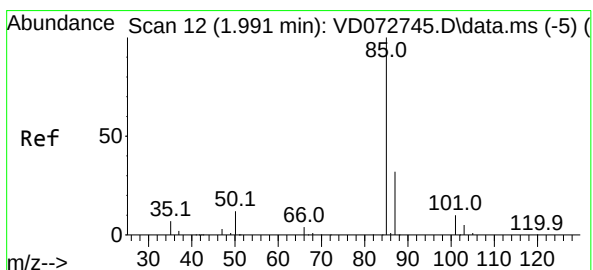
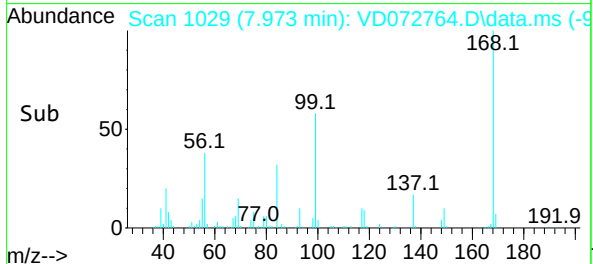
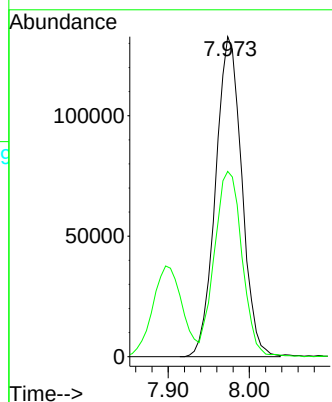
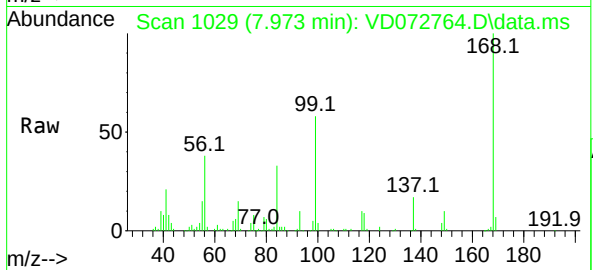




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

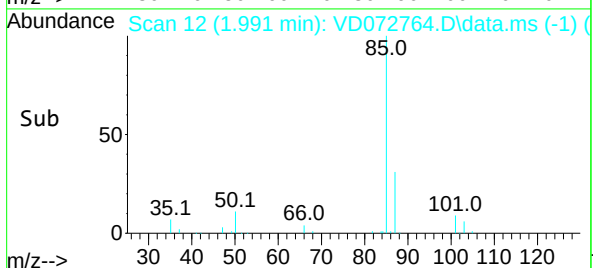
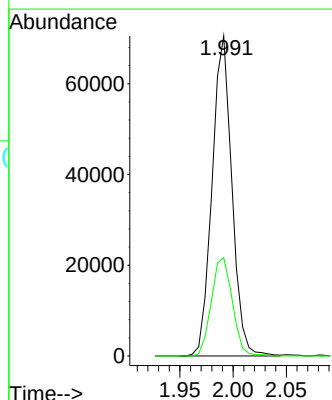
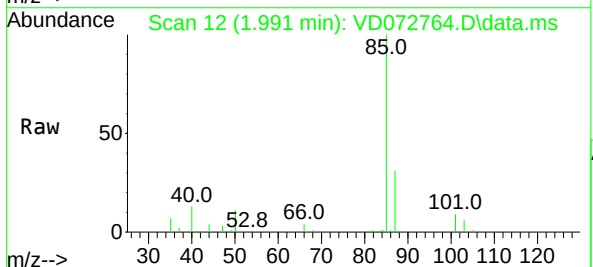
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

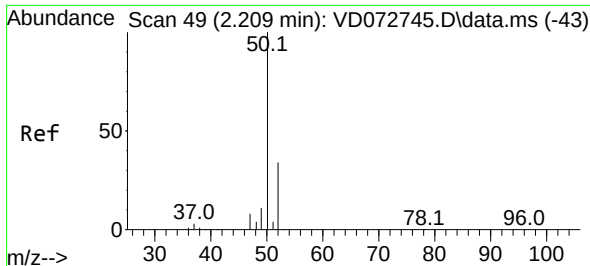
Tgt Ion:168 Resp: 297693  
Ion Ratio Lower Upper  
168 100  
99 57.4 49.8 74.6



#2  
Dichlorodifluoromethane  
Concen: 22.130 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 85 Resp: 91036  
Ion Ratio Lower Upper  
85 100  
87 30.7 15.7 47.0

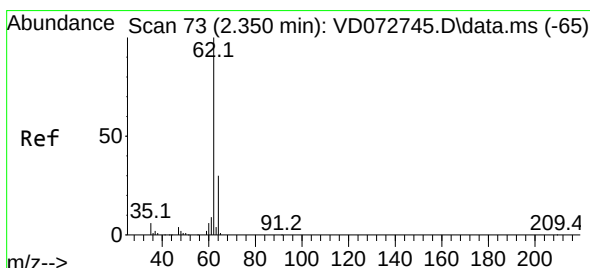
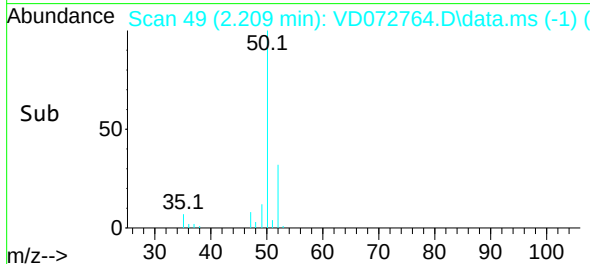
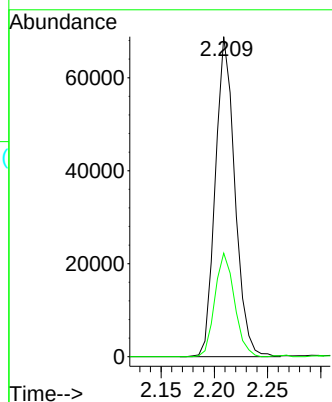
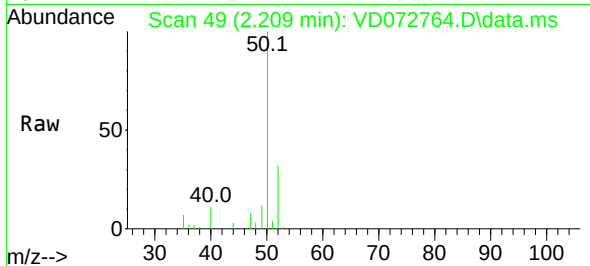




#3  
Chloromethane  
Concen: 20.490 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

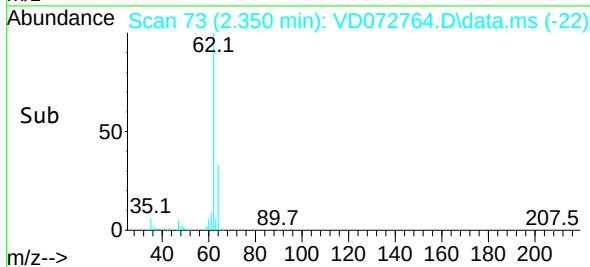
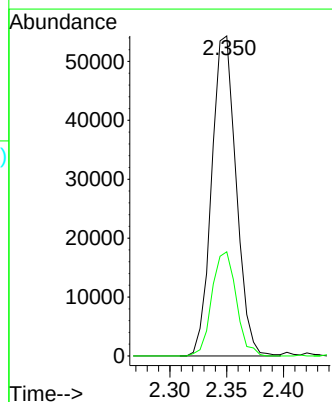
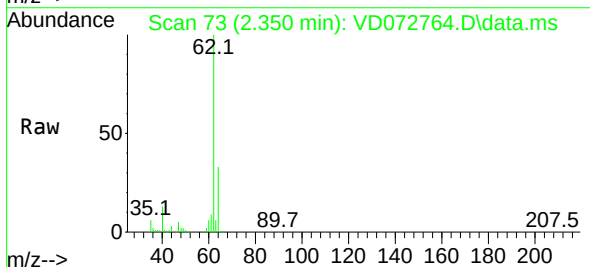
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

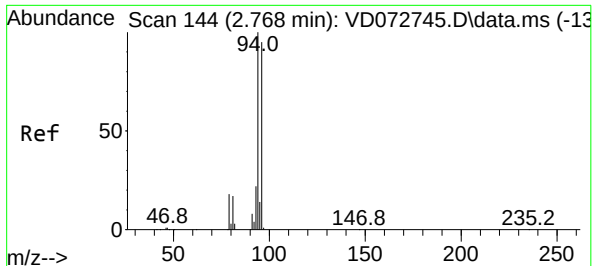
Tgt Ion: 50 Resp: 87657  
Ion Ratio Lower Upper  
50 100  
52 32.3 27.4 41.0



#4  
Vinyl Chloride  
Concen: 21.236 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 62 Resp: 81523  
Ion Ratio Lower Upper  
62 100  
64 32.6 25.4 38.0

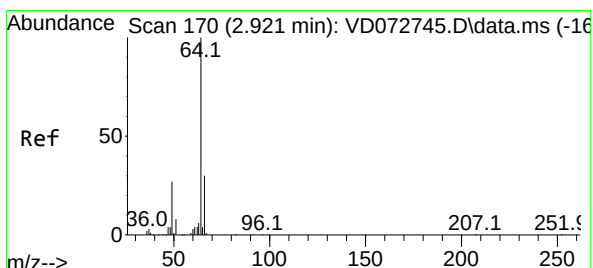
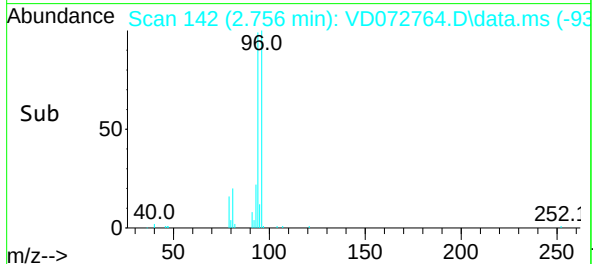
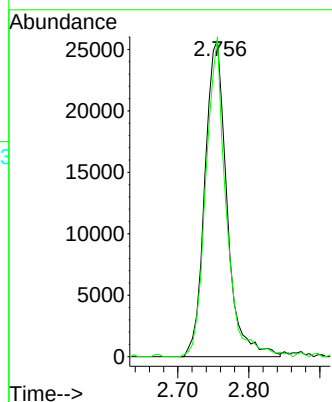
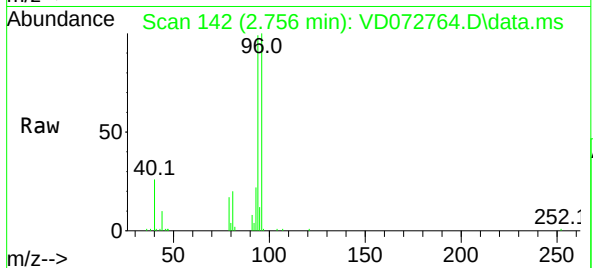




#5  
Bromomethane  
Concen: 22.737 ug/l  
RT: 2.756 min Scan# 144  
Delta R.T. -0.012 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

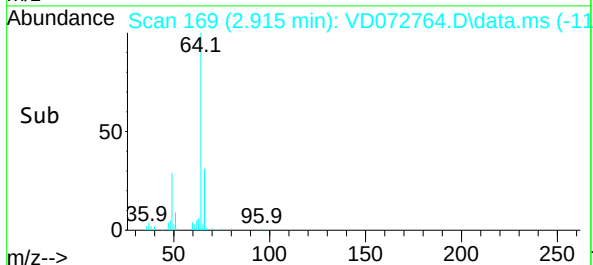
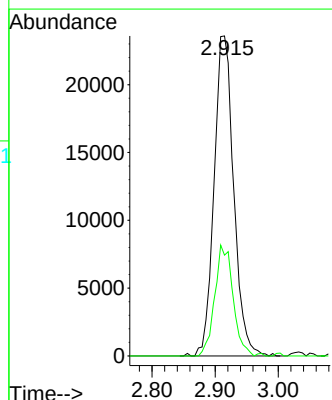
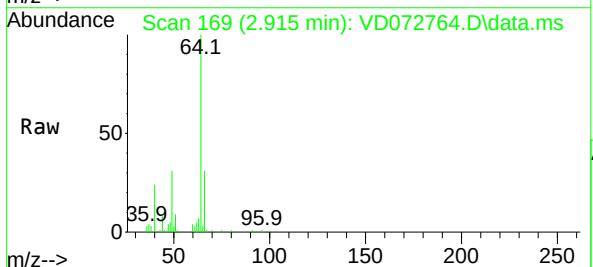
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

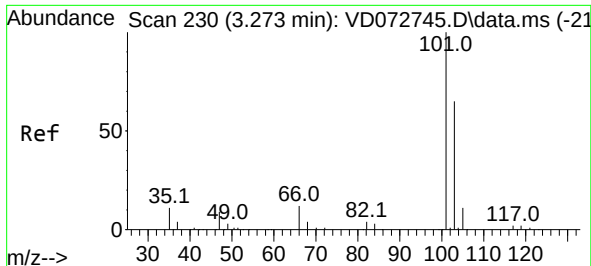
Tgt Ion: 94 Resp: 55678  
Ion Ratio Lower Upper  
94 100  
96 101.1 77.6 116.4



#6  
Chloroethane  
Concen: 21.303 ug/l  
RT: 2.915 min Scan# 169  
Delta R.T. -0.006 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 64 Resp: 50967  
Ion Ratio Lower Upper  
64 100  
66 31.5 25.9 38.9

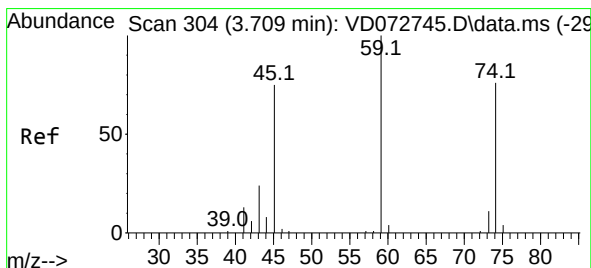
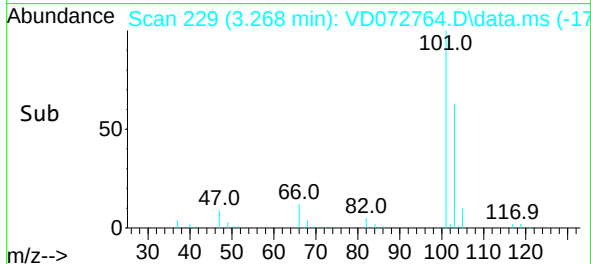
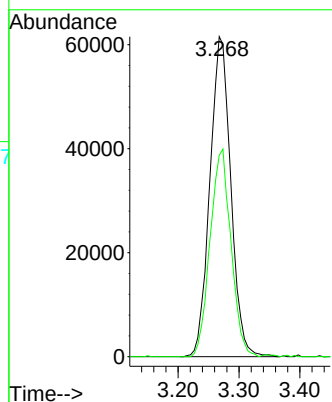
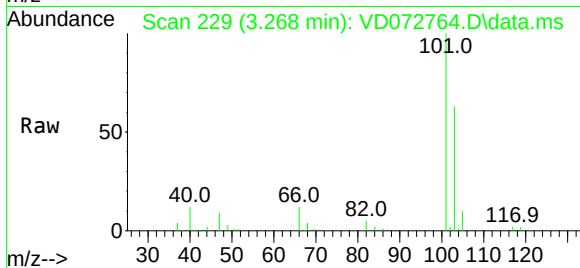




#7  
 Trichlorofluoromethane  
 Concen: 21.800 ug/l  
 RT: 3.268 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: VD072764.D  
 Acq: 03 May 2022 13:03

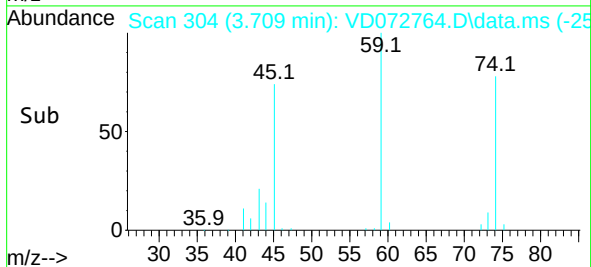
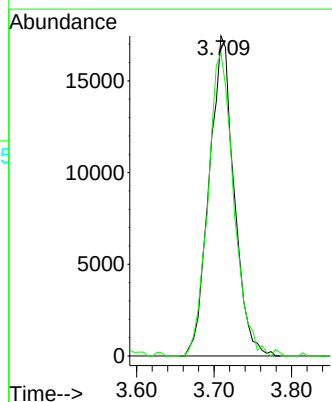
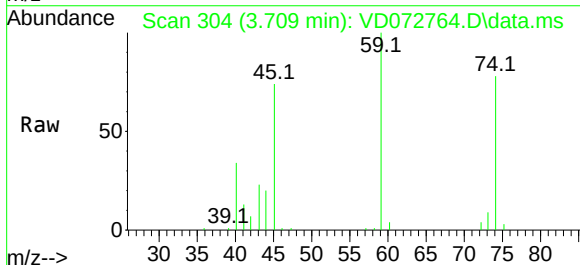
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0503SBSD01

Tgt Ion:101 Resp: 146544  
 Ion Ratio Lower Upper  
 101 100  
 103 62.9 50.1 75.1

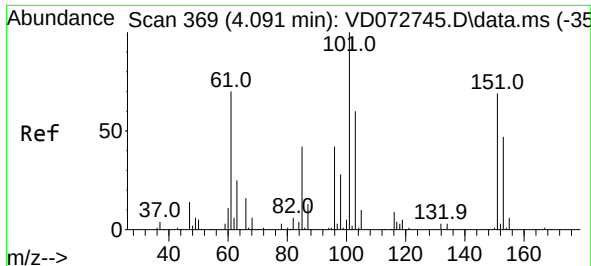


#8  
 Diethyl Ether  
 Concen: 20.155 ug/l  
 RT: 3.709 min Scan# 304  
 Delta R.T. -0.000 min  
 Lab File: VD072764.D  
 Acq: 03 May 2022 13:03

Tgt Ion: 74 Resp: 38842  
 Ion Ratio Lower Upper  
 74 100  
 45 98.5 52.6 157.8



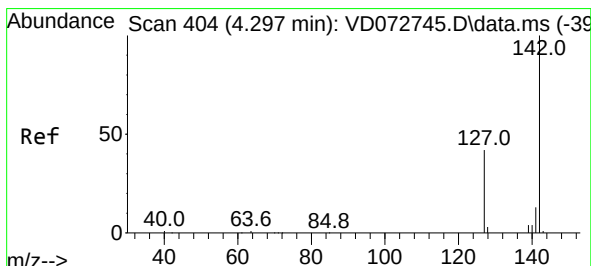
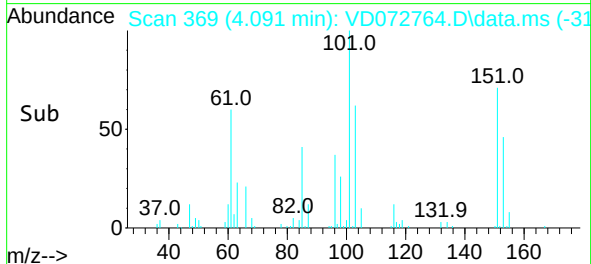
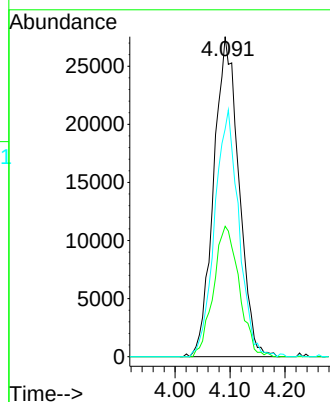
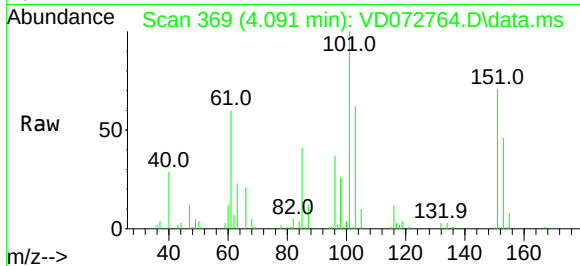




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 21.988 ug/l  
 RT: 4.091 min Scan# 369  
 Delta R.T. 0.000 min  
 Lab File: VD072764.D  
 Acq: 03 May 2022 13:03

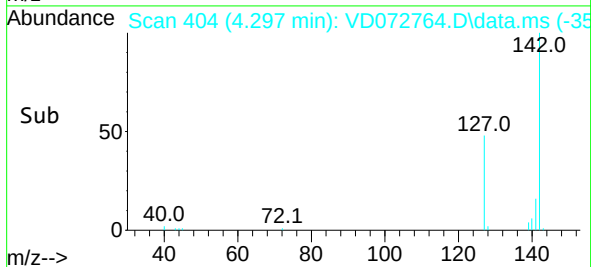
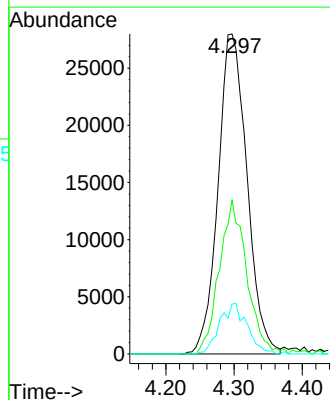
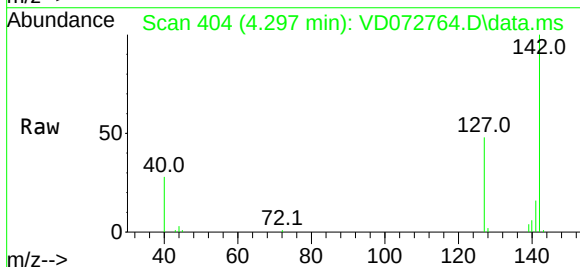
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0503SBS01

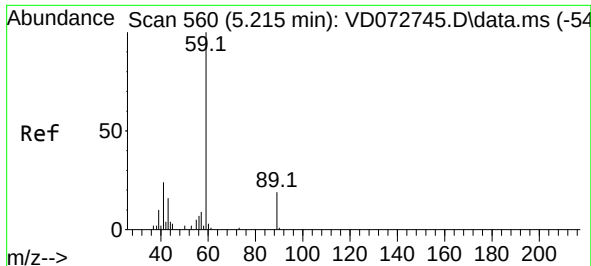
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 87750 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 41.4  | 36.4  | 54.6  |
| 151      | 74.1  | 57.3  | 85.9  |



#10  
 Methyl Iodide  
 Concen: 20.636 ug/l  
 RT: 4.297 min Scan# 404  
 Delta R.T. -0.000 min  
 Lab File: VD072764.D  
 Acq: 03 May 2022 13:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 82651 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 45.8  | 37.3  | 55.9  |
| 141      | 15.0  | 11.7  | 17.5  |





#11

Tert butyl alcohol

Concen: 157.384 ug/l

RT: 5.191 min Scan# 51

Delta R.T. -0.024 min

Lab File: VD072764.D

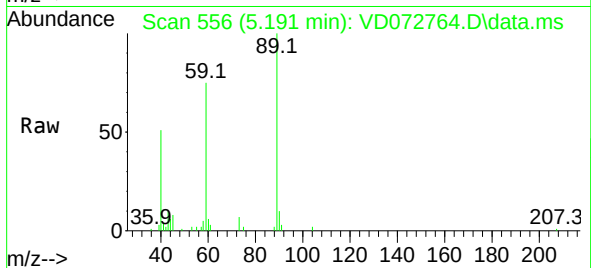
Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBSD01

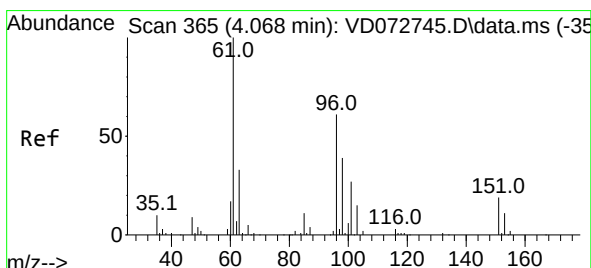
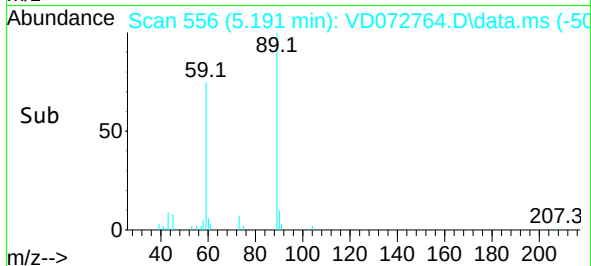
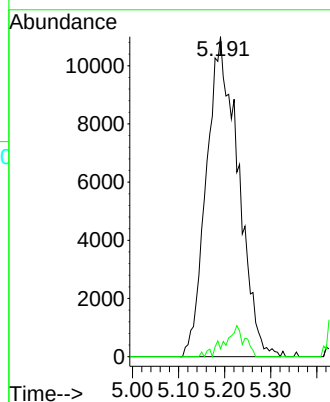


Tgt Ion: 59 Resp: 52620

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#12

1,1-Dichloroethene

Concen: 21.204 ug/l

RT: 4.068 min Scan# 365

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

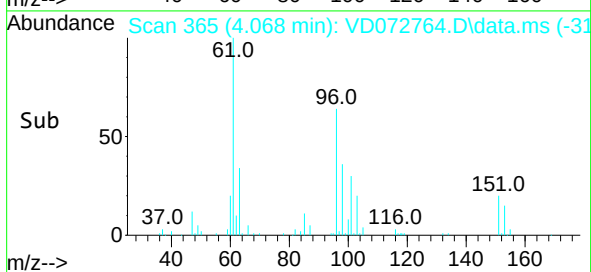
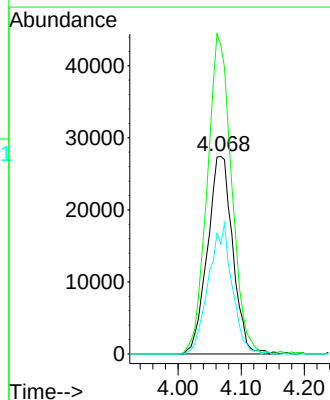
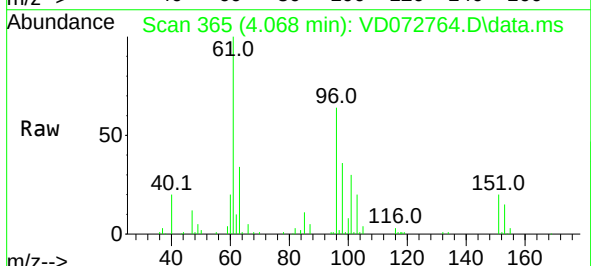
Tgt Ion: 96 Resp: 76116

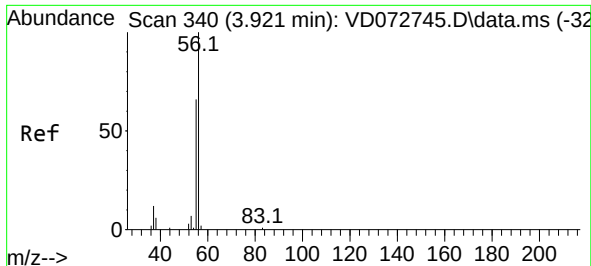
Ion Ratio Lower Upper

96 100

61 156.1 138.5 207.7

98 55.6 48.6 73.0

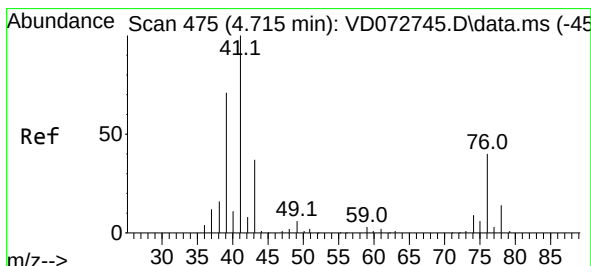
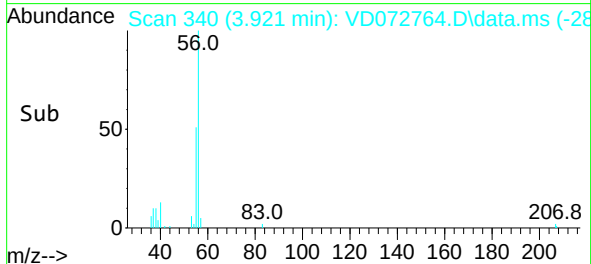
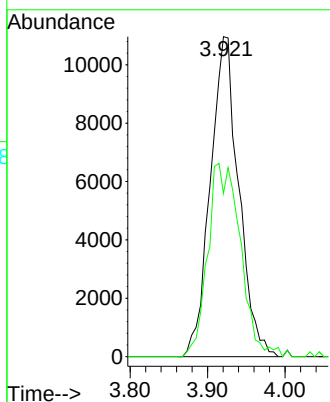
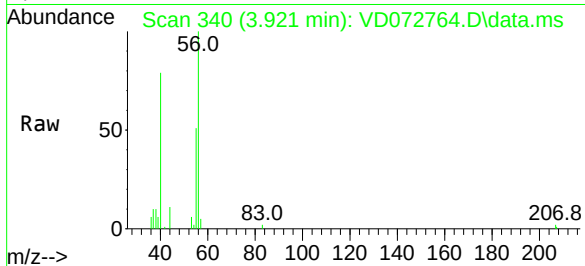




#13  
Acrolein  
Concen: 111.236 ug/l  
RT: 3.921 min Scan# 340  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

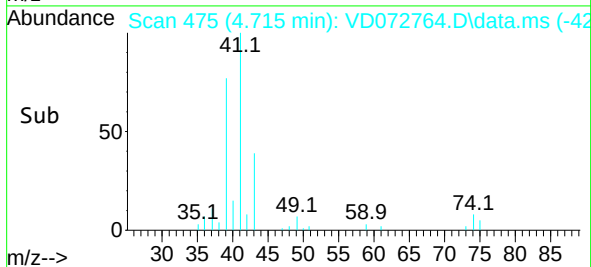
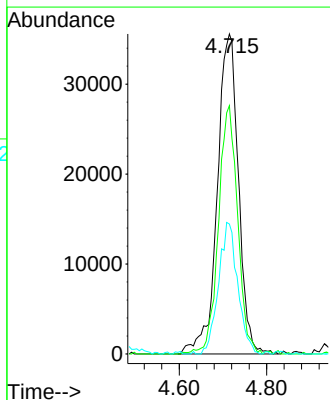
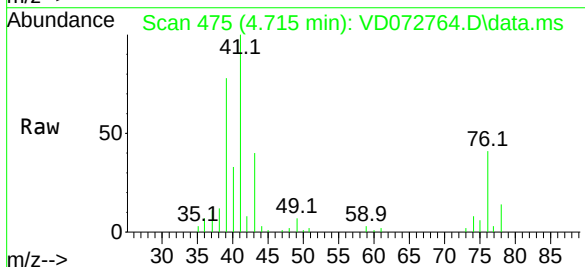
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

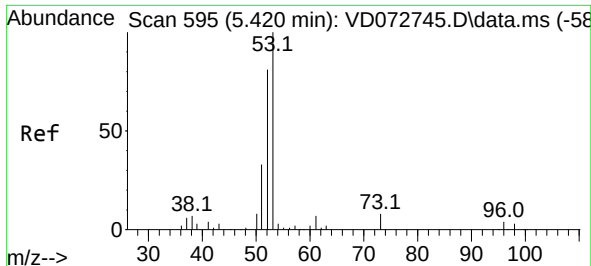
Tgt Ion: 56 Resp: 27990  
Ion Ratio Lower Upper  
56 100  
55 69.4 57.1 85.7



#14  
Allyl chloride  
Concen: 20.628 ug/l  
RT: 4.715 min Scan# 475  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 41 Resp: 119547  
Ion Ratio Lower Upper  
41 100  
39 70.1 59.3 88.9  
76 37.2 25.7 38.5

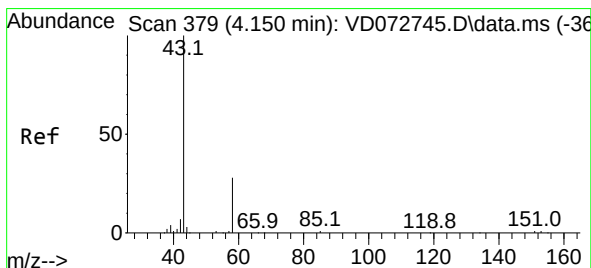
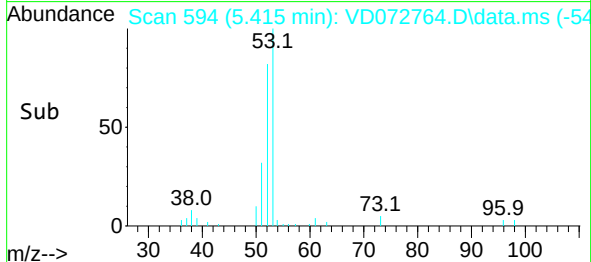
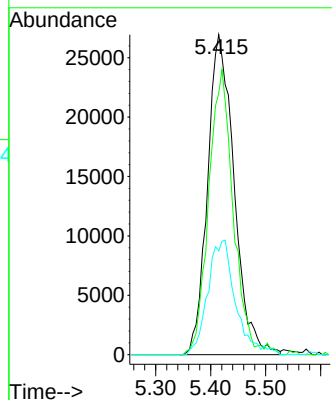
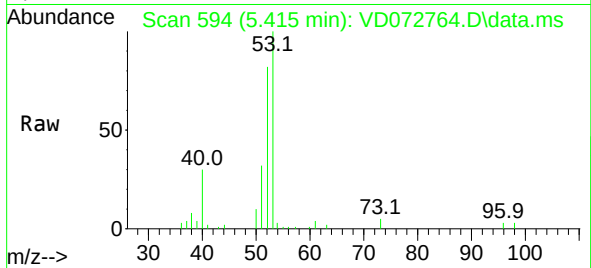




#15  
Acrylonitrile  
Concen: 98.684 ug/l  
RT: 5.415 min Scan# 595  
Delta R.T. -0.005 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

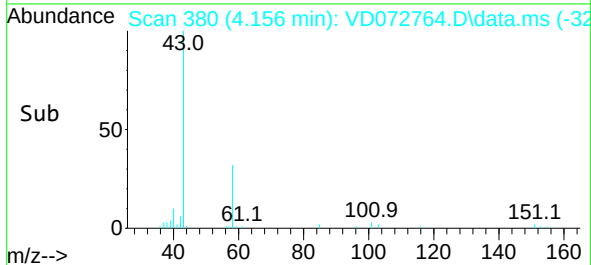
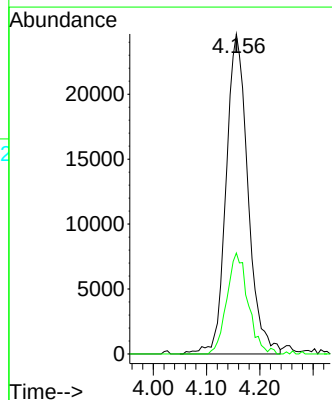
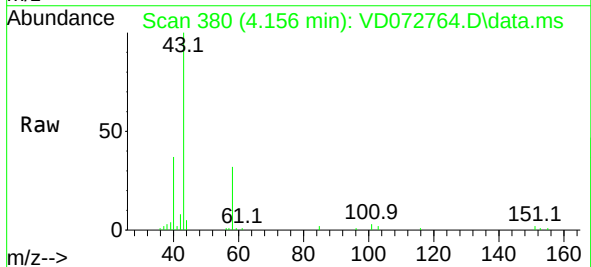
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

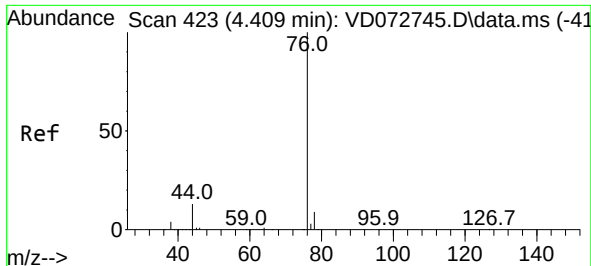
Tgt Ion: 53 Resp: 90383  
Ion Ratio Lower Upper  
53 100  
52 81.3 67.2 100.8  
51 37.4 30.3 45.5



#16  
Acetone  
Concen: 87.850 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. 0.006 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 43 Resp: 70081  
Ion Ratio Lower Upper  
43 100  
58 31.6 22.1 33.1

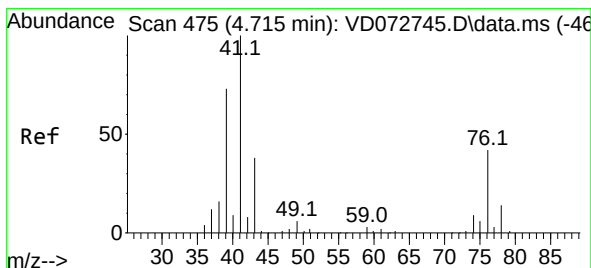
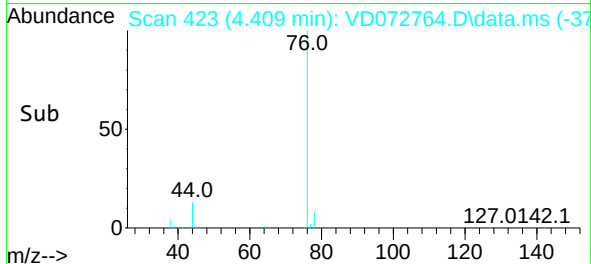
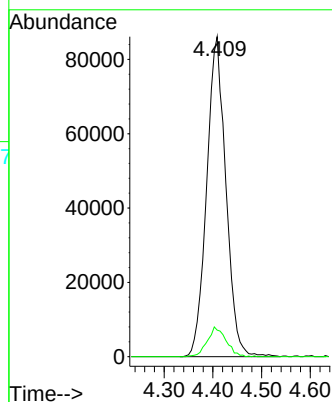
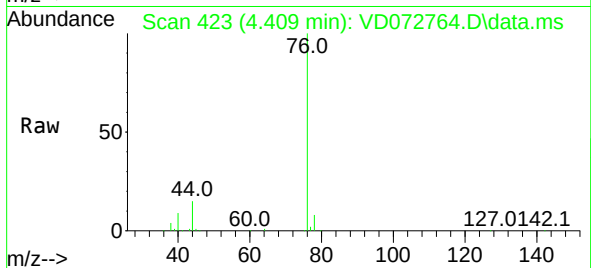




#17  
Carbon Disulfide  
Concen: 20.839 ug/l  
RT: 4.409 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

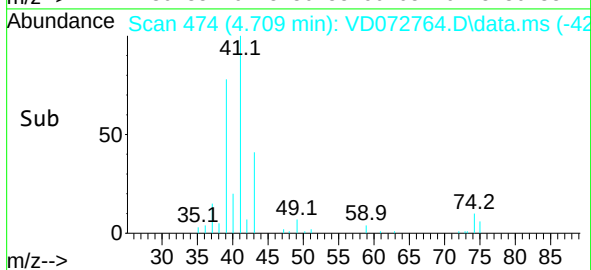
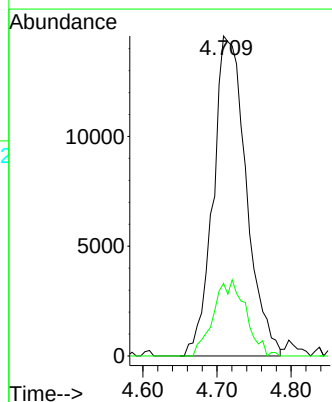
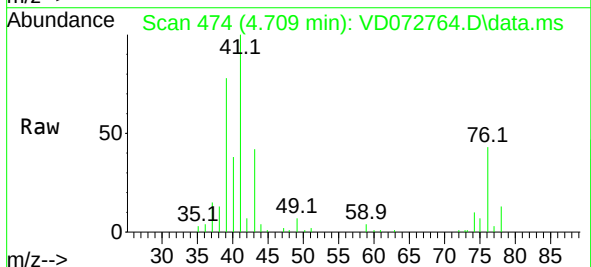
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBS01

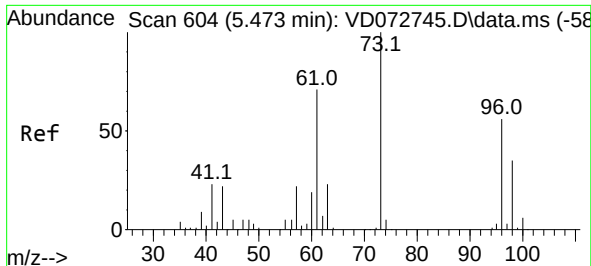
Tgt Ion: 76 Resp: 235203  
Ion Ratio Lower Upper  
76 100  
78 8.3 7.5 11.3



#18  
Methyl Acetate  
Concen: 21.323 ug/l  
RT: 4.709 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 43 Resp: 45134  
Ion Ratio Lower Upper  
43 100  
74 23.3 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 20.140 ug/l

RT: 5.473 min Scan# 604

Delta R.T. 0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

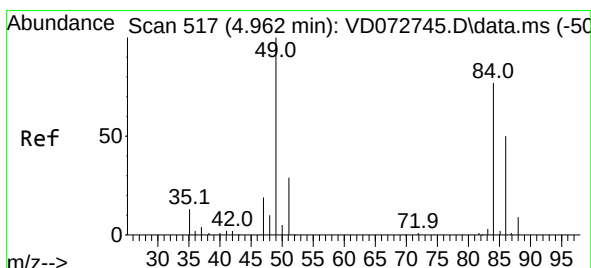
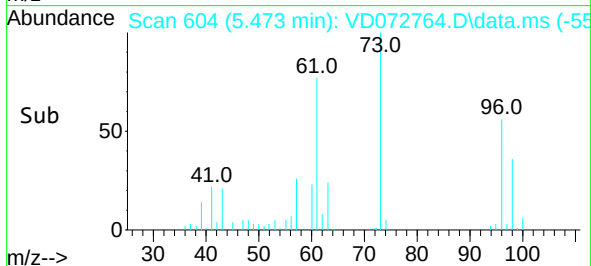
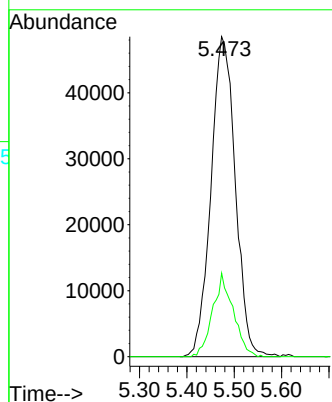
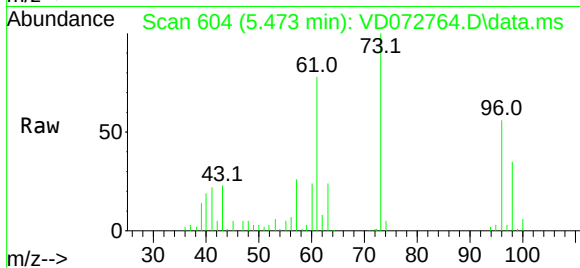
VD0503SBS01

Tgt Ion: 73 Resp: 173316

Ion Ratio Lower Upper

73 100

57 26.1 18.0 27.0



#20

Methylene Chloride

Concen: 21.193 ug/l

RT: 4.956 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Tgt Ion: 84 Resp: 114715

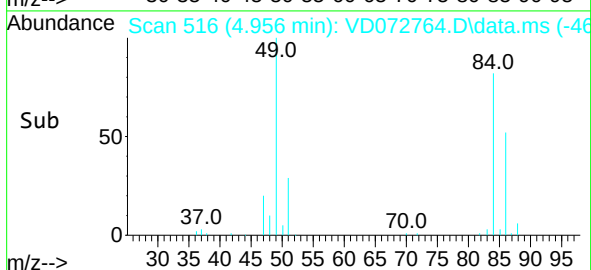
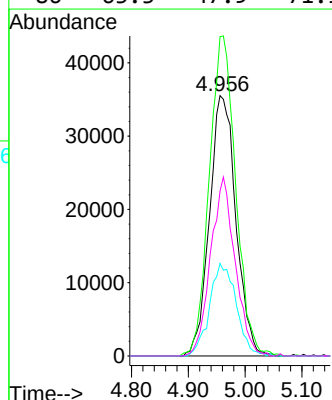
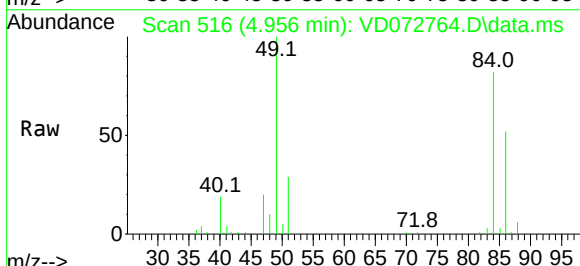
Ion Ratio Lower Upper

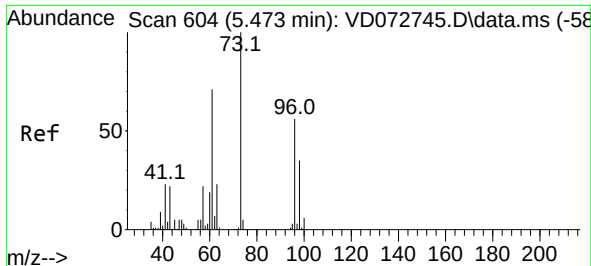
84 100

49 122.7 112.8 169.2

51 35.6 32.6 48.8

86 63.3 47.9 71.9

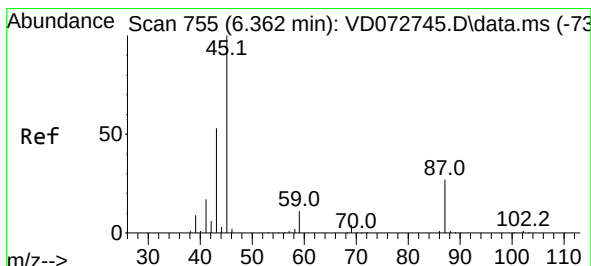
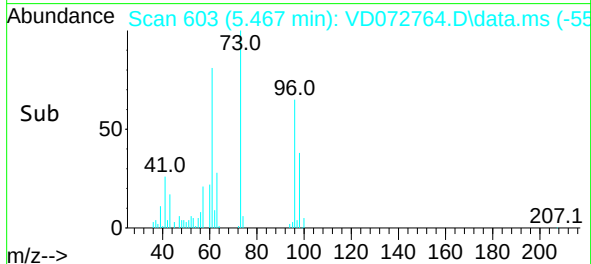
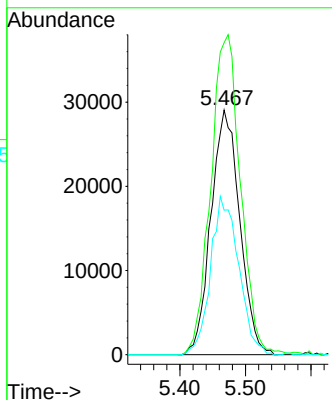
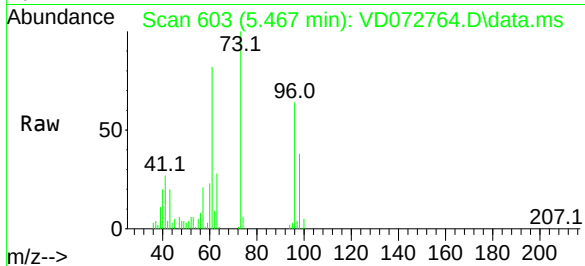




#21  
trans-1,2-Dichloroethene  
Concen: 21.531 ug/l  
RT: 5.467 min Scan# 604  
Delta R.T. -0.006 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

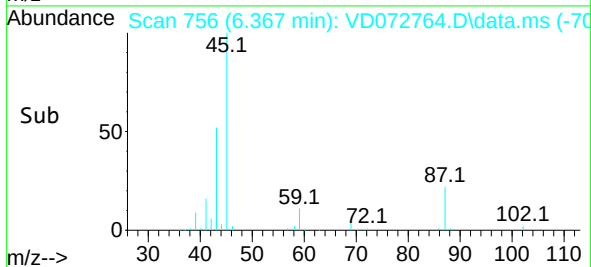
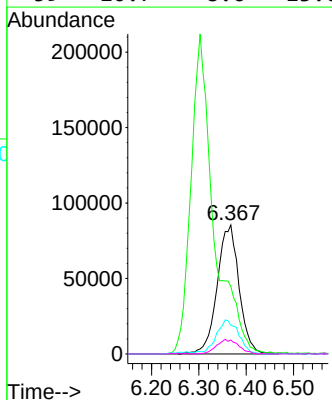
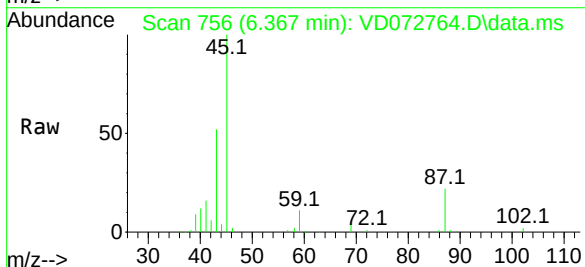
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBS01

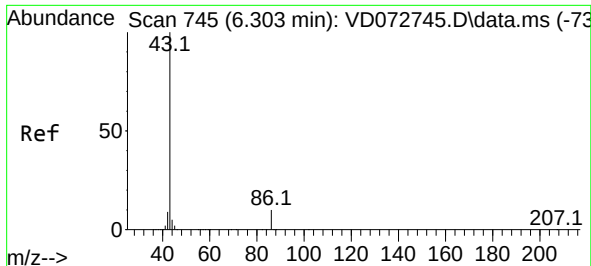
Tgt Ion: 96 Resp: 88639  
Ion Ratio Lower Upper  
96 100  
61 127.6 117.9 176.9  
98 59.0 49.4 74.2



#22  
Diisopropyl ether  
Concen: 21.515 ug/l  
RT: 6.367 min Scan# 756  
Delta R.T. 0.005 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 45 Resp: 274287  
Ion Ratio Lower Upper  
45 100  
43 51.3 46.6 70.0  
87 22.0 18.4 27.6  
59 10.7 8.6 13.0

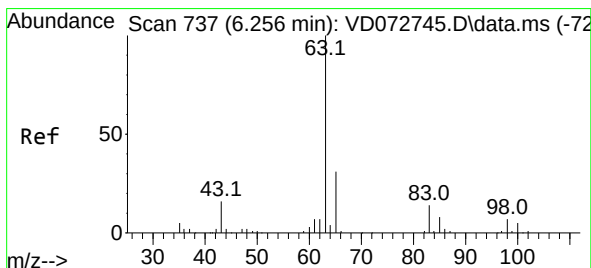
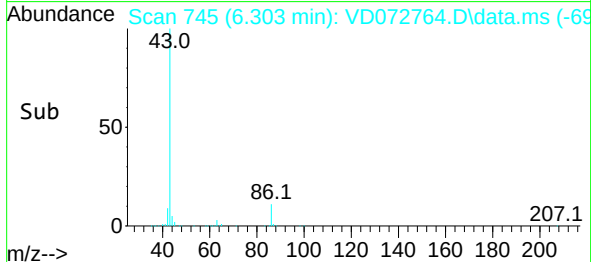
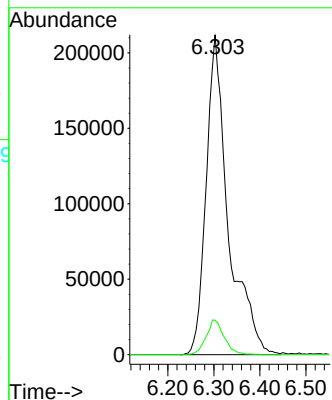
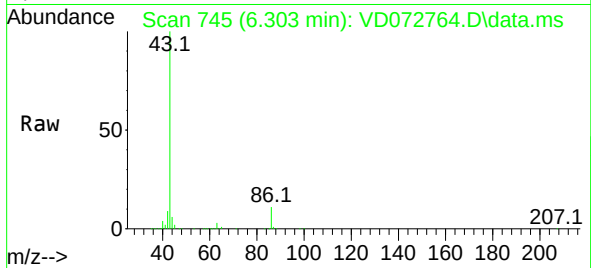




#23  
 Vinyl Acetate  
 Concen: 100.781 ug/l  
 RT: 6.303 min Scan# 745  
 Delta R.T. -0.000 min  
 Lab File: VD072764.D  
 Acq: 03 May 2022 13:03

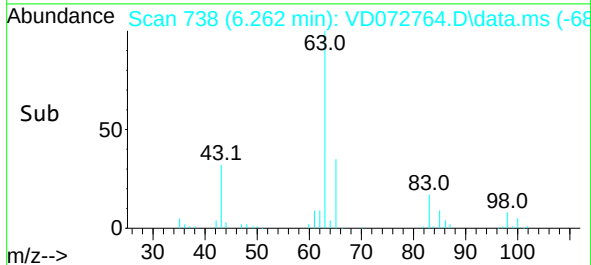
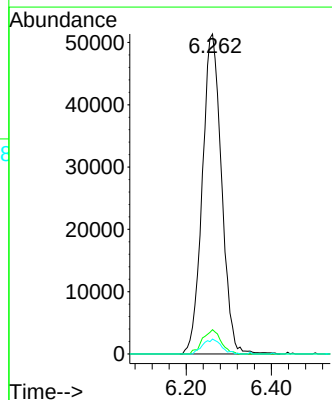
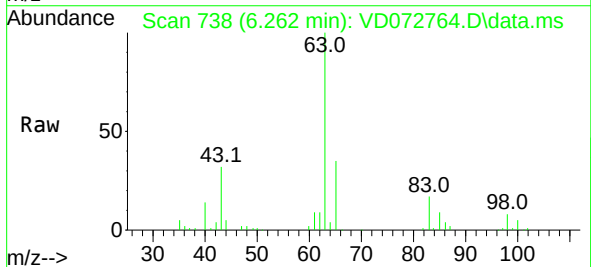
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0503SBS01

Tgt Ion: 43 Resp: 709757  
 Ion Ratio Lower Upper  
 43 100  
 86 10.8 7.1 10.7#

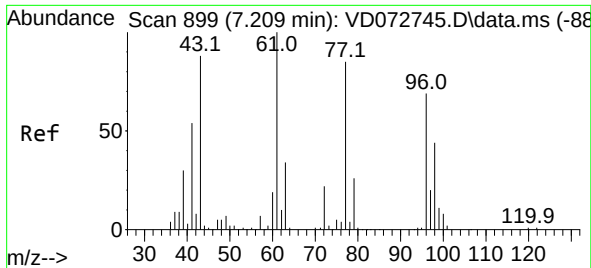


#24  
 1,1-Dichloroethane  
 Concen: 21.033 ug/l  
 RT: 6.262 min Scan# 738  
 Delta R.T. 0.006 min  
 Lab File: VD072764.D  
 Acq: 03 May 2022 13:03

Tgt Ion: 63 Resp: 161099  
 Ion Ratio Lower Upper  
 63 100  
 98 7.6 3.6 10.9  
 100 4.6 2.1 6.5



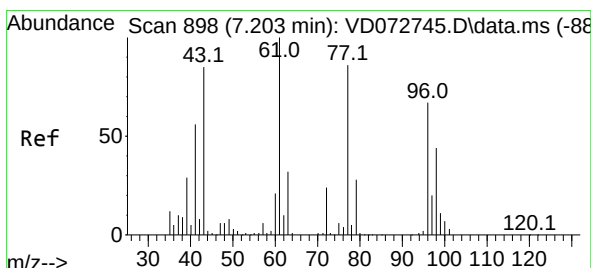
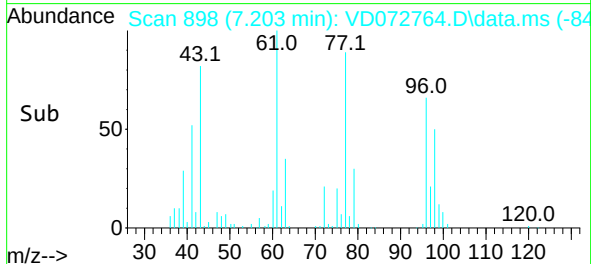
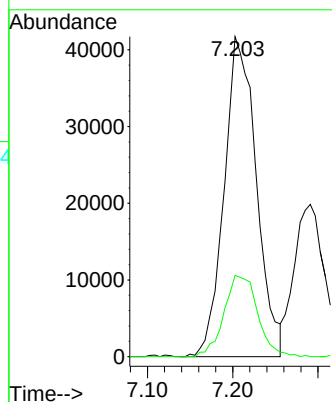
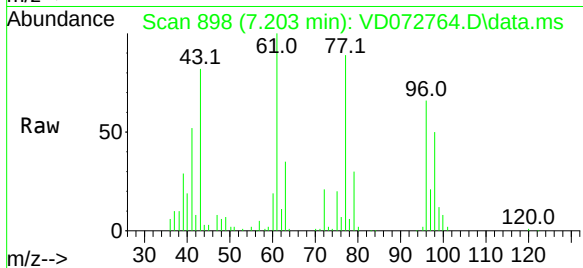




#25  
2-Butanone  
Concen: 97.367 ug/l  
RT: 7.203 min Scan# 898  
Delta R.T. -0.006 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

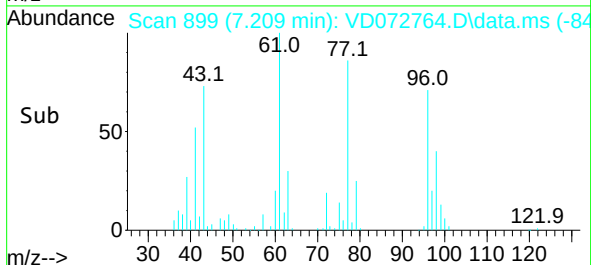
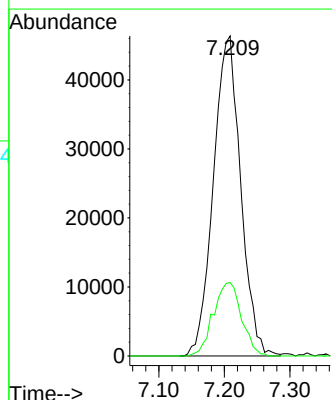
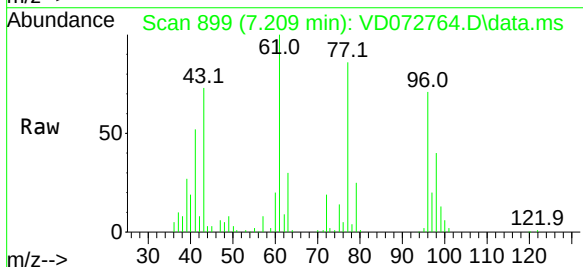
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBS01

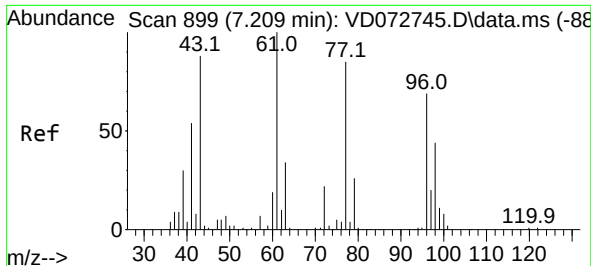
Tgt Ion: 43 Resp: 109628  
Ion Ratio Lower Upper  
43 100  
72 25.4 18.6 27.8



#26  
2,2-Dichloropropane  
Concen: 20.691 ug/l  
RT: 7.209 min Scan# 899  
Delta R.T. 0.006 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 77 Resp: 133980  
Ion Ratio Lower Upper  
77 100  
97 23.6 10.8 32.4

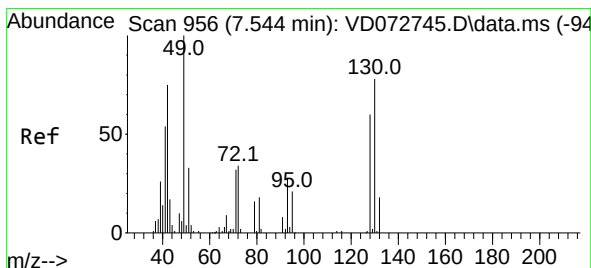
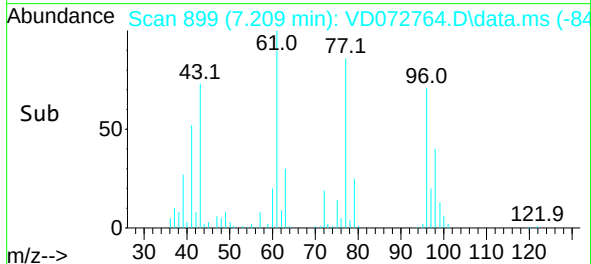
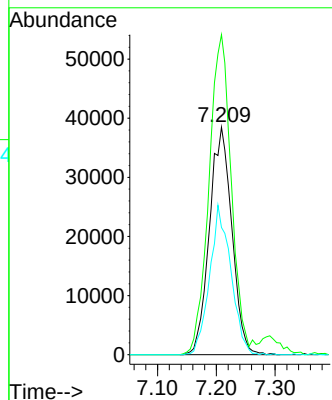
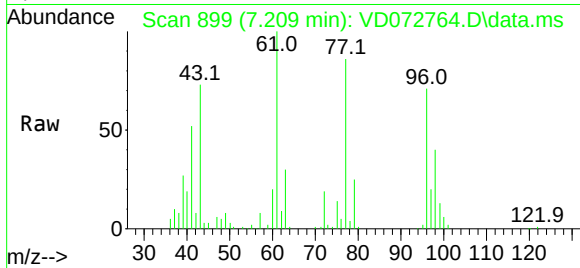




#27  
 cis-1,2-Dichloroethene  
 Concen: 21.657 ug/l  
 RT: 7.209 min Scan# 899  
 Delta R.T. -0.000 min  
 Lab File: VD072764.D  
 Acq: 03 May 2022 13:03

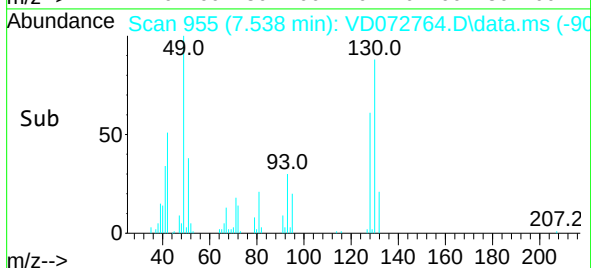
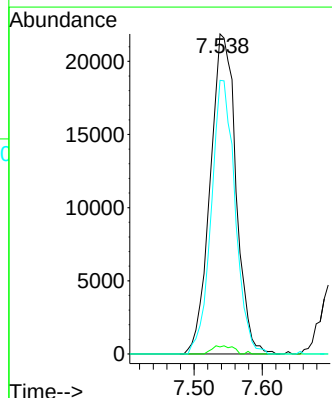
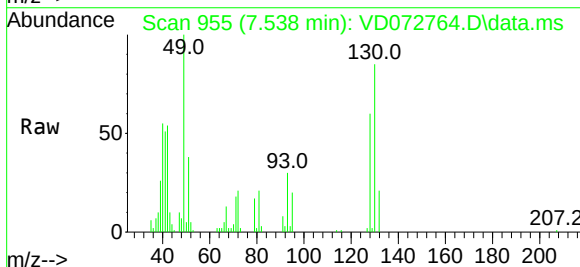
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0503SBSD01

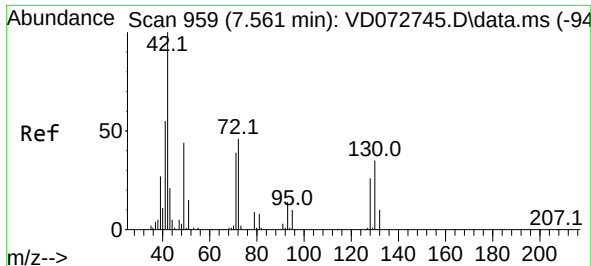
Tgt Ion: 96 Resp: 102117  
 Ion Ratio Lower Upper  
 96 100  
 61 141.0 0.0 313.8  
 98 62.1 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 20.145 ug/l  
 RT: 7.538 min Scan# 955  
 Delta R.T. -0.006 min  
 Lab File: VD072764.D  
 Acq: 03 May 2022 13:03

Tgt Ion: 49 Resp: 57540  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 4.0  
 130 78.9 52.6 79.0





#29

Tetrahydrofuran

Concen: 99.033 ug/l

RT: 7.556 min Scan# 91

Delta R.T. -0.005 min

Lab File: VD072764.D

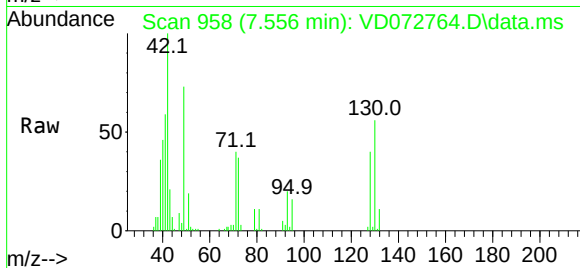
Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBSD01



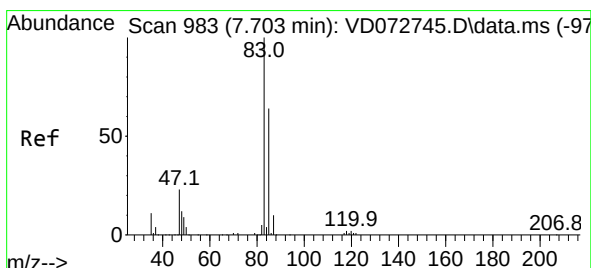
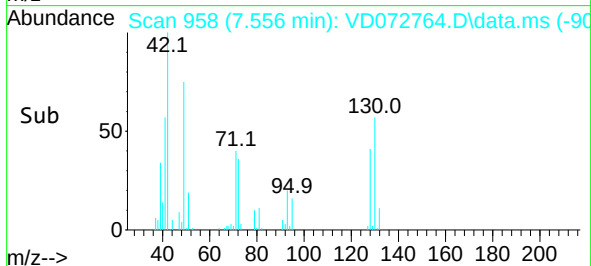
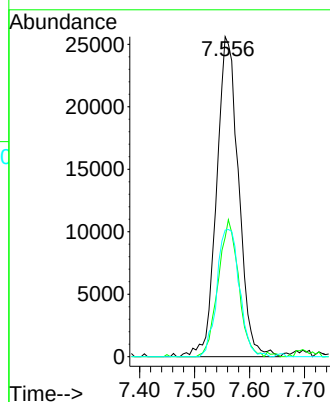
Tgt Ion: 42 Resp: 71073

Ion Ratio Lower Upper

42 100

72 39.8 30.7 46.1

71 40.8 28.6 43.0



#30

Chloroform

Concen: 21.306 ug/l

RT: 7.709 min Scan# 984

Delta R.T. 0.006 min

Lab File: VD072764.D

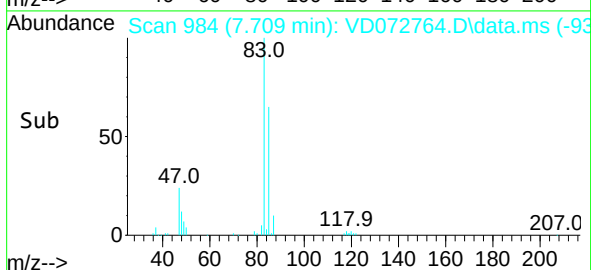
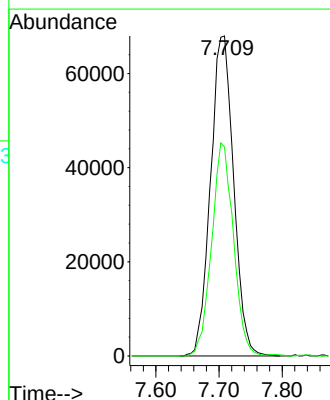
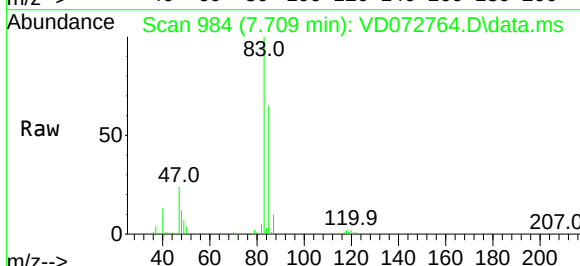
Acq: 03 May 2022 13:03

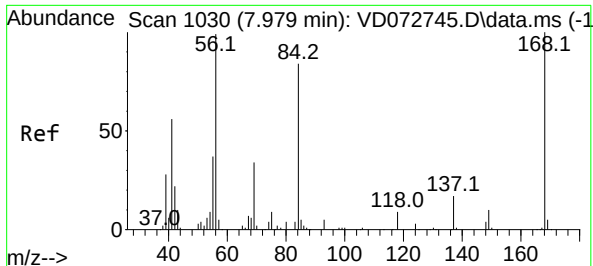
Tgt Ion: 83 Resp: 172677

Ion Ratio Lower Upper

83 100

85 65.3 52.7 79.1





#31

Cyclohexane

Concen: 20.970 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBSD01

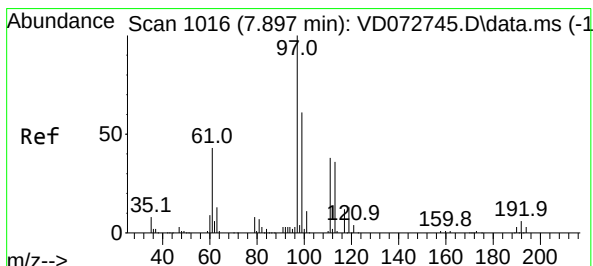
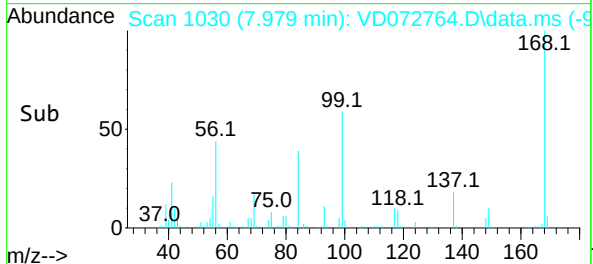
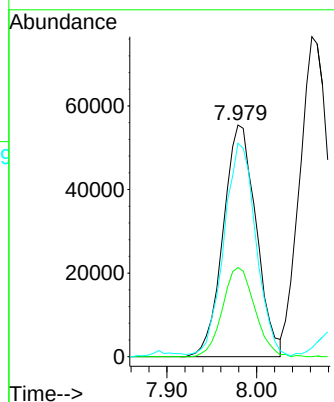
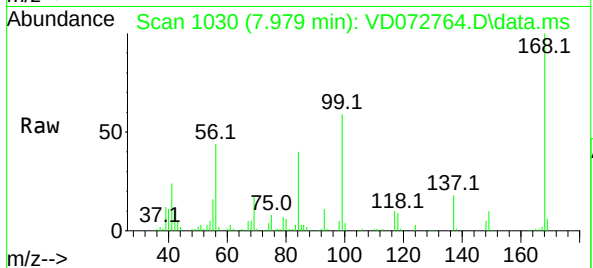
Tgt Ion: 56 Resp: 141654

Ion Ratio Lower Upper

56 100

69 38.4 25.4 38.2#

84 90.8 63.0 94.4



#32

1,1,1-Trichloroethane

Concen: 21.512 ug/l

RT: 7.897 min Scan# 1016

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

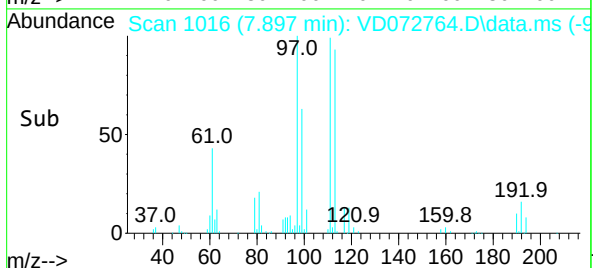
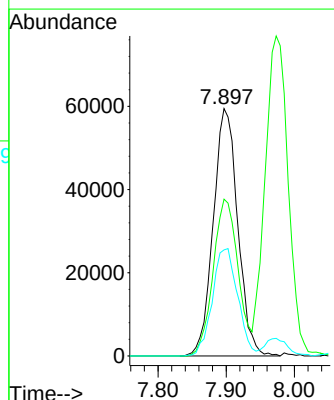
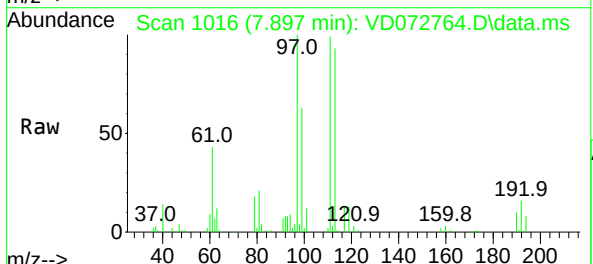
Tgt Ion: 97 Resp: 148592

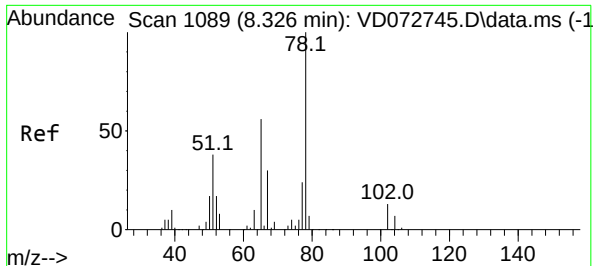
Ion Ratio Lower Upper

97 100

99 65.1 52.4 78.6

61 44.9 38.0 57.0

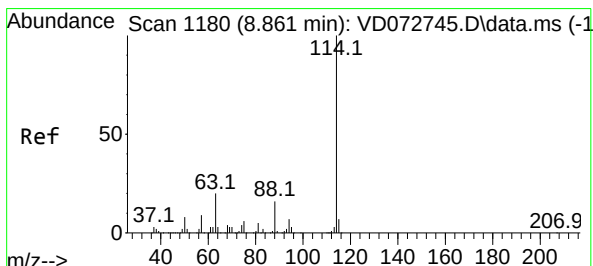
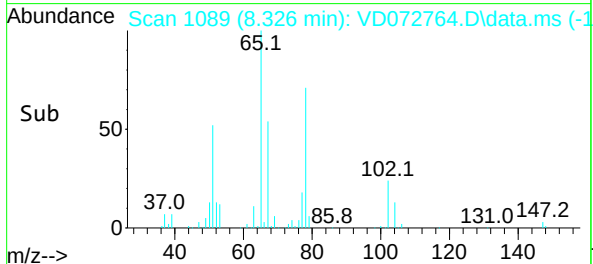
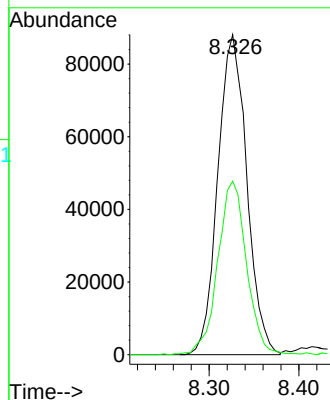
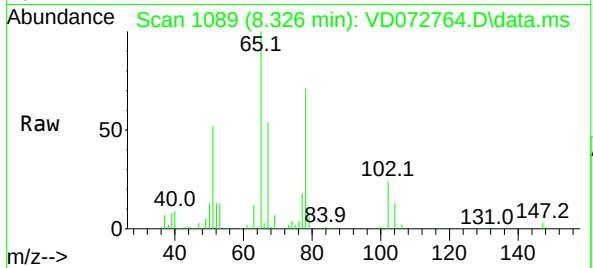




#33  
1,2-Dichloroethane-d4  
Concen: 51.000 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

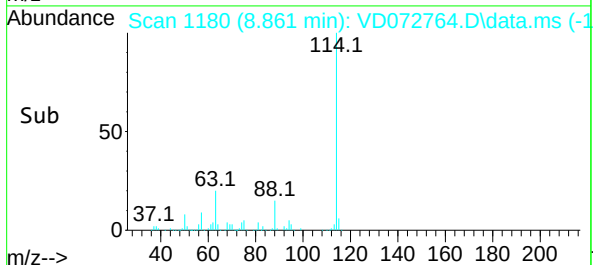
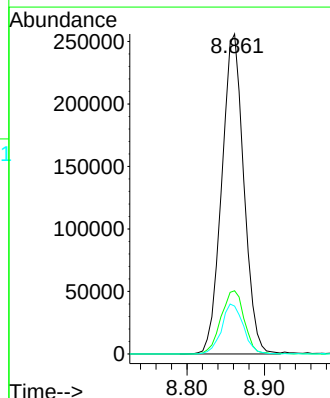
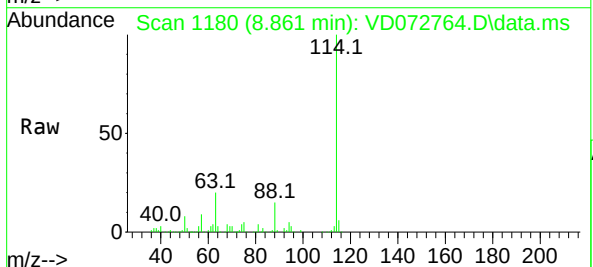
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

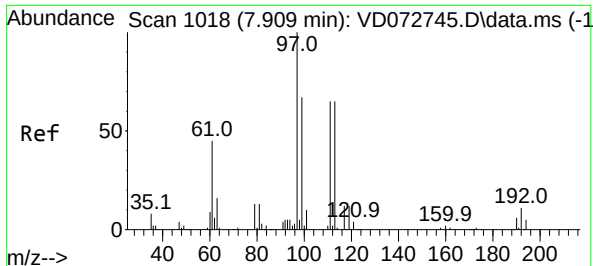
Tgt Ion: 65 Resp: 197077  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 101.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 114 Resp: 507583  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 46.6  
88 14.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 53.440 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.005 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBS01

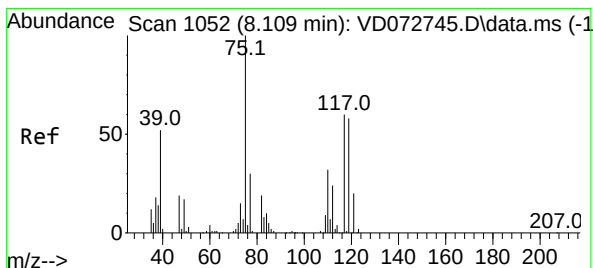
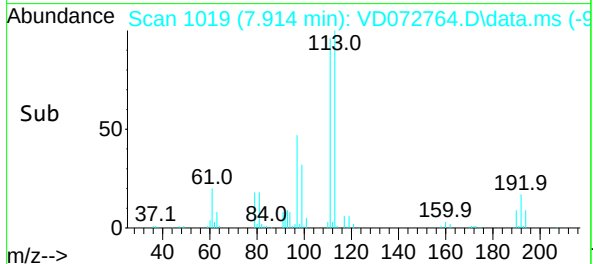
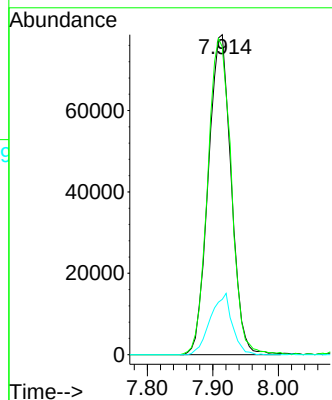
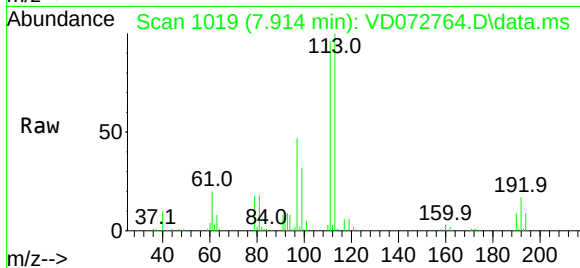
Tgt Ion:113 Resp: 190504

Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 18.3 14.6 21.8



#36

1,1-Dichloropropene

Concen: 21.966 ug/l

RT: 8.109 min Scan# 1052

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

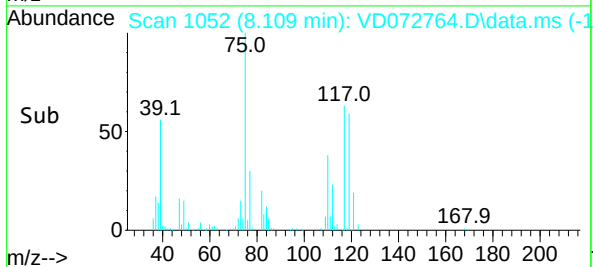
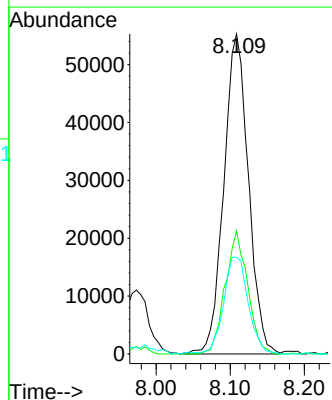
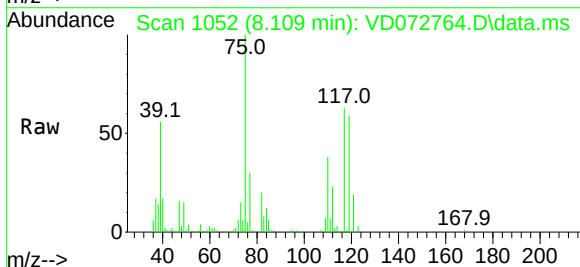
Tgt Ion: 75 Resp: 127327

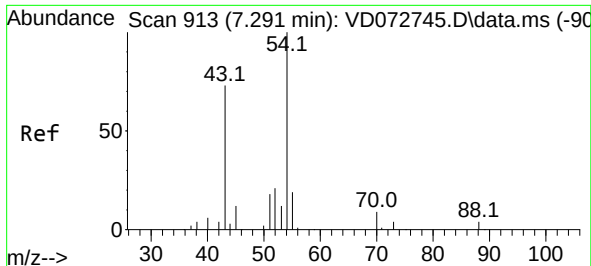
Ion Ratio Lower Upper

75 100

110 35.0 16.4 49.1

77 30.7 24.2 36.2





#37

Ethyl Acetate

Concen: 19.906 ug/l

RT: 7.291 min Scan# 913

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

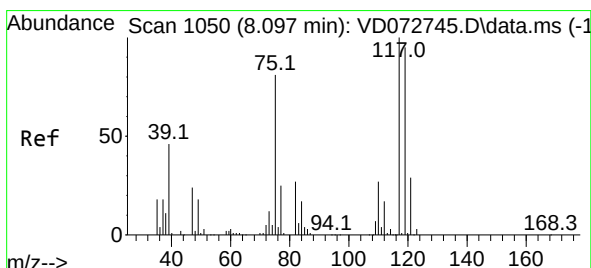
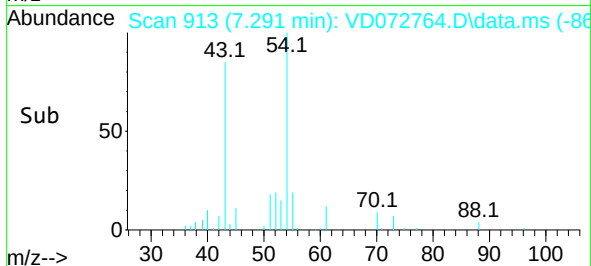
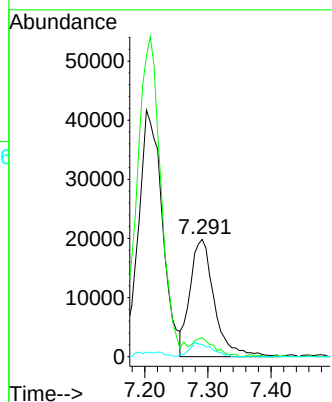
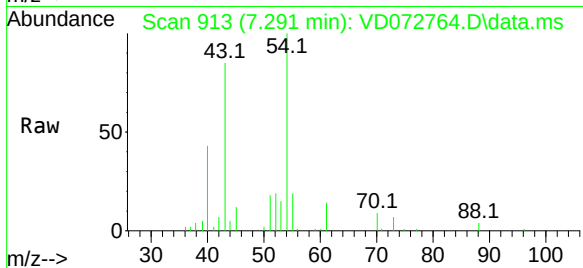
Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBSD01

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 53044 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 14.3     | 9.8 14.8    |
| 70 10.9     | 6.9 10.3    |



#38

Carbon Tetrachloride

Concen: 21.961 ug/l

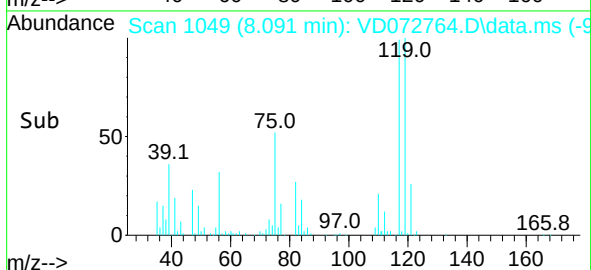
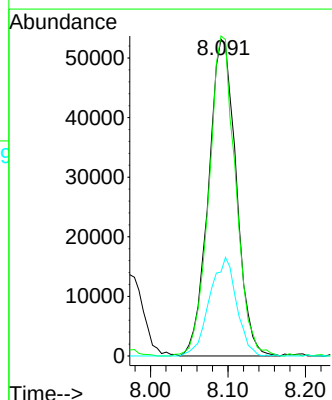
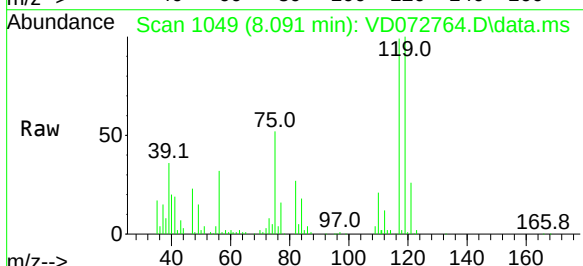
RT: 8.091 min Scan# 1049

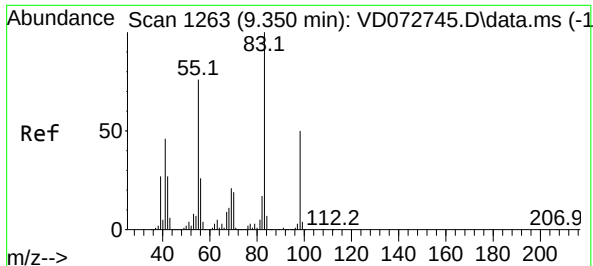
Delta R.T. -0.006 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

|              |              |
|--------------|--------------|
| Tgt Ion: 117 | Resp: 132139 |
| Ion Ratio    | Lower Upper  |
| 117 100      |              |
| 119 101.1    | 75.8 113.6   |
| 121 26.5     | 24.5 36.7    |





#39

Methylcyclohexane

Concen: 21.062 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBSD01

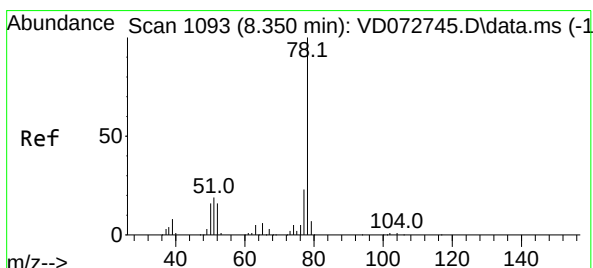
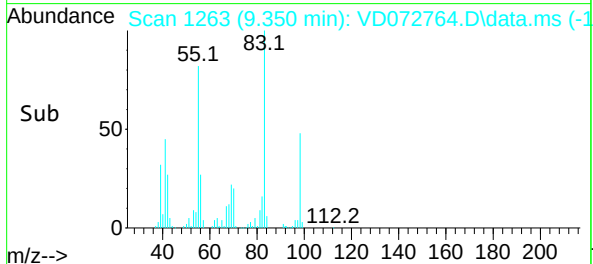
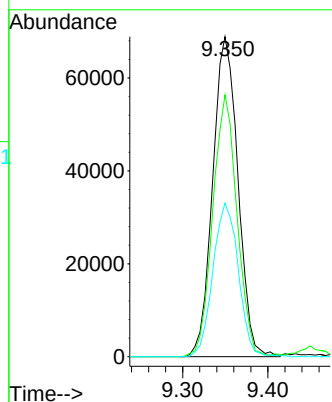
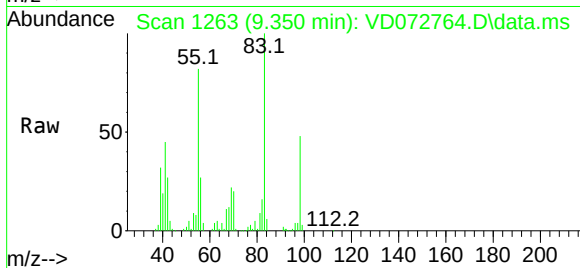
Tgt Ion: 83 Resp: 141609

Ion Ratio Lower Upper

83 100

55 81.8 63.2 94.8

98 48.0 38.2 57.4



#40

Benzene

Concen: 21.409 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.006 min

Lab File: VD072764.D

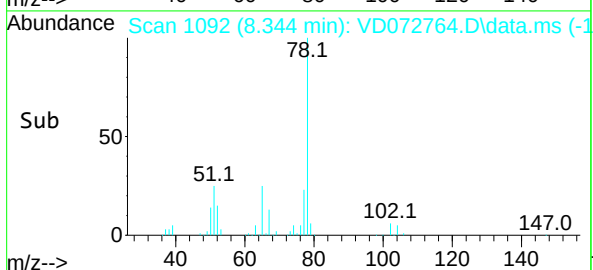
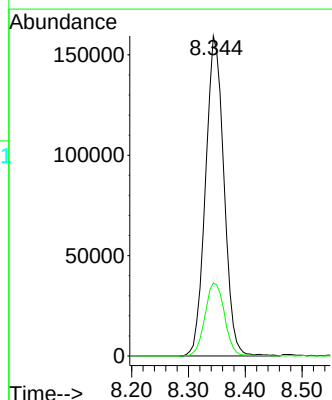
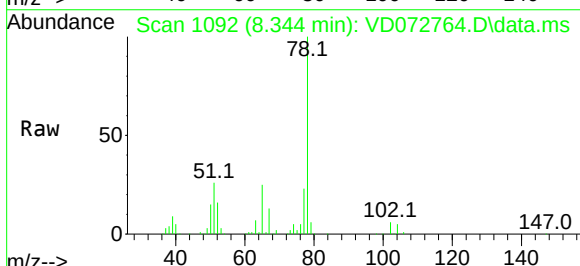
Acq: 03 May 2022 13:03

Tgt Ion: 78 Resp: 358379

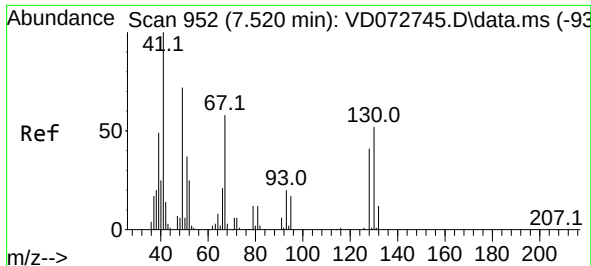
Ion Ratio Lower Upper

78 100

77 22.9 19.1 28.7

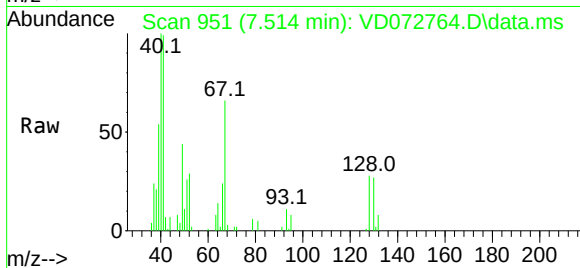




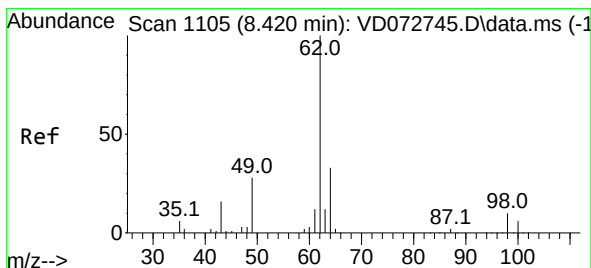
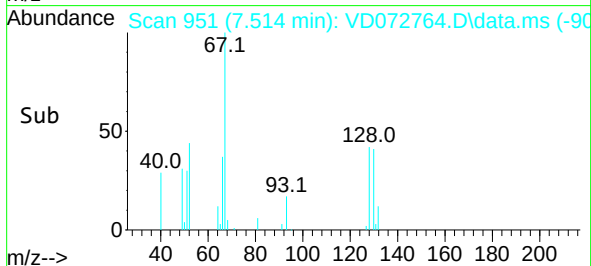
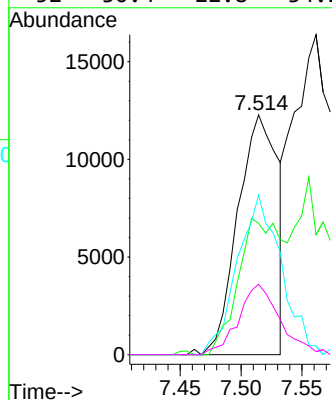


#41  
Methacrylonitrile  
Concen: 17.667 ug/l  
RT: 7.514 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

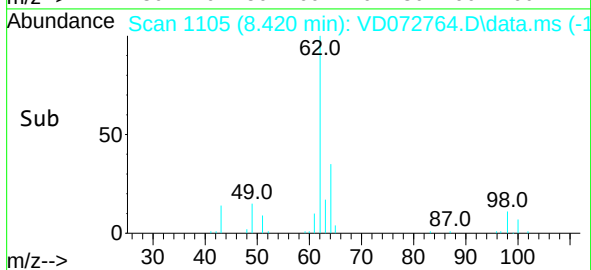
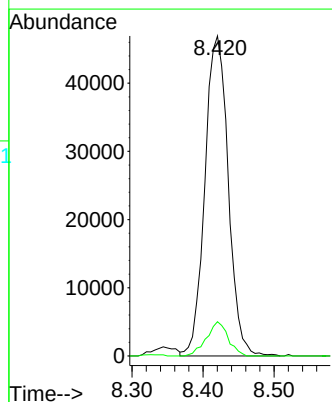
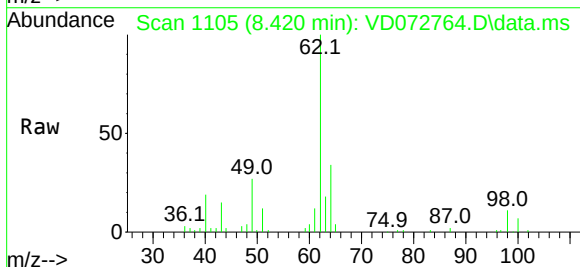


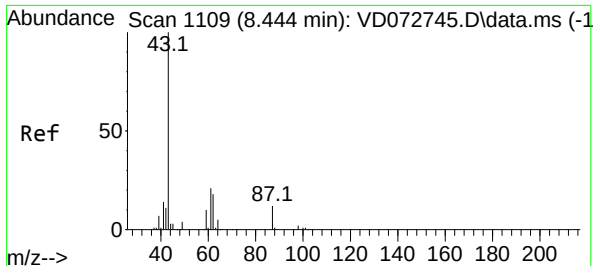
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 28031 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 64.4     | 44.6 67.0   |
| 67 73.5     | 48.2 72.4#  |
| 52 30.4     | 22.8 34.2   |



#42  
1,2-Dichloroethane  
Concen: 21.284 ug/l  
RT: 8.420 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 107364 |
| Ion Ratio   | Lower Upper  |
| 62 100      |              |
| 98 9.9      | 0.0 17.6     |





#43

Isopropyl Acetate

Concen: 20.406 ug/l

RT: 8.450 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBS01

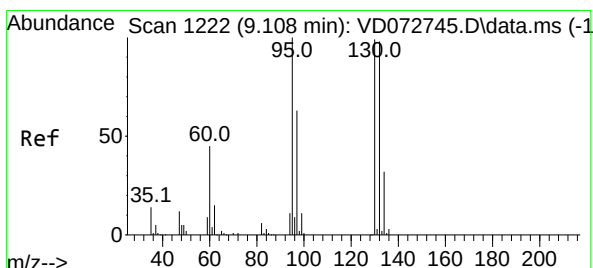
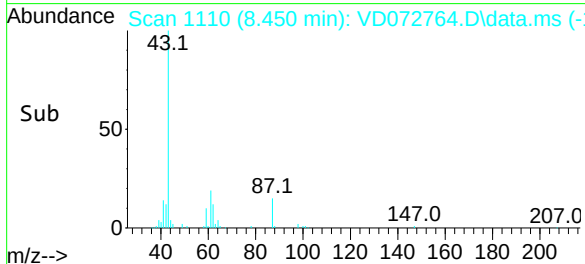
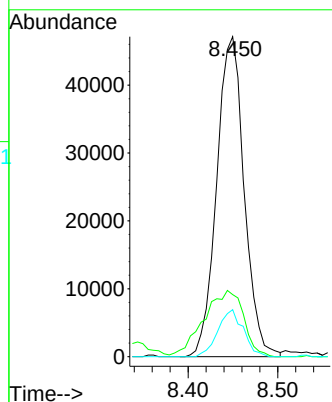
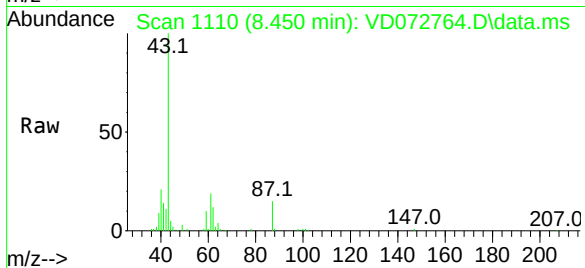
Tgt Ion: 43 Resp: 100362

Ion Ratio Lower Upper

43 100

61 30.1 22.4 33.6

87 13.6 8.7 13.1#



#44

Trichloroethene

Concen: 21.032 ug/l

RT: 9.103 min Scan# 1221

Delta R.T. -0.005 min

Lab File: VD072764.D

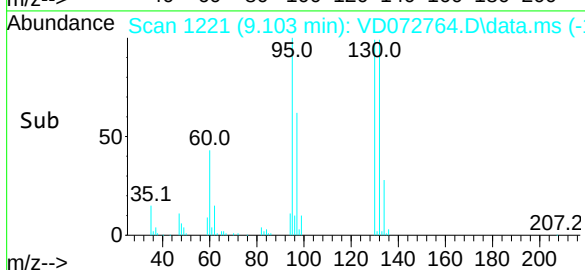
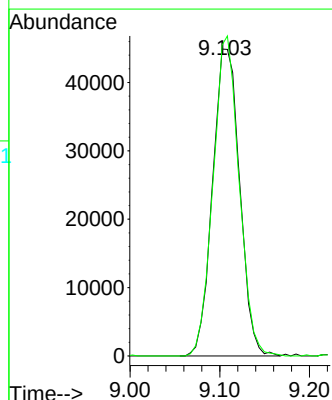
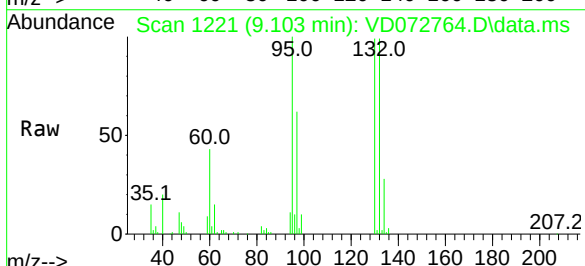
Acq: 03 May 2022 13:03

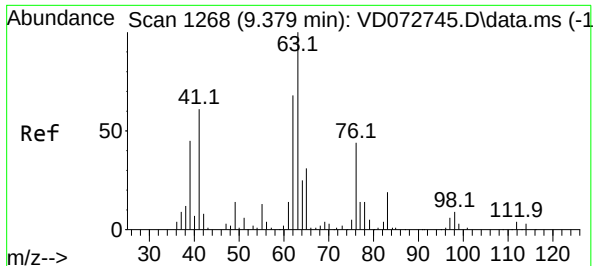
Tgt Ion:130 Resp: 94188

Ion Ratio Lower Upper

130 100

95 101.3 0.0 205.4





#45

1,2-Dichloropropane

Concen: 21.480 ug/l

RT: 9.379 min Scan# 1268

Delta R.T. 0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

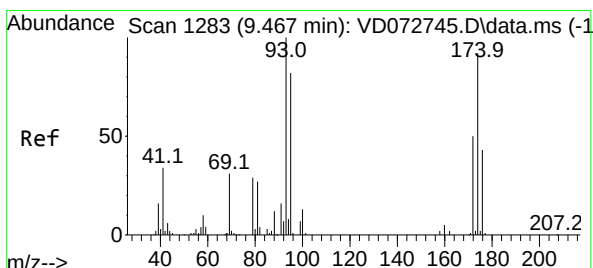
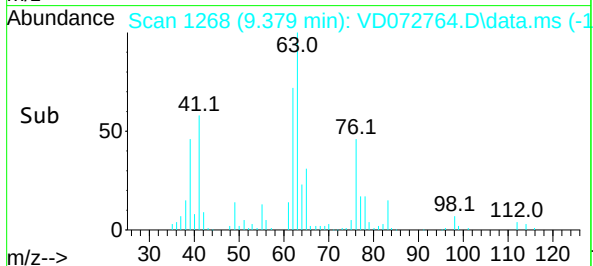
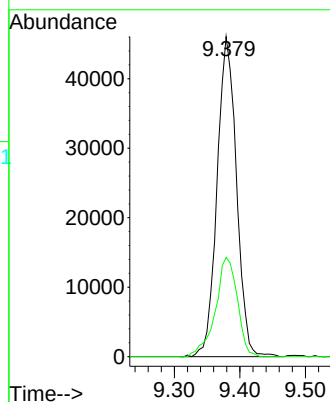
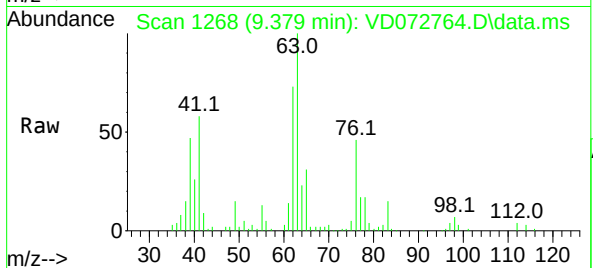
VD0503SBS01

Tgt Ion: 63 Resp: 94428

Ion Ratio Lower Upper

63 100

65 31.0 26.2 39.4



#46

Dibromomethane

Concen: 20.552 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. 0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

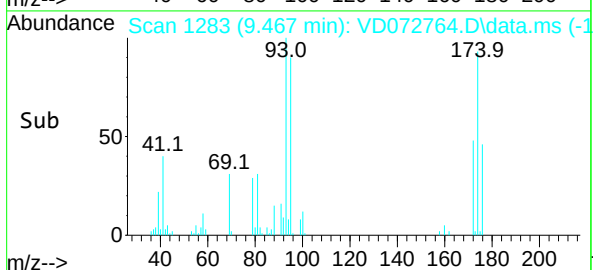
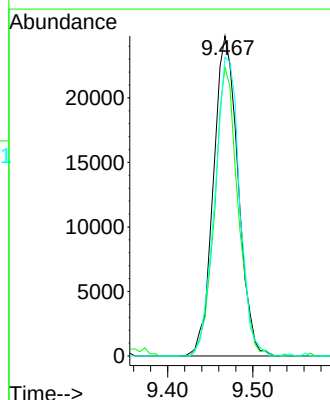
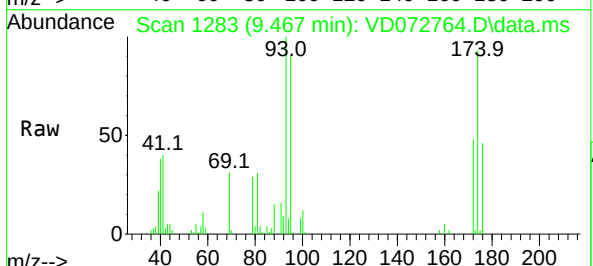
Tgt Ion: 93 Resp: 49837

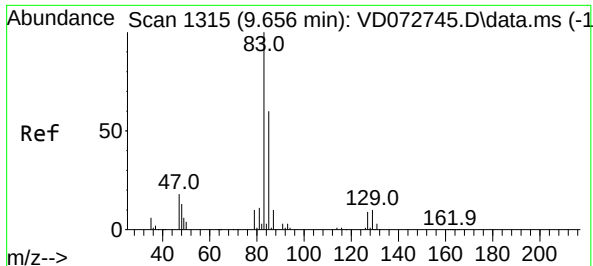
Ion Ratio Lower Upper

93 100

95 85.5 66.7 100.1

174 93.5 71.6 107.4

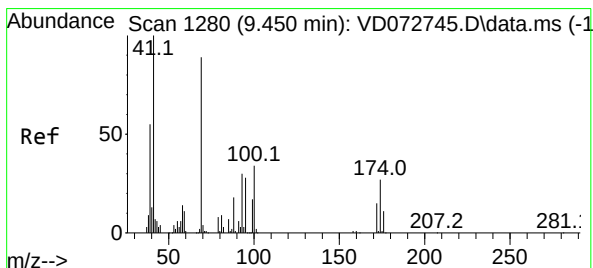
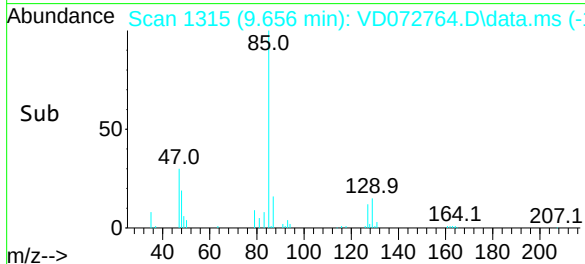
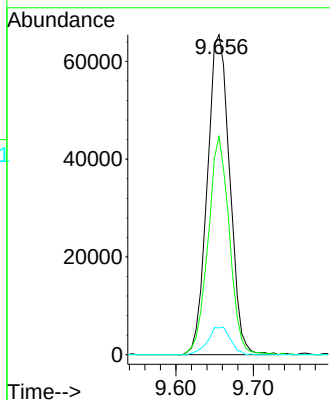
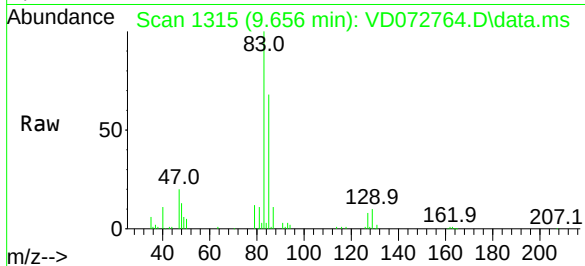




#47  
Bromodichloromethane  
Concen: 21.084 ug/l  
RT: 9.656 min Scan# 1315  
Delta R.T. -0.001 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

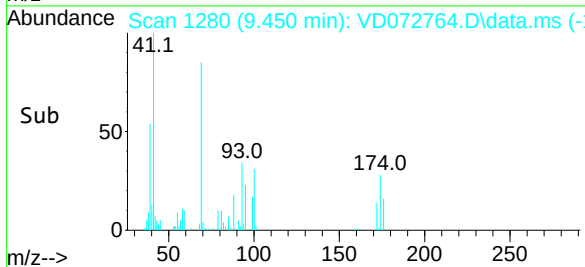
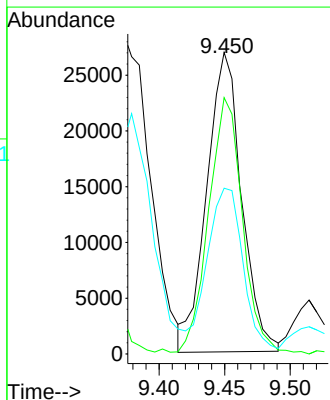
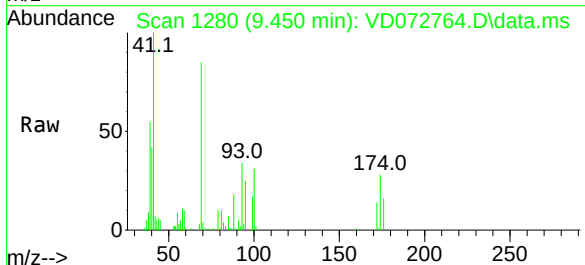
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

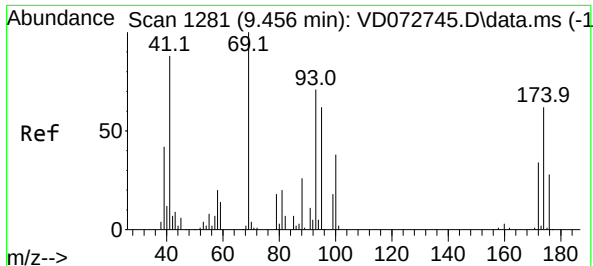
Tgt Ion: 83 Resp: 131525  
Ion Ratio Lower Upper  
83 100  
85 68.1 51.4 77.0  
127 8.4 6.1 9.1



#48  
Methyl methacrylate  
Concen: 20.650 ug/l  
RT: 9.450 min Scan# 1280  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 41 Resp: 49685  
Ion Ratio Lower Upper  
41 100  
69 83.5 56.7 85.1  
39 53.6 42.7 64.1





#49

1,4-Dioxane

Concen: 418.646 ug/l

RT: 9.456 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBSD01

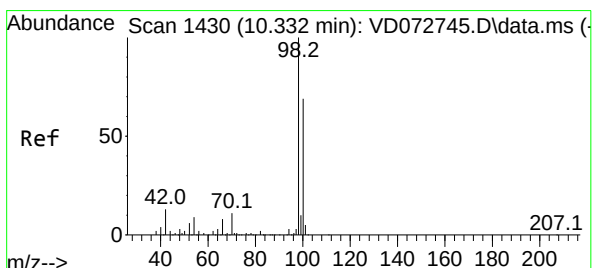
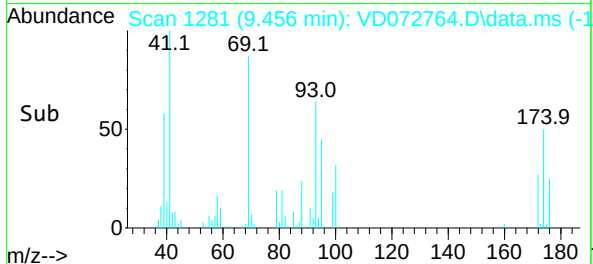
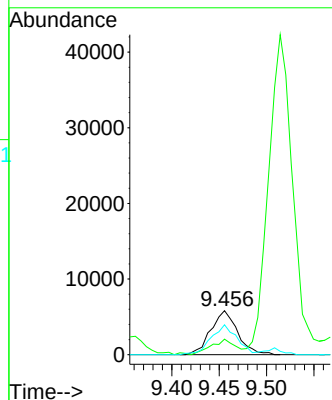
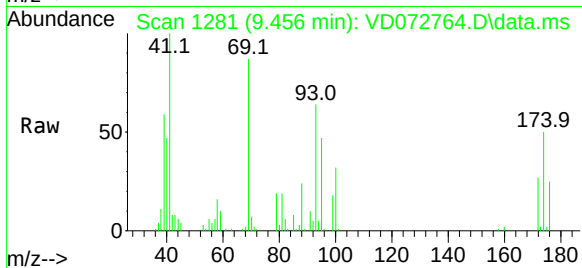
Tgt Ion: 88 Resp: 11432

Ion Ratio Lower Upper

88 100

43 31.1 31.0 46.4

58 66.2 58.1 87.1



#50

Toluene-d8

Concen: 53.174 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD072764.D

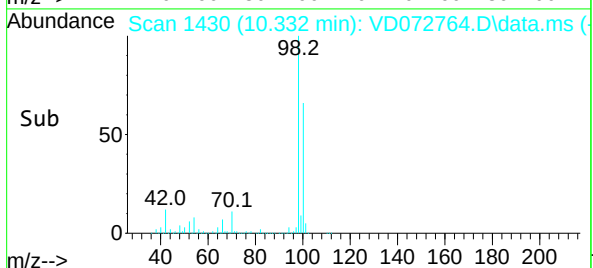
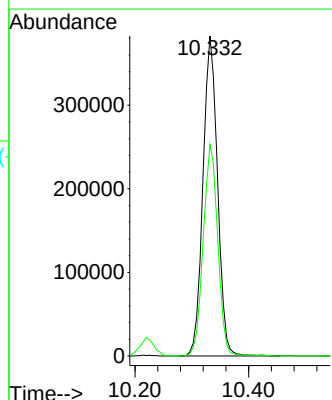
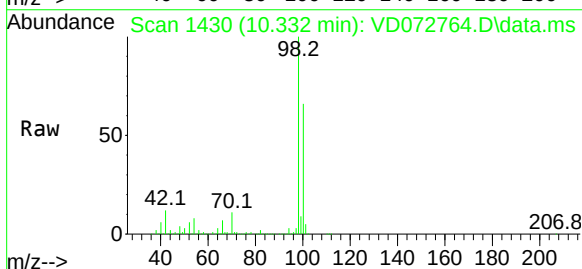
Acq: 03 May 2022 13:03

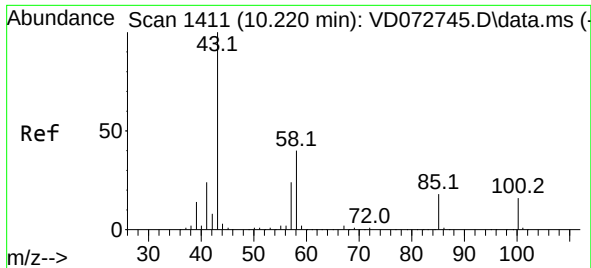
Tgt Ion: 98 Resp: 679953

Ion Ratio Lower Upper

98 100

100 66.0 52.4 78.6

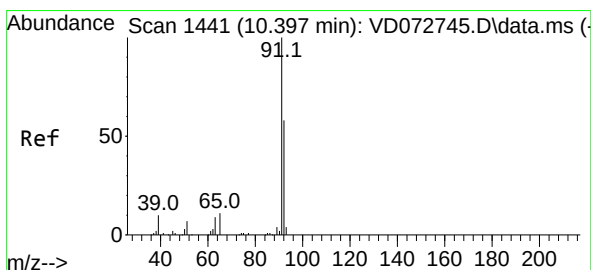
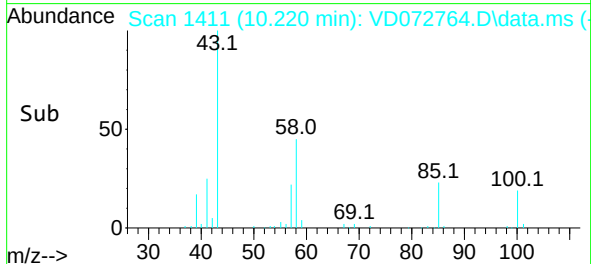
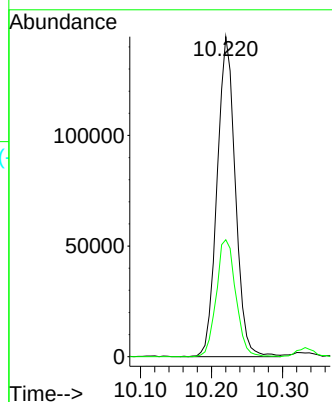
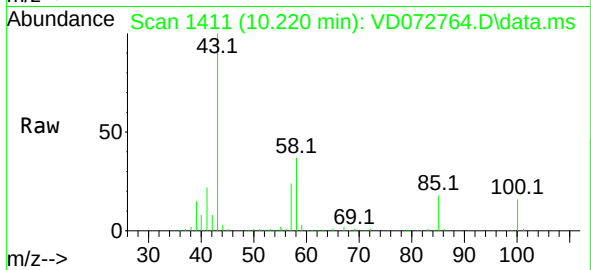




#51  
4-Methyl-2-Pentanone  
Concen: 100.739 ug/l  
RT: 10.220 min Scan# 1411  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

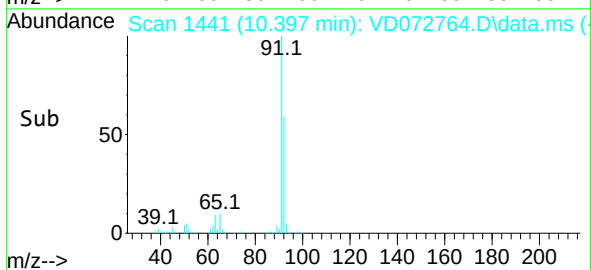
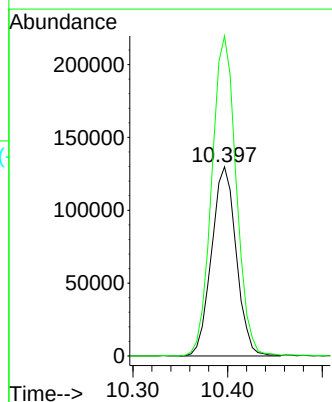
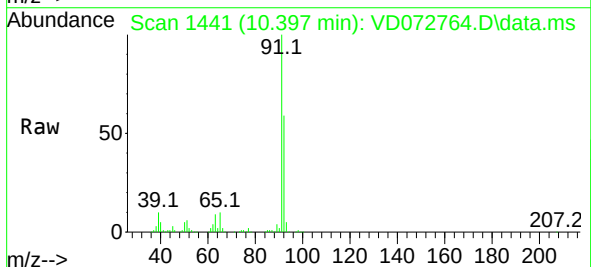
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

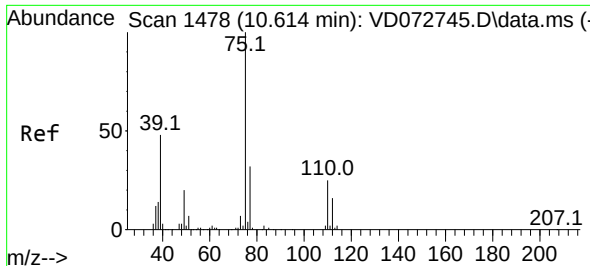
Tgt Ion: 43 Resp: 257455  
Ion Ratio Lower Upper  
43 100  
58 39.0 28.6 43.0



#52  
Toluene  
Concen: 22.472 ug/l  
RT: 10.397 min Scan# 1441  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 92 Resp: 234649  
Ion Ratio Lower Upper  
92 100  
91 168.1 139.6 209.4

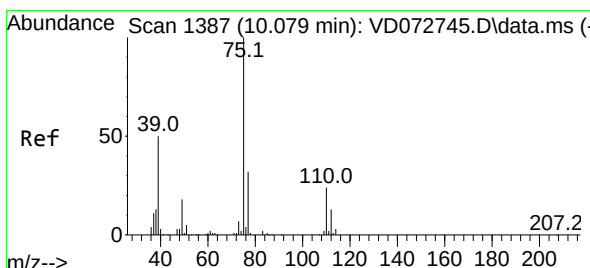
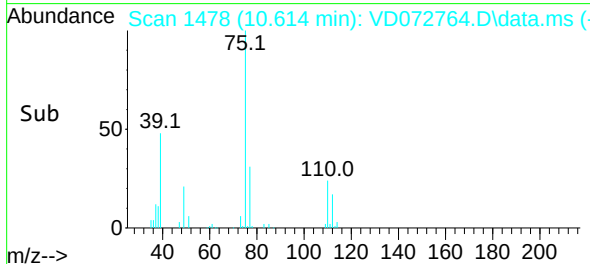
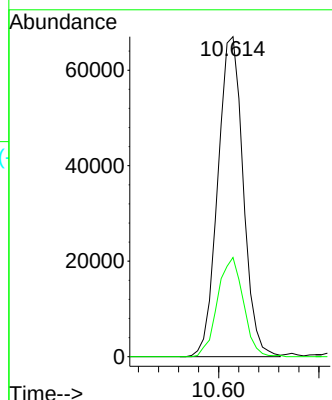
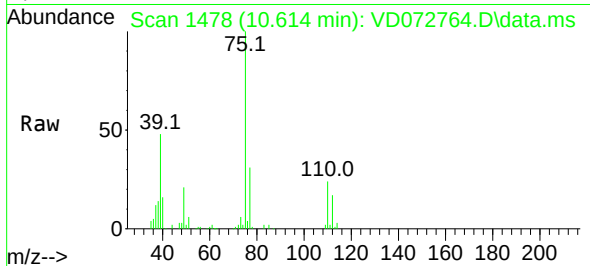




#53  
t-1,3-Dichloropropene  
Concen: 20.554 ug/l  
RT: 10.614 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

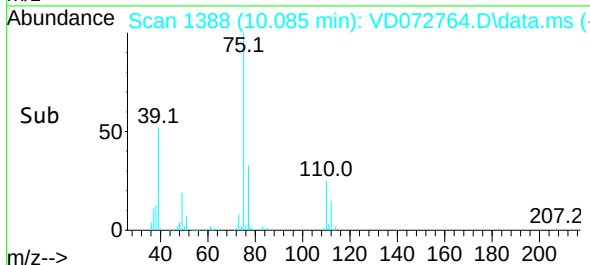
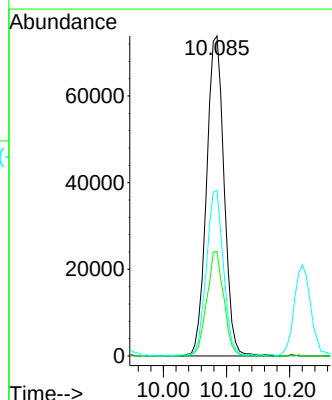
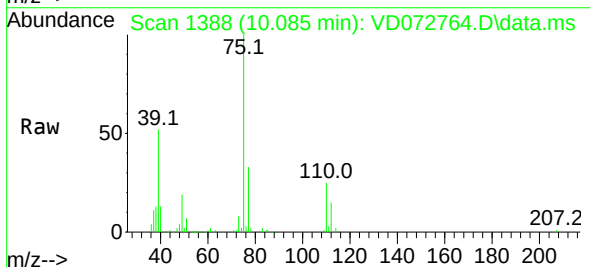
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

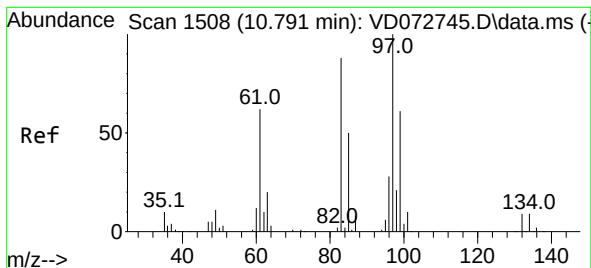
Tgt Ion: 75 Resp: 117775  
Ion Ratio Lower Upper  
75 100  
77 31.0 24.5 36.7



#54  
cis-1,3-Dichloropropene  
Concen: 21.391 ug/l  
RT: 10.085 min Scan# 1388  
Delta R.T. 0.006 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 75 Resp: 142404  
Ion Ratio Lower Upper  
75 100  
77 32.7 24.8 37.2  
39 51.6 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 20.598 ug/l

RT: 10.791 min Scan# 1508

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBS01

Tgt Ion: 97 Resp: 67525

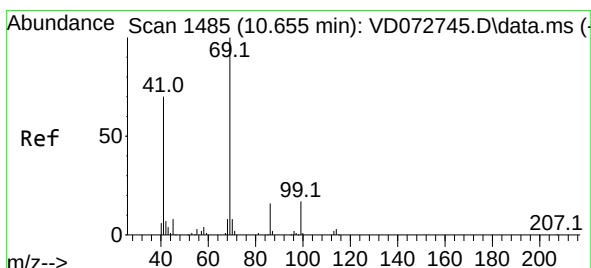
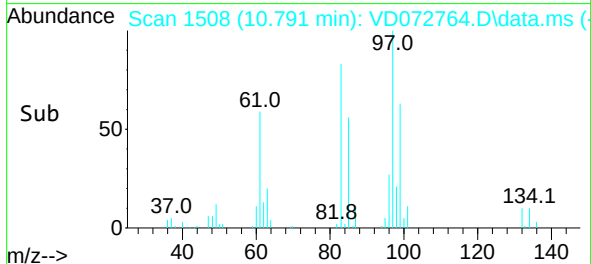
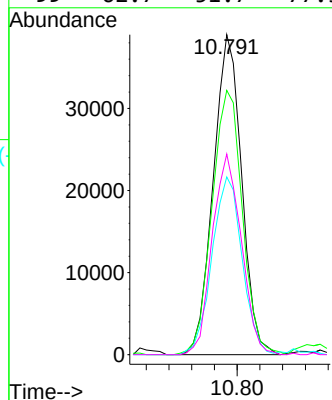
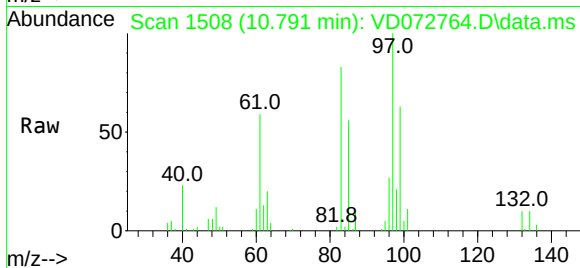
Ion Ratio Lower Upper

97 100

83 82.2 69.0 103.4

85 55.5 42.6 63.8

99 62.7 51.7 77.5



#56

Ethyl methacrylate

Concen: 20.511 ug/l

RT: 10.655 min Scan# 1485

Delta R.T. 0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

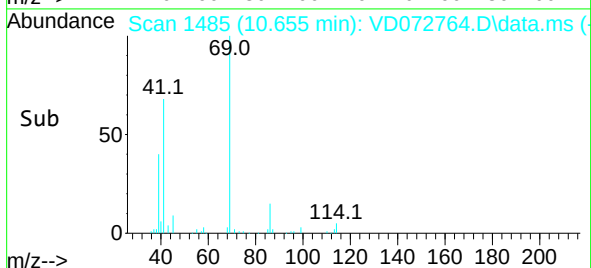
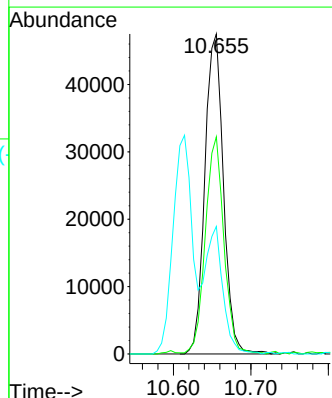
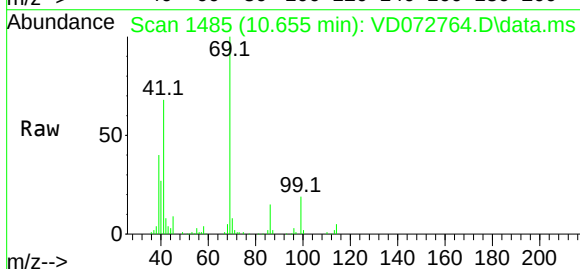
Tgt Ion: 69 Resp: 79167

Ion Ratio Lower Upper

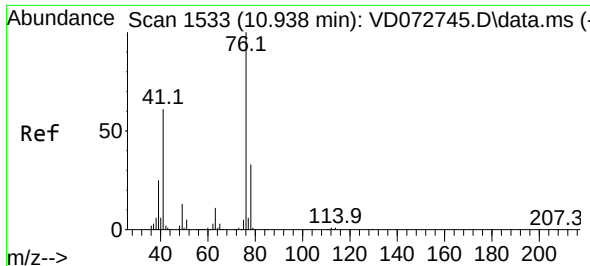
69 100

41 67.9 63.0 94.6

39 38.4 33.8 50.8







#57

1,3-Dichloropropane

Concen: 21.075 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

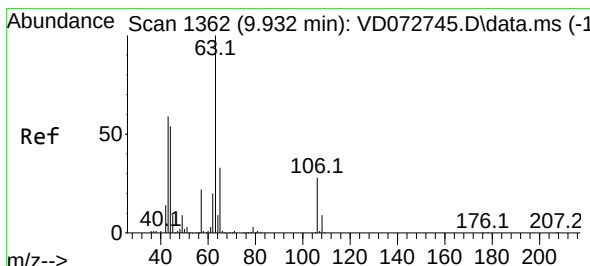
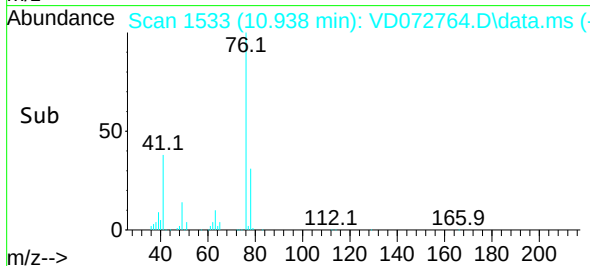
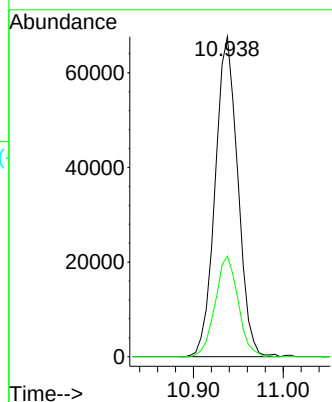
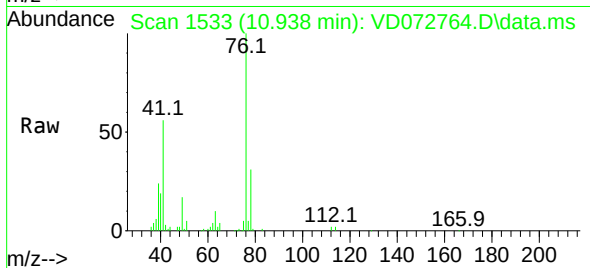
VD0503SBSD01

Tgt Ion: 76 Resp: 118559

Ion Ratio Lower Upper

76 100

78 31.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 94.234 ug/l

RT: 9.932 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VD072764.D

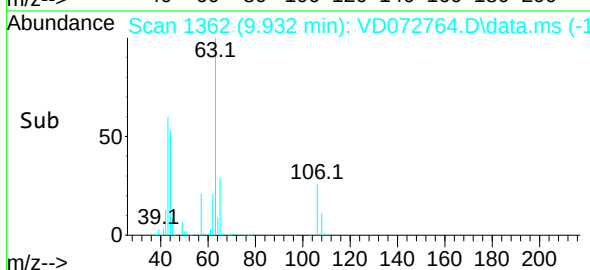
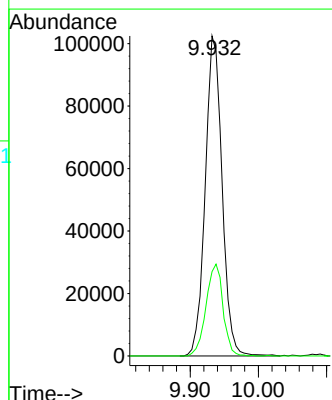
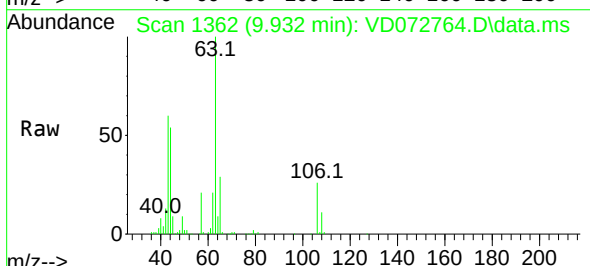
Acq: 03 May 2022 13:03

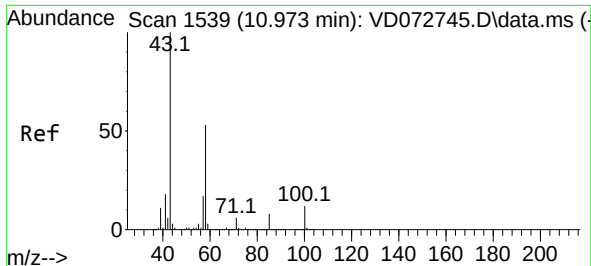
Tgt Ion: 63 Resp: 176346

Ion Ratio Lower Upper

63 100

106 28.9 21.4 32.0

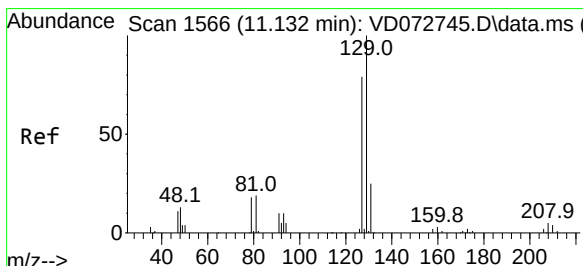
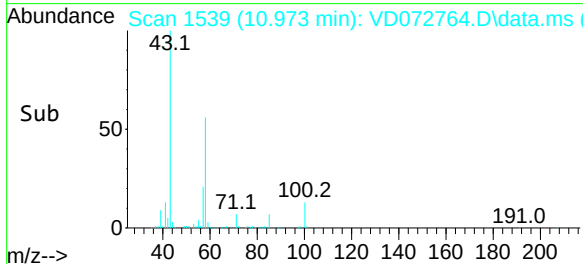
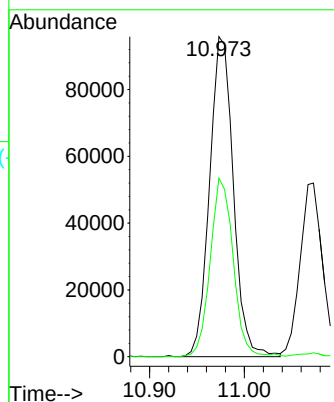
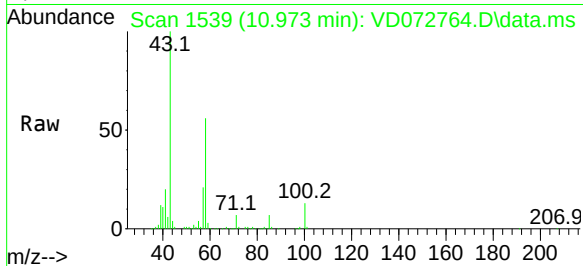




#59  
2-Hexanone  
Concen: 97.200 ug/l  
RT: 10.973 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

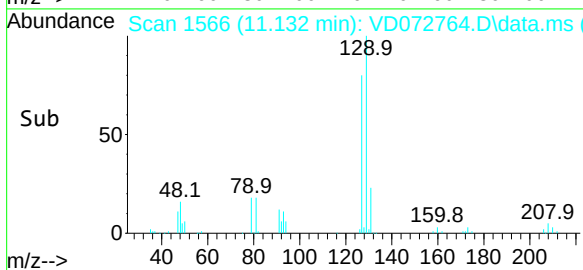
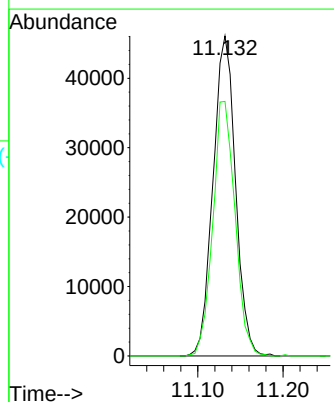
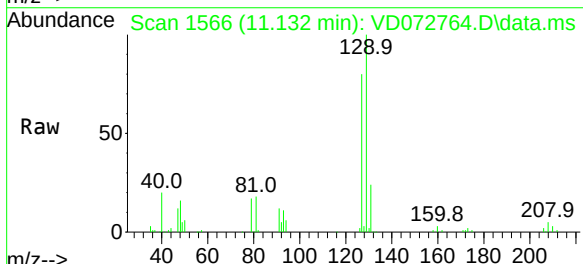
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

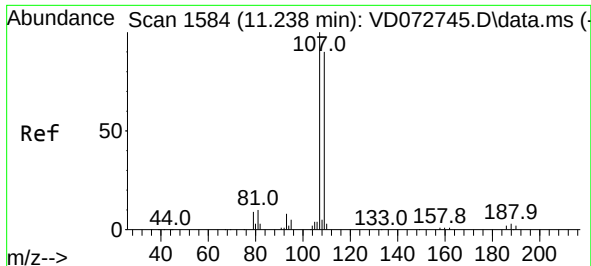
Tgt Ion: 43 Resp: 167152  
Ion Ratio Lower Upper  
43 100  
58 53.8 25.3 75.9



#60  
Dibromochloromethane  
Concen: 20.452 ug/l  
RT: 11.132 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 129 Resp: 84402  
Ion Ratio Lower Upper  
129 100  
127 78.8 39.2 117.6

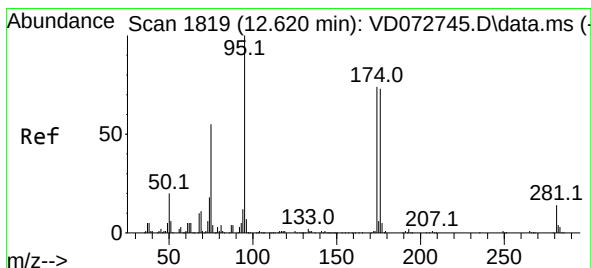
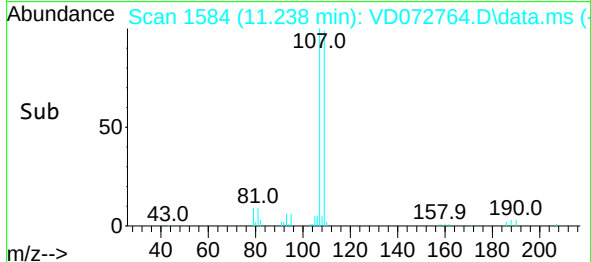
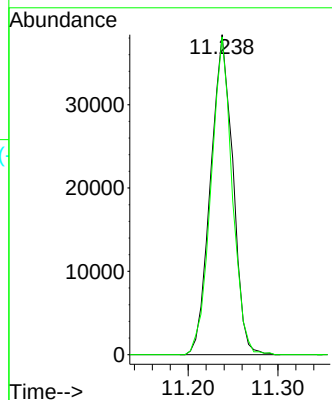
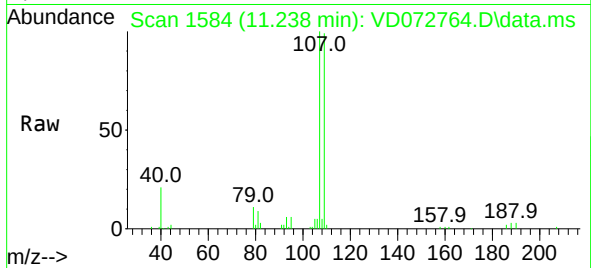




#61  
1,2-Dibromoethane  
Concen: 20.731 ug/l  
RT: 11.238 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

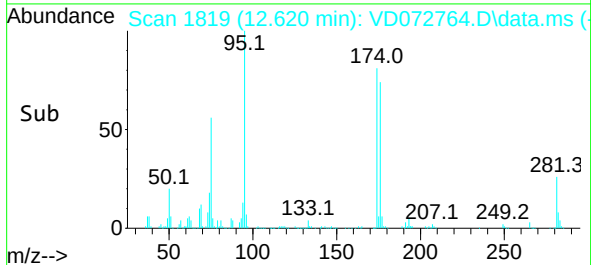
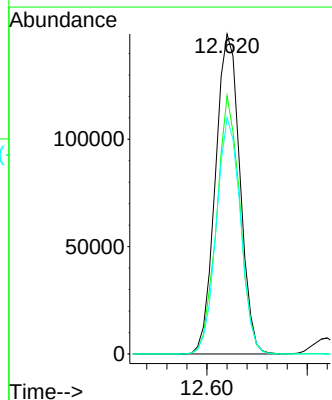
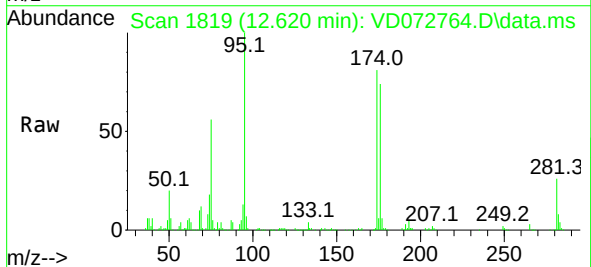
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

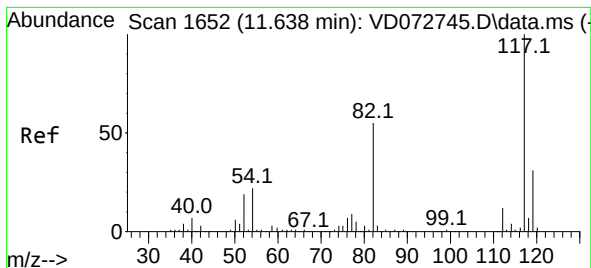
Tgt Ion:107 Resp: 66148  
Ion Ratio Lower Upper  
107 100  
109 94.4 74.2 111.4



#62  
4-Bromofluorobenzene  
Concen: 52.892 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 95 Resp: 252191  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 152.8  
176 72.7 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBS01

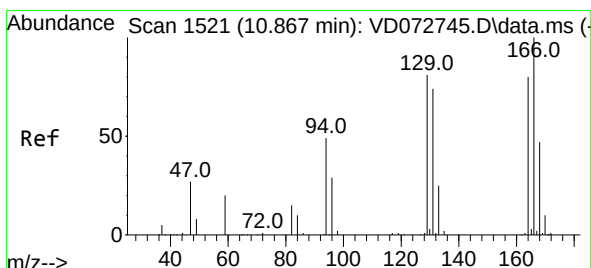
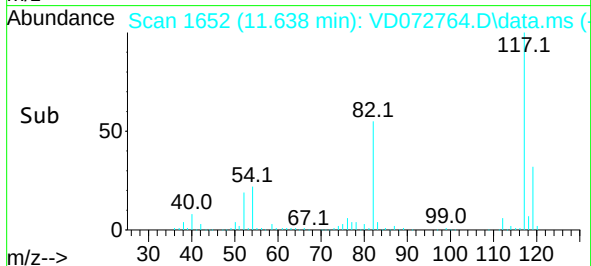
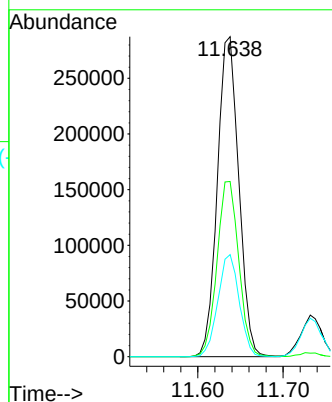
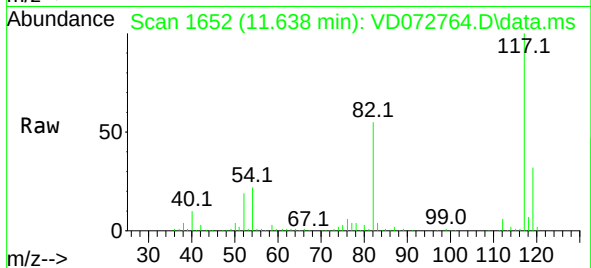
Tgt Ion:117 Resp: 502359

Ion Ratio Lower Upper

117 100

82 54.8 45.3 67.9

119 31.9 26.6 40.0



#64

Tetrachloroethene

Concen: 21.505 ug/l

RT: 10.867 min Scan# 1521

Delta R.T. 0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Tgt Ion:164 Resp: 78985

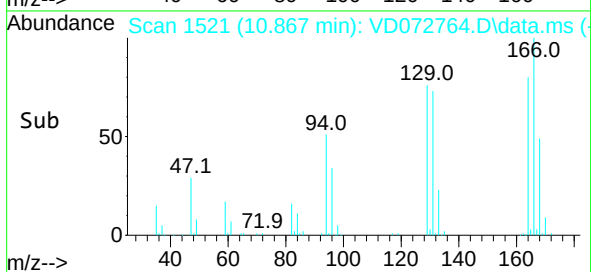
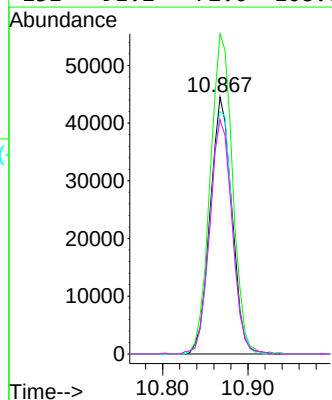
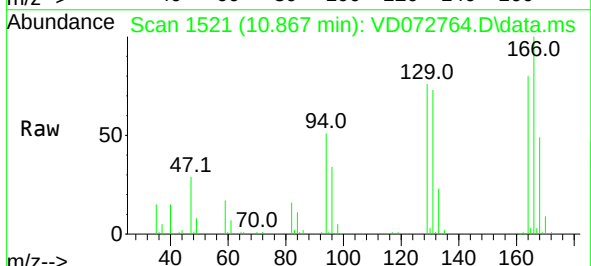
Ion Ratio Lower Upper

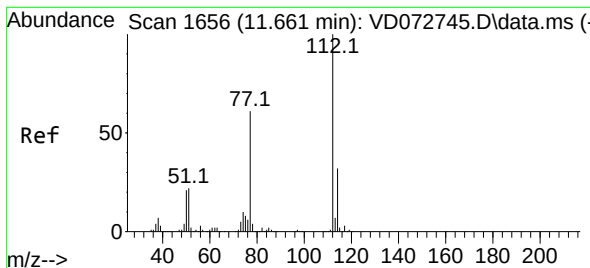
164 100

166 124.6 98.5 147.7

129 94.3 74.6 111.8

131 91.2 72.0 108.0





#65

Chlorobenzene

Concen: 21.265 ug/l

RT: 11.661 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

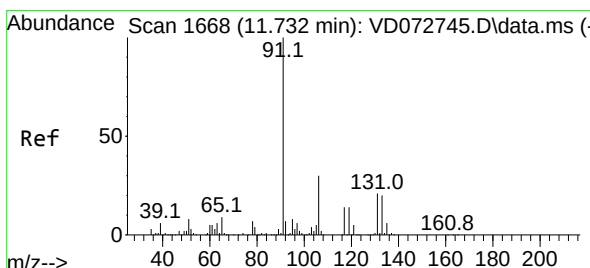
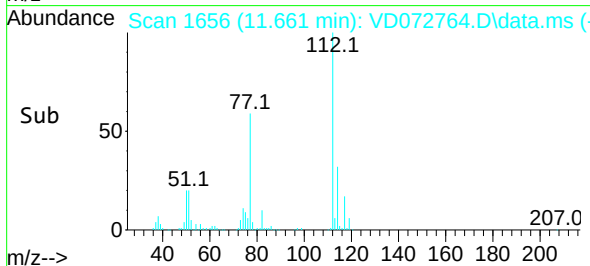
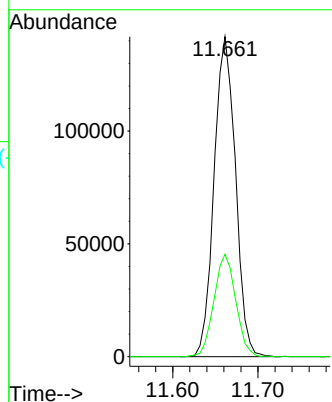
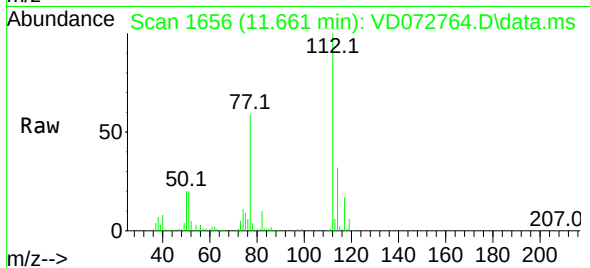
VD0503SBSD01

Tgt Ion:112 Resp: 247082

Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 21.227 ug/l

RT: 11.732 min Scan# 1668

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

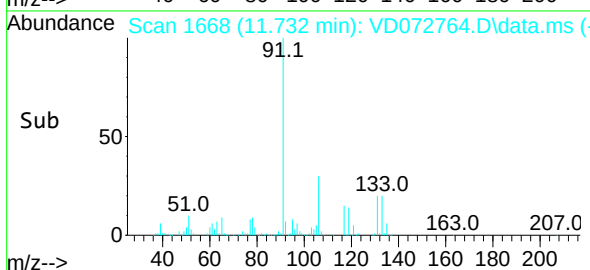
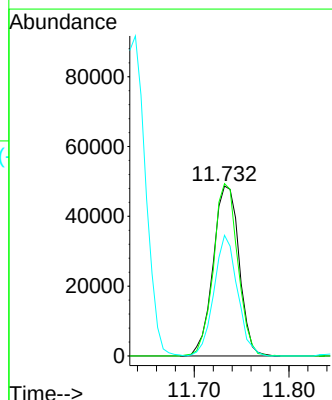
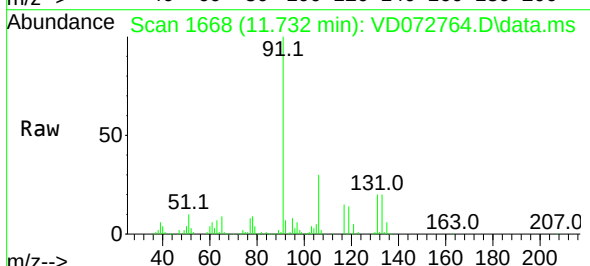
Tgt Ion:131 Resp: 92690

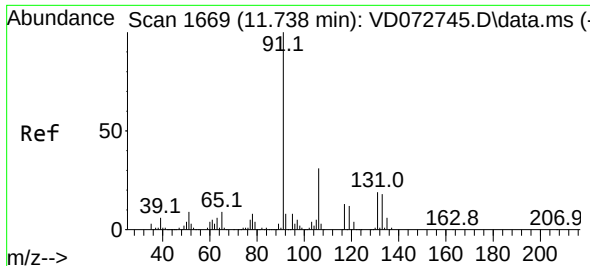
Ion Ratio Lower Upper

131 100

133 95.6 48.1 144.3

119 64.4 31.9 95.9

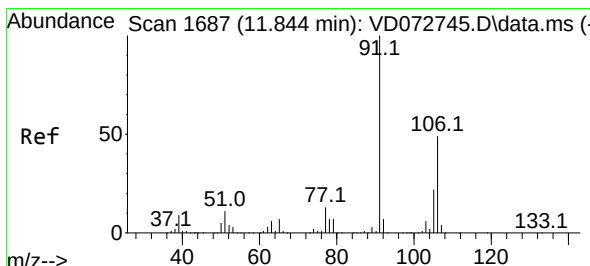
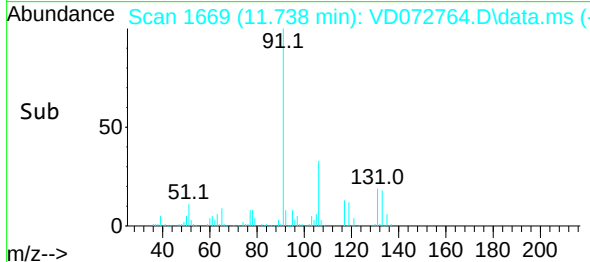
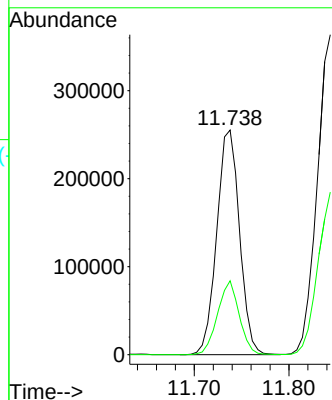
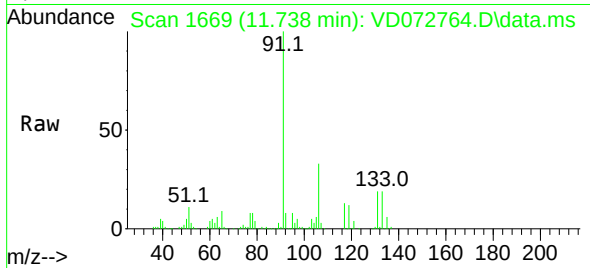




#67  
Ethyl Benzene  
Concen: 21.230 ug/l  
RT: 11.738 min Scan# 1669  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

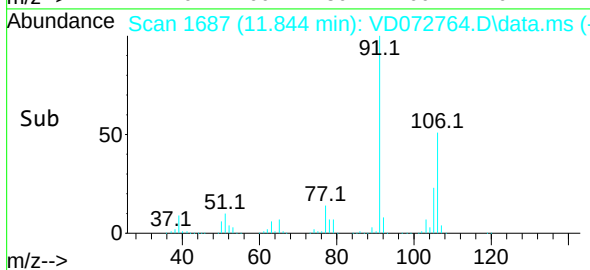
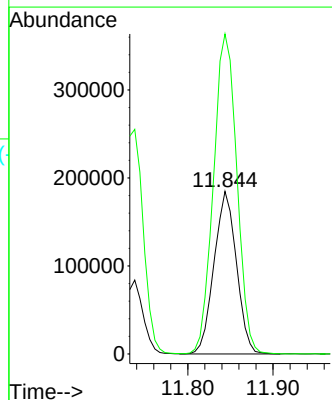
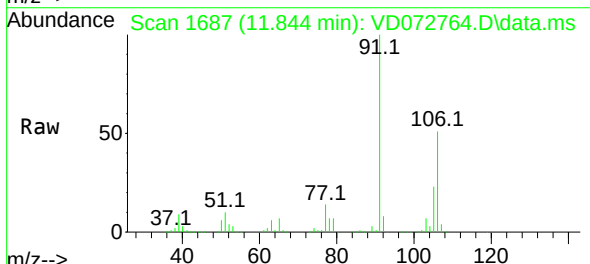
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

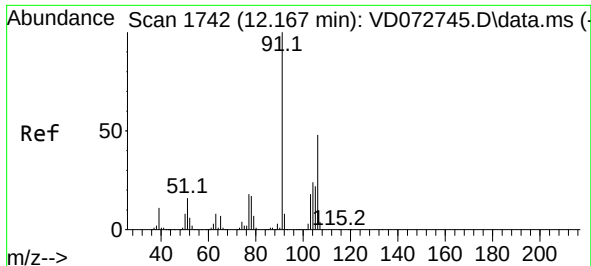
Tgt Ion: 91 Resp: 426901  
Ion Ratio Lower Upper  
91 100  
106 32.9 24.2 36.4



#68  
m/p-Xylenes  
Concen: 43.608 ug/l  
RT: 11.844 min Scan# 1687  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 106 Resp: 337784  
Ion Ratio Lower Upper  
106 100  
91 205.5 163.7 245.5

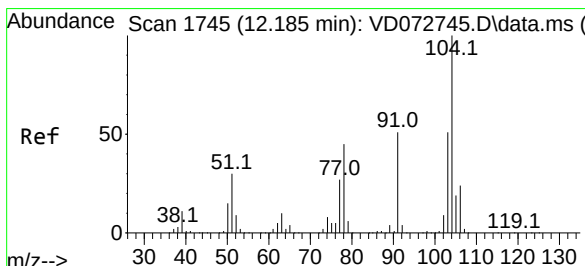
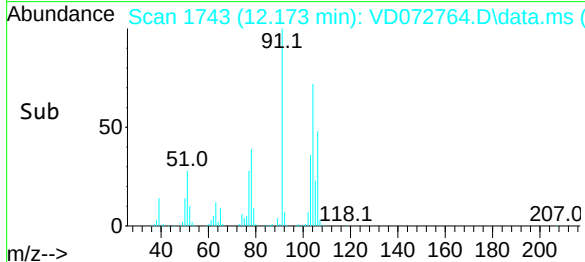
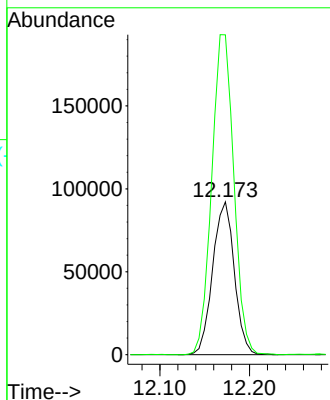
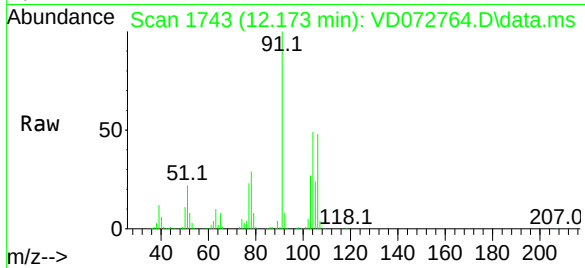




#69  
o-Xylene  
Concen: 21.312 ug/l  
RT: 12.173 min Scan# 1743  
Delta R.T. 0.006 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

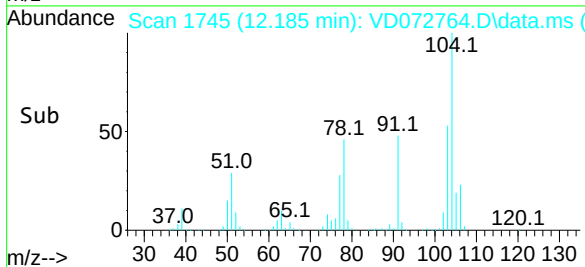
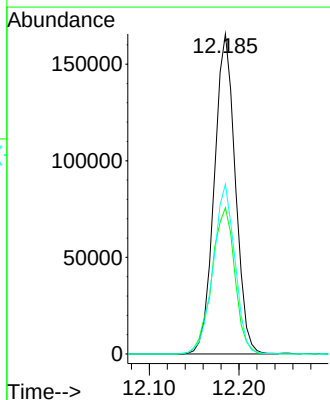
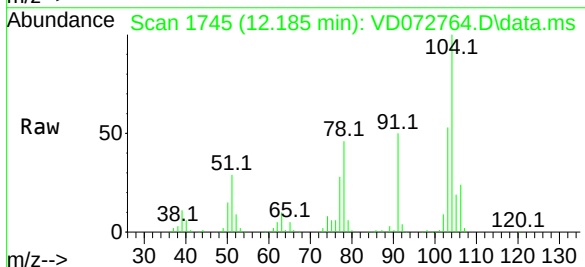
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

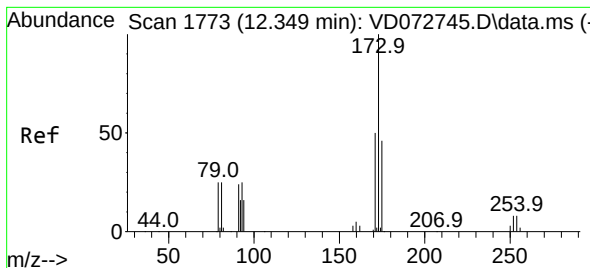
Tgt Ion:106 Resp: 154171  
Ion Ratio Lower Upper  
106 100  
91 214.4 110.4 331.2



#70  
Styrene  
Concen: 21.494 ug/l  
RT: 12.185 min Scan# 1745  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion:104 Resp: 269407  
Ion Ratio Lower Upper  
104 100  
78 50.2 41.8 62.8  
103 54.7 44.2 66.4





#71

Bromoform

Concen: 20.296 ug/l

RT: 12.349 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBS01

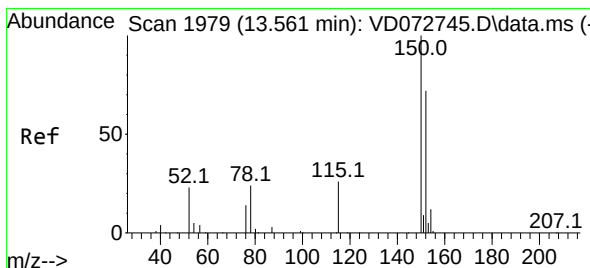
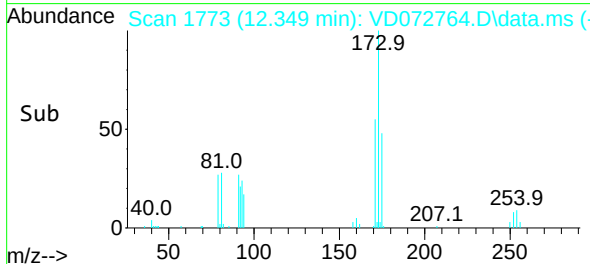
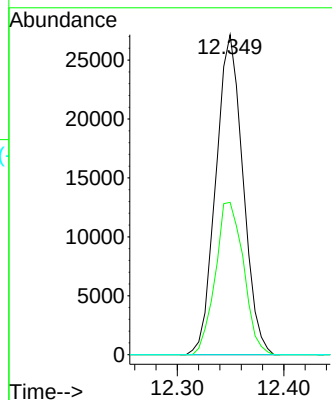
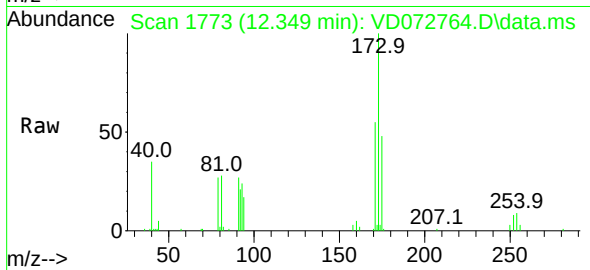
Tgt Ion:173 Resp: 48033

Ion Ratio Lower Upper

173 100

175 49.4 23.9 71.8

254 0.0 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: VD072764.D

Acq: 03 May 2022 13:03

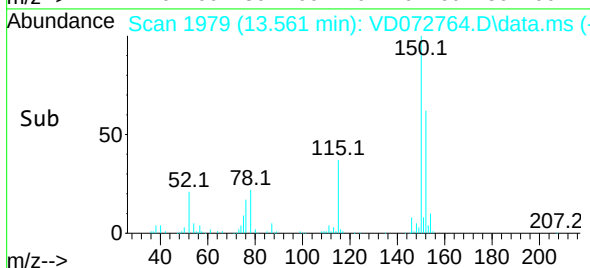
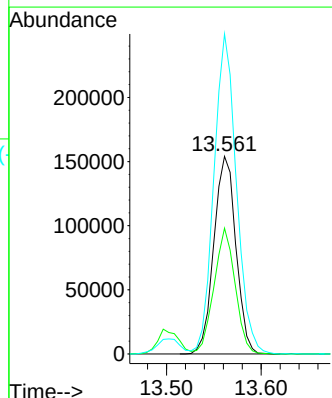
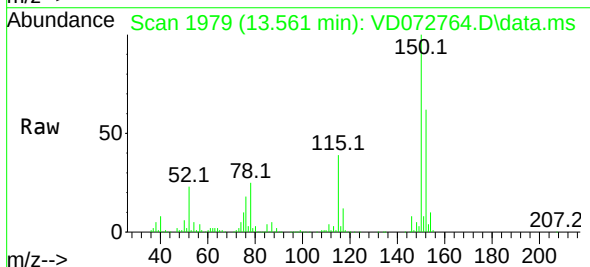
Tgt Ion:152 Resp: 249470

Ion Ratio Lower Upper

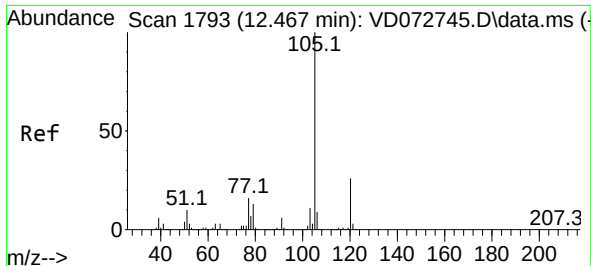
152 100

115 61.0 31.3 93.8

150 165.1 0.0 348.6



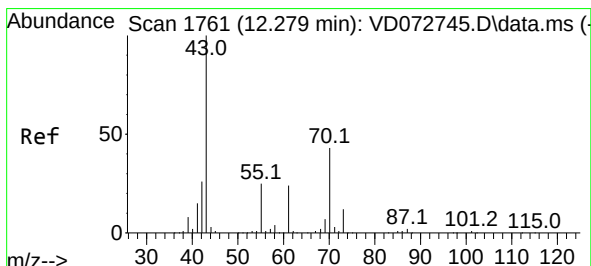
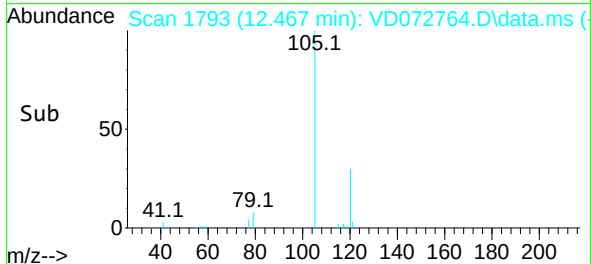
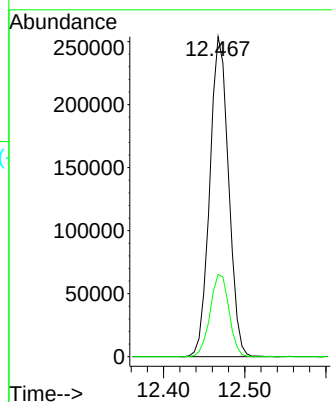
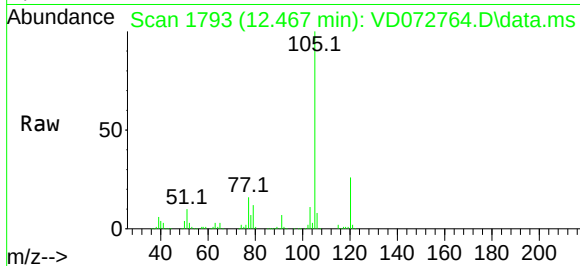




#73  
Isopropylbenzene  
Concen: 21.023 ug/l  
RT: 12.467 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

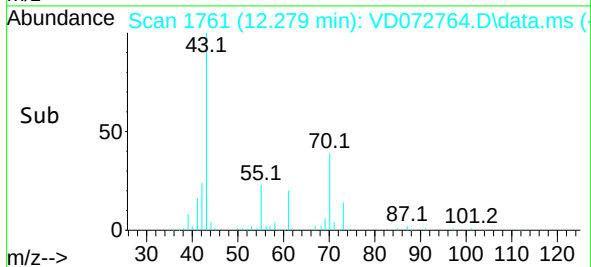
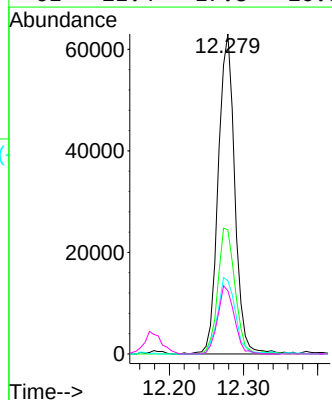
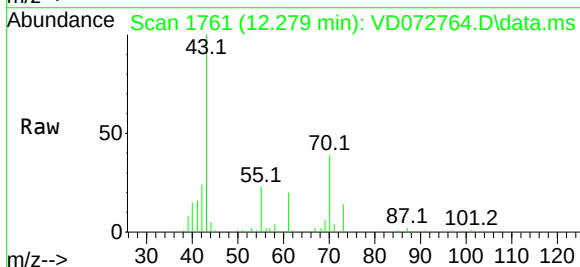
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBS01

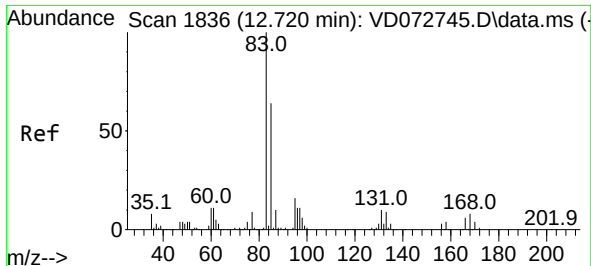
Tgt Ion:105 Resp: 408041  
Ion Ratio Lower Upper  
105 100  
120 25.8 13.0 38.9



#74  
N-ethyl acetate  
Concen: 20.219 ug/l  
RT: 12.279 min Scan# 1761  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 43 Resp: 97728  
Ion Ratio Lower Upper  
43 100  
70 40.7 31.3 46.9  
55 25.4 20.0 30.0  
61 21.4 17.8 26.8

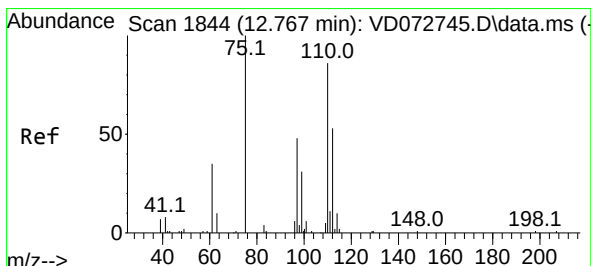
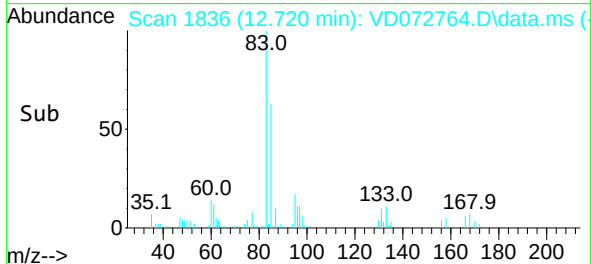
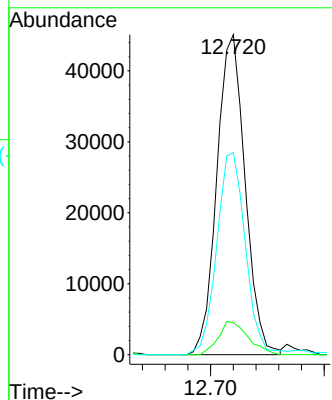
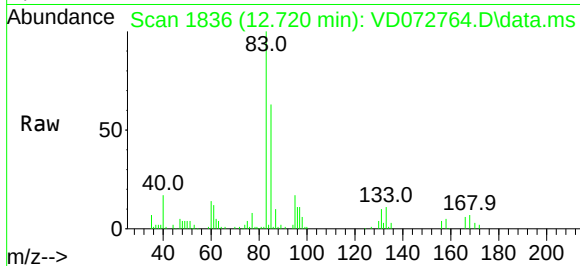




#75  
1,1,2-Tetrachloroethane  
Concen: 19.920 ug/l  
RT: 12.720 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

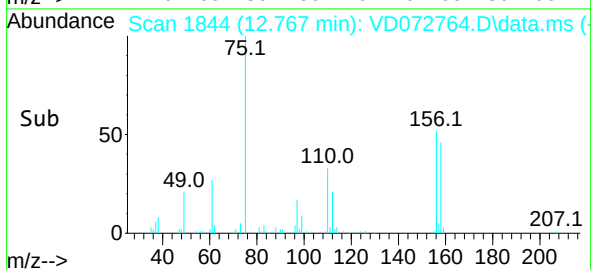
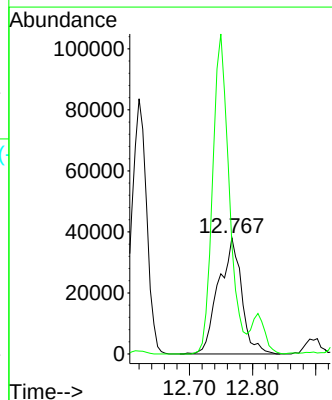
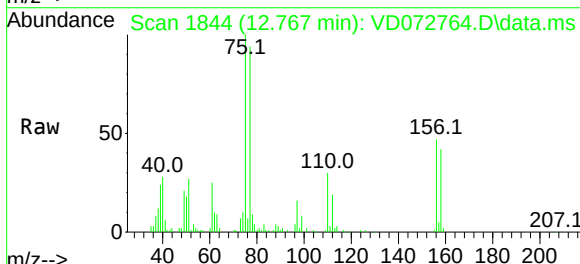
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

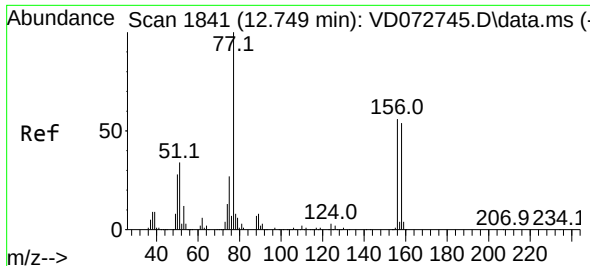
Tgt Ion: 83 Resp: 78048  
Ion Ratio Lower Upper  
83 100  
131 10.9 5.0 14.9  
85 63.8 32.6 98.0



#76  
1,2,3-Trichloropropane  
Concen: 34.633 ug/l  
RT: 12.767 min Scan# 1844  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 75 Resp: 96341  
Ion Ratio Lower Upper  
75 100  
77 199.4 0.0 0.0#

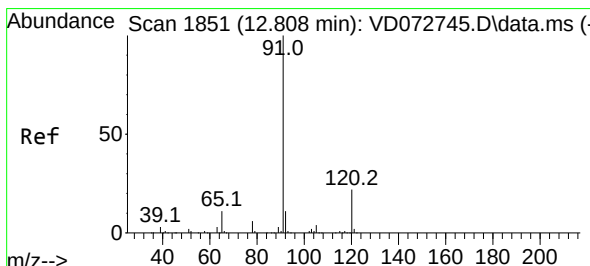
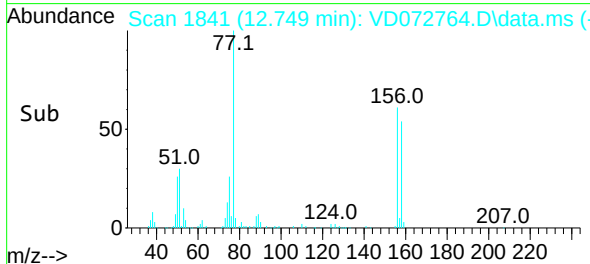
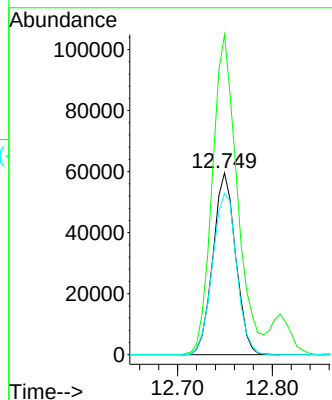
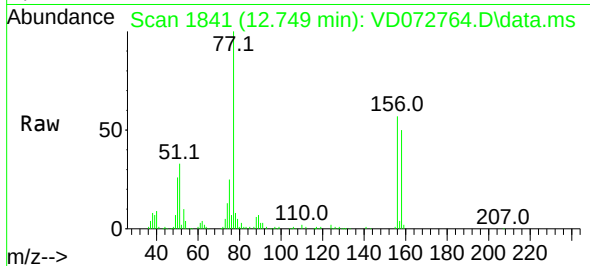




#77  
Bromobenzene  
Concen: 21.534 ug/l  
RT: 12.749 min Scan# 1841  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

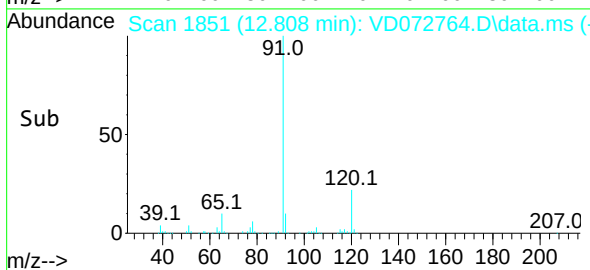
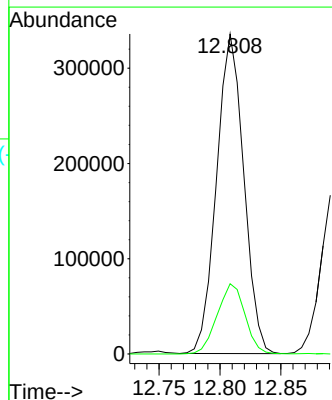
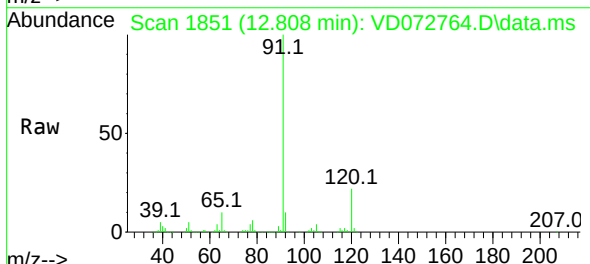
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

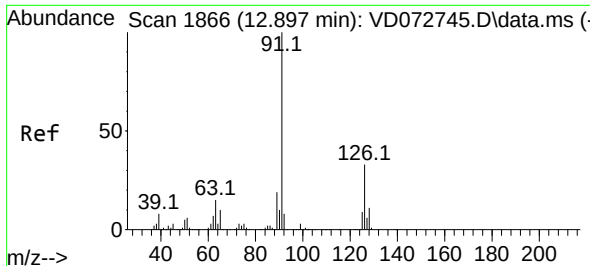
Tgt Ion:156 Resp: 99249  
Ion Ratio Lower Upper  
156 100  
77 193.6 102.8 308.3  
158 94.9 48.7 146.1



#78  
n-propylbenzene  
Concen: 21.335 ug/l  
RT: 12.808 min Scan# 1851  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 91 Resp: 521906  
Ion Ratio Lower Upper  
91 100  
120 22.4 10.9 32.9

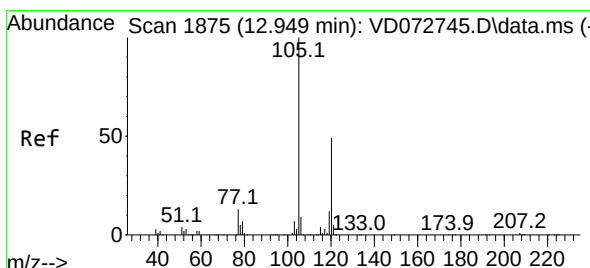
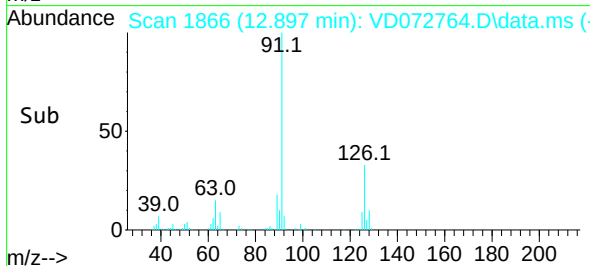
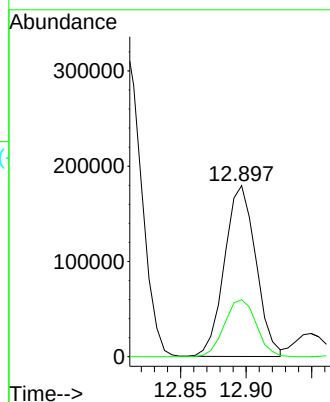
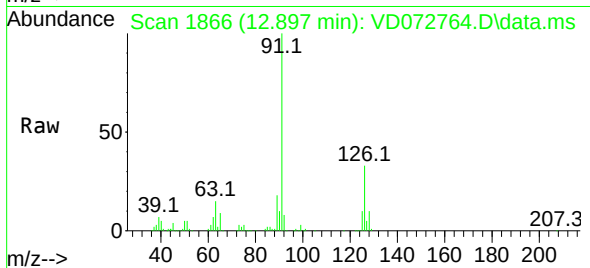




#79  
2-Chlorotoluene  
Concen: 20.897 ug/l  
RT: 12.897 min Scan# 1866  
Delta R.T. -0.001 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

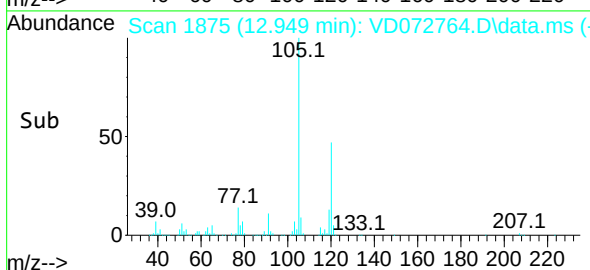
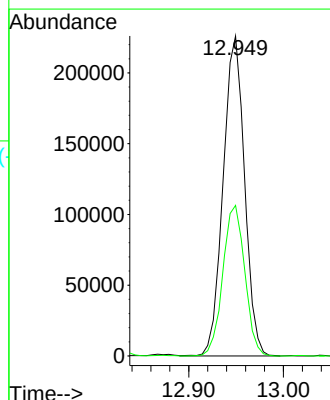
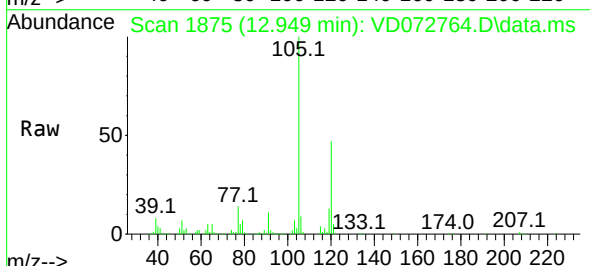
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

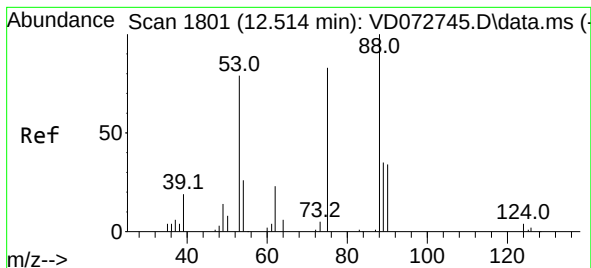
Tgt Ion: 91 Resp: 298617  
Ion Ratio Lower Upper  
91 100  
126 33.8 16.2 48.6



#80  
1,3,5-Trimethylbenzene  
Concen: 21.600 ug/l  
RT: 12.949 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 105 Resp: 355485  
Ion Ratio Lower Upper  
105 100  
120 48.2 24.3 72.8

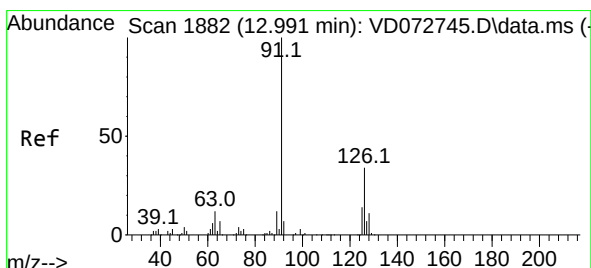
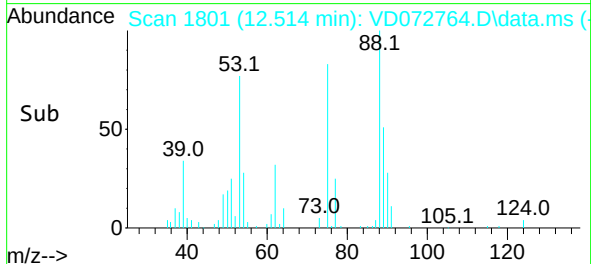
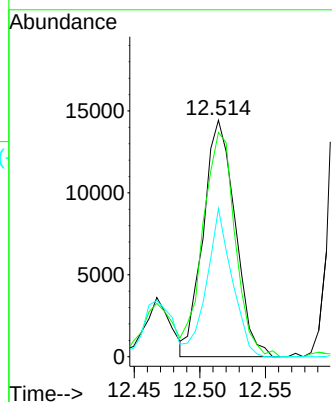
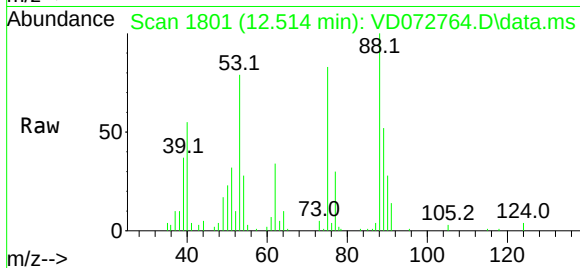




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.258 ug/l  
RT: 12.514 min Scan# 1801  
Delta R.T. 0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

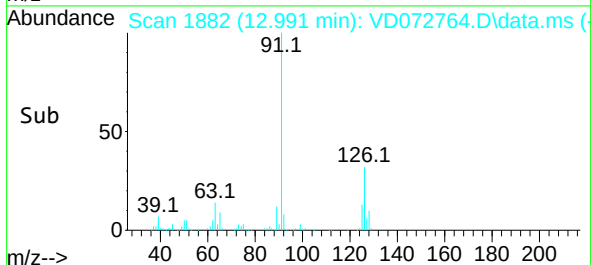
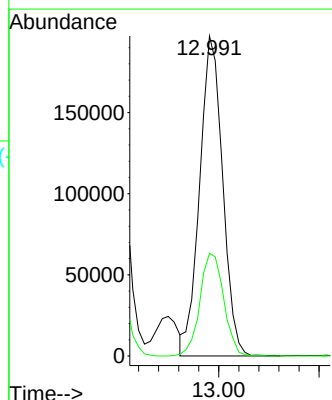
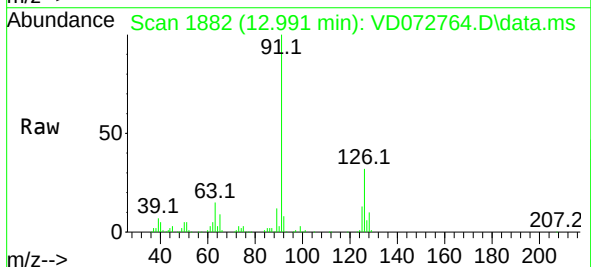
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0503SBSD01

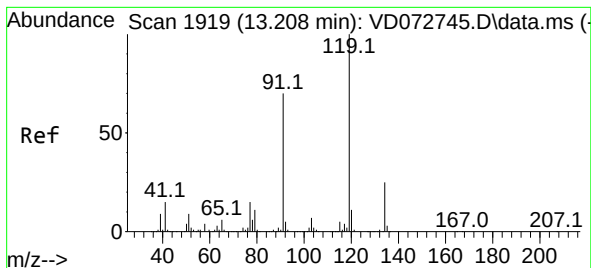
Tgt Ion: 75 Resp: 24506  
Ion Ratio Lower Upper  
75 100  
53 95.5 86.5 129.7  
89 50.0 33.9 50.9



#82  
4-Chlorotoluene  
Concen: 21.009 ug/l  
RT: 12.991 min Scan# 1882  
Delta R.T. -0.000 min  
Lab File: VD072764.D  
Acq: 03 May 2022 13:03

Tgt Ion: 91 Resp: 313677  
Ion Ratio Lower Upper  
91 100  
126 33.3 16.5 49.5





#83

tert-Butylbenzene

Concen: 20.972 ug/l

RT: 13.208 min Scan# 1919

Delta R.T. 0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBS01

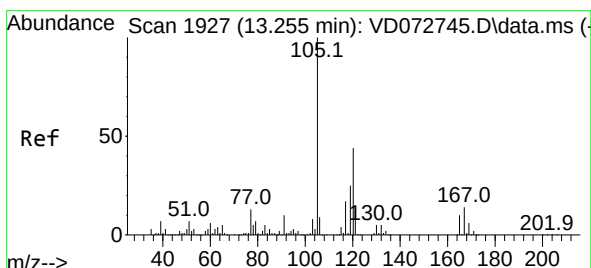
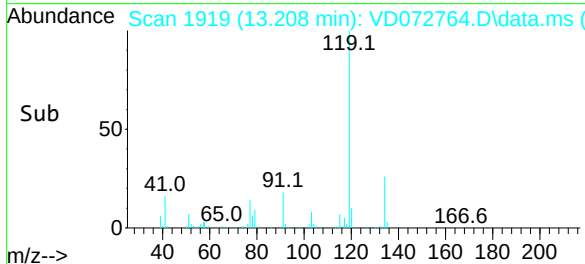
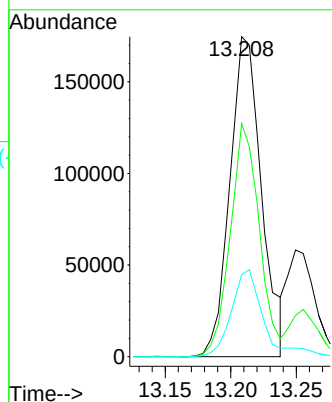
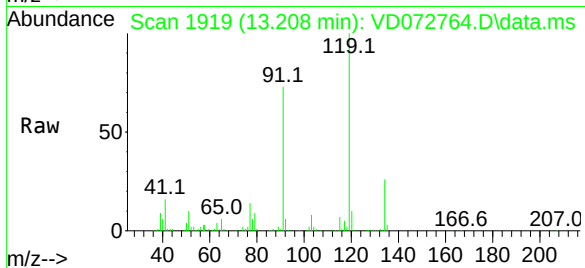
Tgt Ion:119 Resp: 293449

Ion Ratio Lower Upper

119 100

91 66.7 34.8 104.5

134 27.5 13.3 39.9



#84

1,2,4-Trimethylbenzene

Concen: 21.581 ug/l

RT: 13.255 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VD072764.D

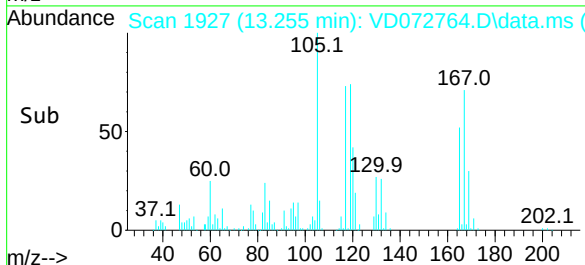
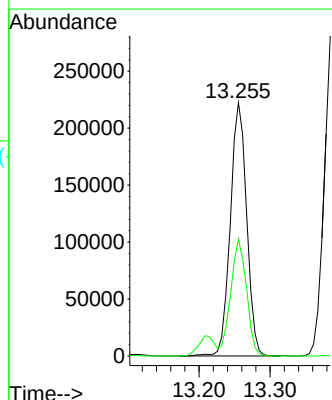
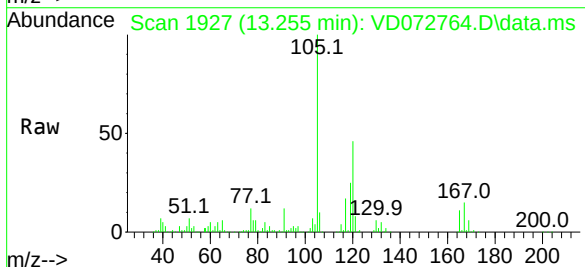
Acq: 03 May 2022 13:03

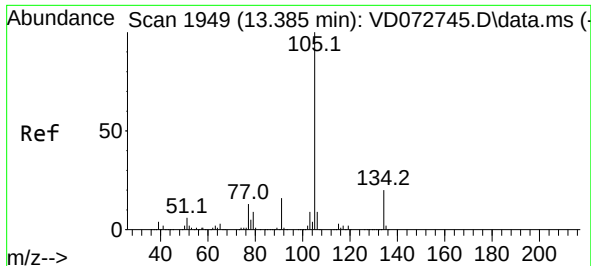
Tgt Ion:105 Resp: 355018

Ion Ratio Lower Upper

105 100

120 44.7 22.3 66.8

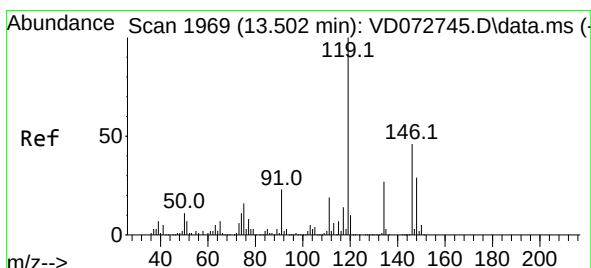
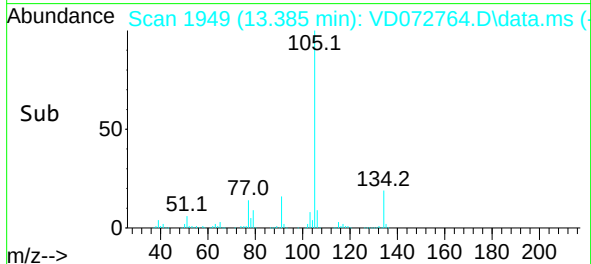
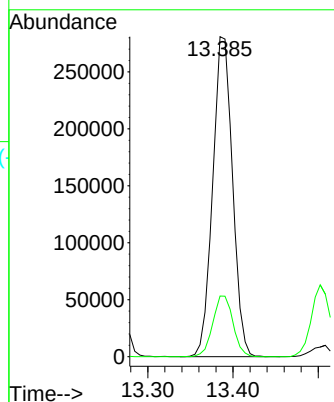
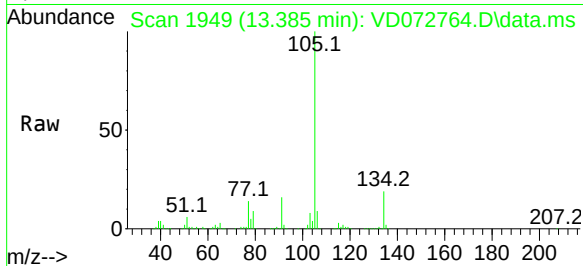




#85  
 sec-Butylbenzene  
 Concen: 21.493 ug/l  
 RT: 13.385 min Scan# 1949  
 Delta R.T. -0.000 min  
 Lab File: VD072764.D  
 Acq: 03 May 2022 13:03

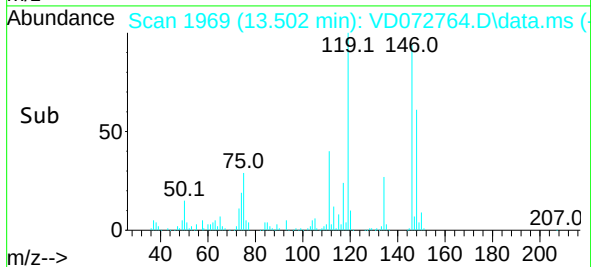
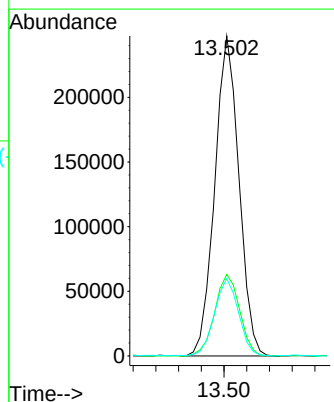
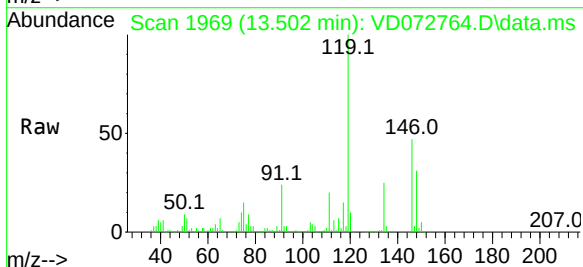
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0503SBSD01

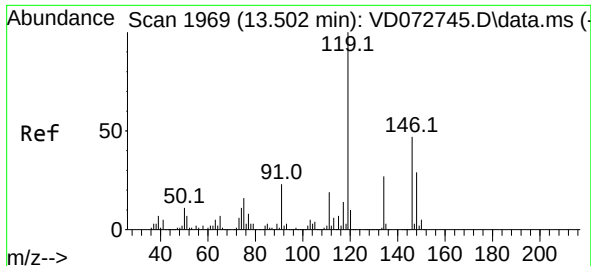
Tgt Ion:105 Resp: 453566  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 21.154 ug/l  
 RT: 13.502 min Scan# 1969  
 Delta R.T. 0.000 min  
 Lab File: VD072764.D  
 Acq: 03 May 2022 13:03

Tgt Ion:119 Resp: 366020  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 12.9 38.6  
 91 24.1 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.157 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBS01

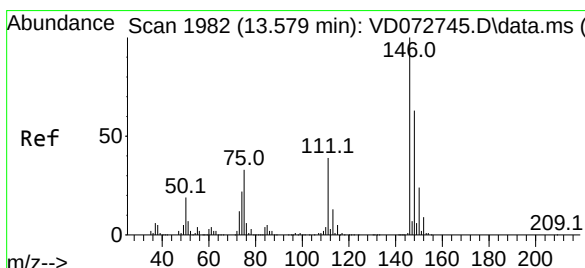
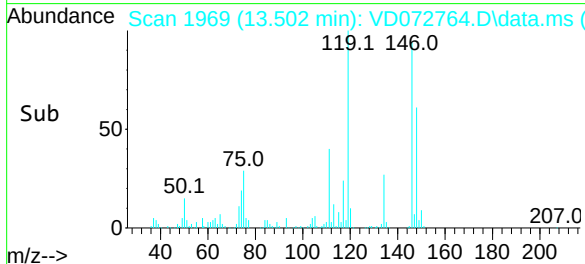
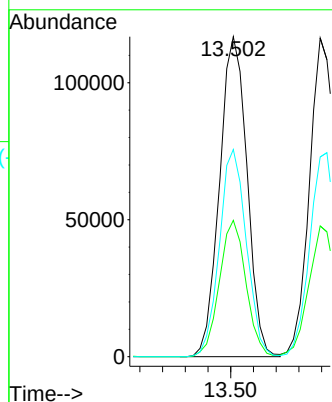
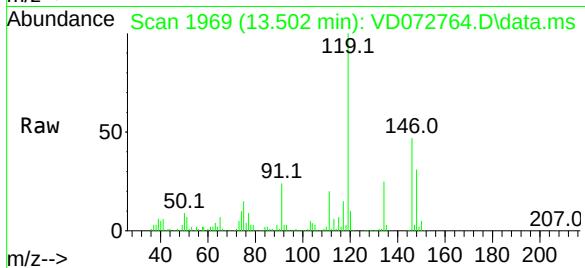
Tgt Ion:146 Resp: 196435

Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

148 63.5 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 20.723 ug/l

RT: 13.579 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

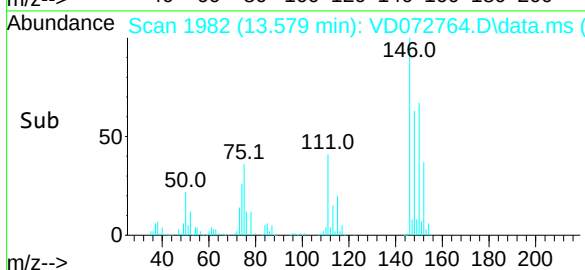
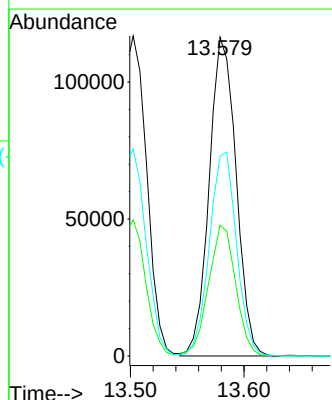
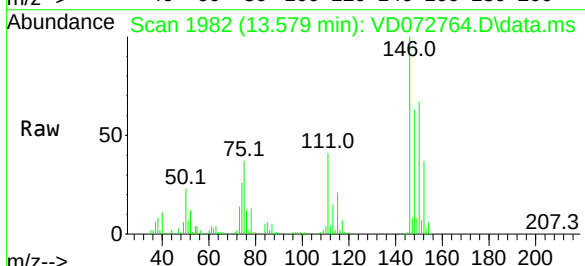
Tgt Ion:146 Resp: 191608

Ion Ratio Lower Upper

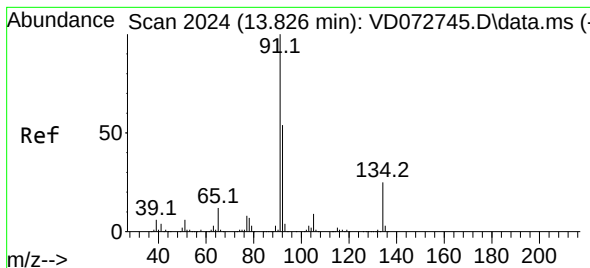
146 100

111 41.6 20.3 60.9

148 64.6 31.7 95.1







#89

n-Butylbenzene

Concen: 21.145 ug/l

RT: 13.826 min Scan# 2024

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBS01

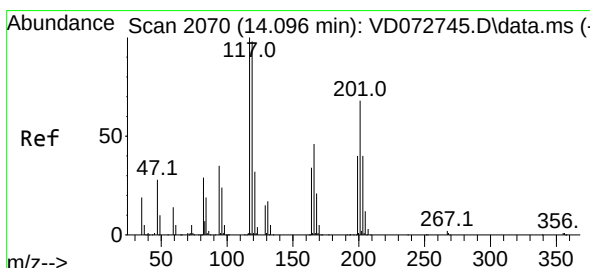
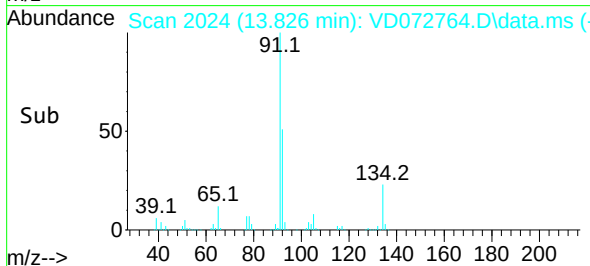
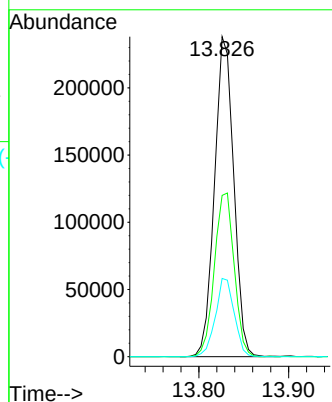
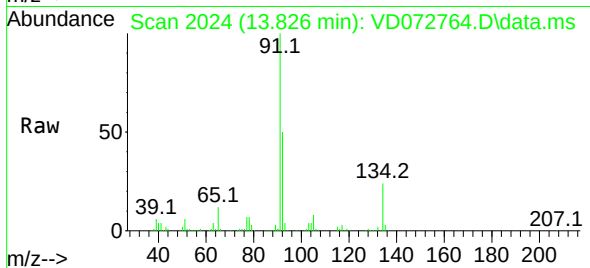
Tgt Ion: 91 Resp: 354420

Ion Ratio Lower Upper

91 100

92 52.7 26.6 79.8

134 24.0 12.3 36.9



#90

Hexachloroethane

Concen: 21.274 ug/l

RT: 14.096 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VD072764.D

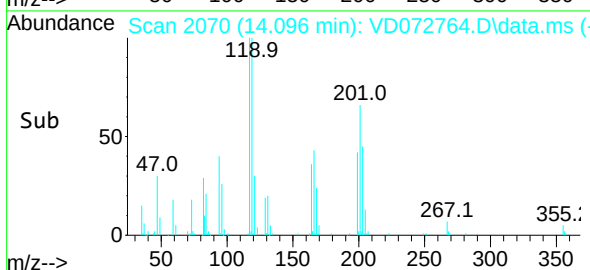
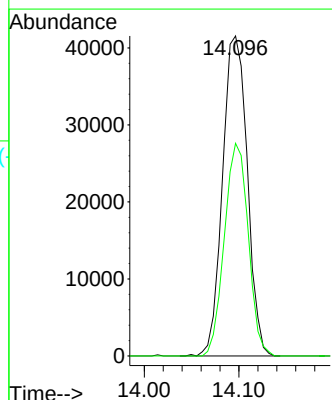
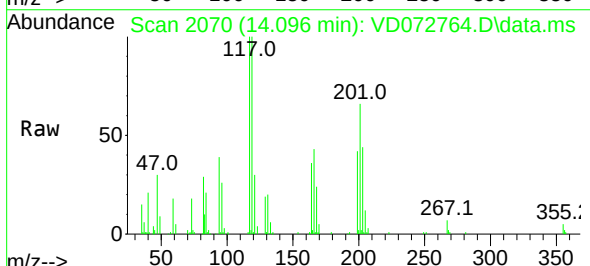
Acq: 03 May 2022 13:03

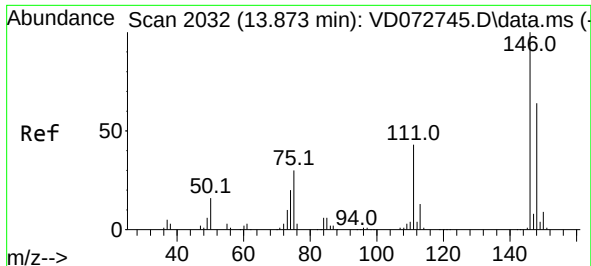
Tgt Ion: 117 Resp: 75409

Ion Ratio Lower Upper

117 100

201 64.2 33.4 100.2





#91

1,2-Dichlorobenzene

Concen: 21.059 ug/l

RT: 13.873 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBSD01

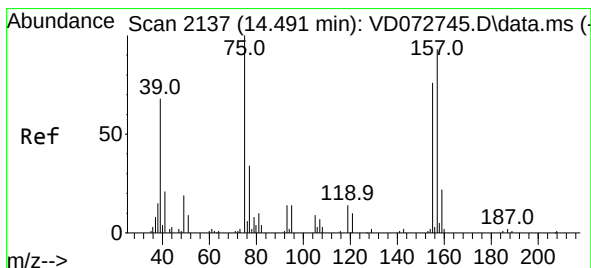
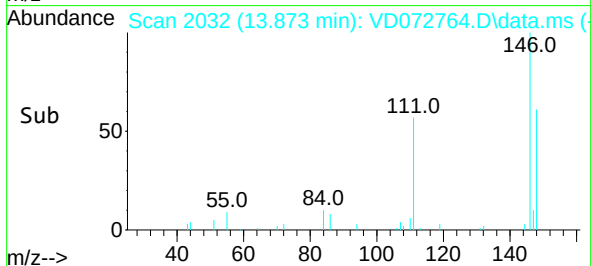
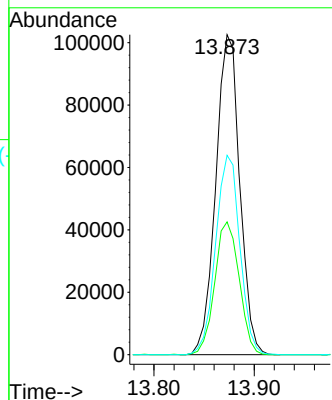
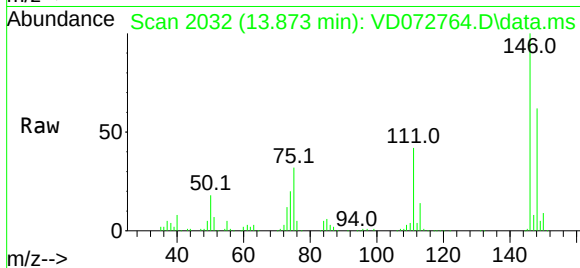
Tgt Ion:146 Resp: 170406

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.3

148 63.0 31.7 95.1



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.703 ug/l

RT: 14.491 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

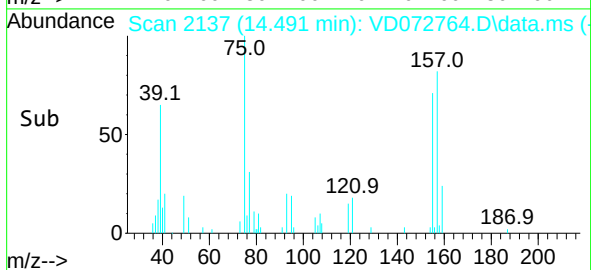
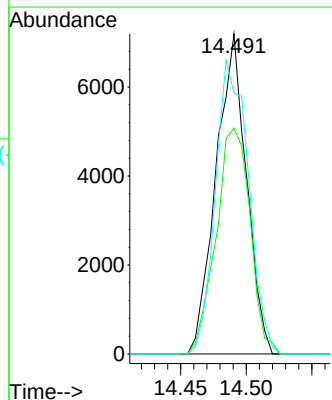
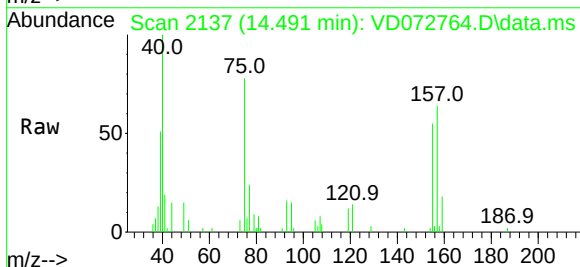
Tgt Ion: 75 Resp: 11616

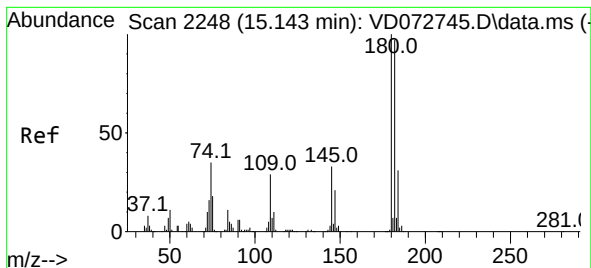
Ion Ratio Lower Upper

75 100

155 78.7 36.8 110.3

157 99.1 48.4 145.0





#93

1,2,4-Trichlorobenzene

Concen: 20.062 ug/l

RT: 15.143 min Scan# 2248

Delta R.T. 0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBS01

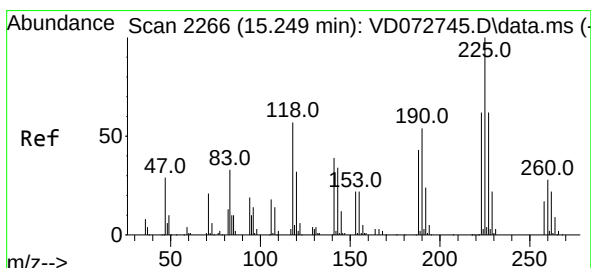
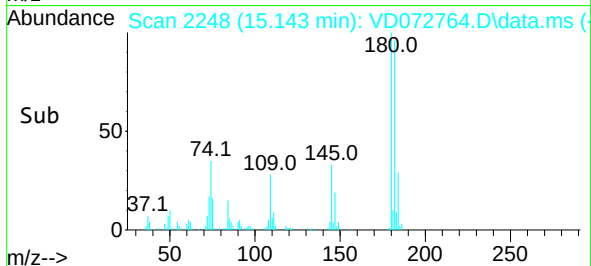
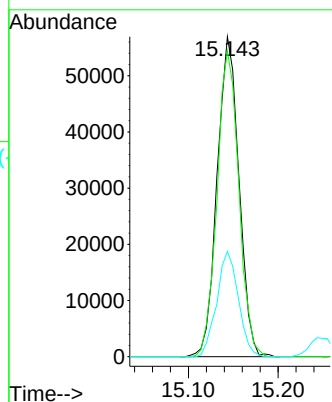
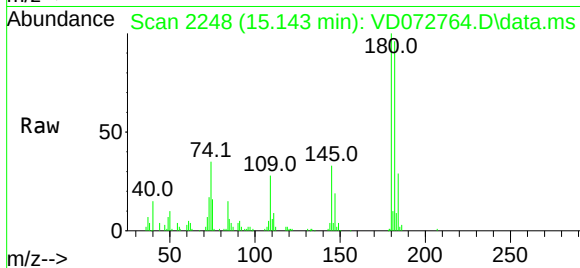
Tgt Ion:180 Resp: 96143

Ion Ratio Lower Upper

180 100

182 95.2 47.3 142.0

145 32.6 16.2 48.5



#94

Hexachlorobutadiene

Concen: 20.286 ug/l

RT: 15.249 min Scan# 2266

Delta R.T. 0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

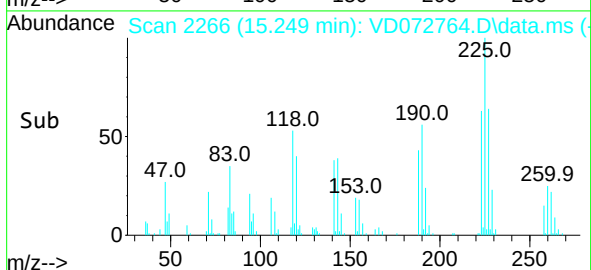
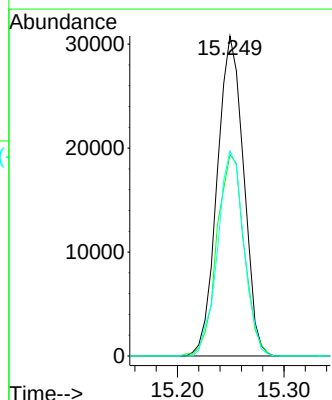
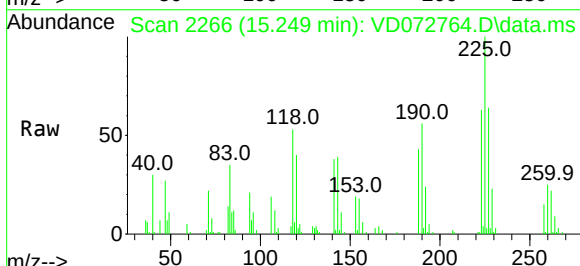
Tgt Ion:225 Resp: 53093

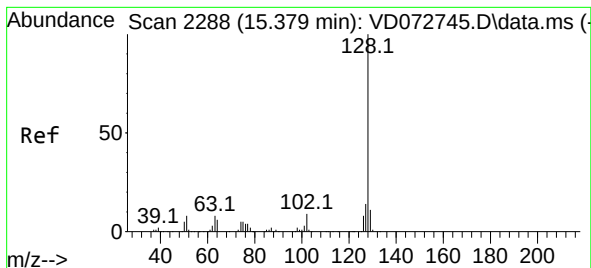
Ion Ratio Lower Upper

225 100

223 64.7 31.1 93.2

227 63.3 32.4 97.0





#95

Naphthalene

Concen: 19.003 ug/l

RT: 15.385 min Scan# 2289

Delta R.T. 0.006 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Instrument :

MSVOA\_D

ClientSampleId :

VD0503SBS01

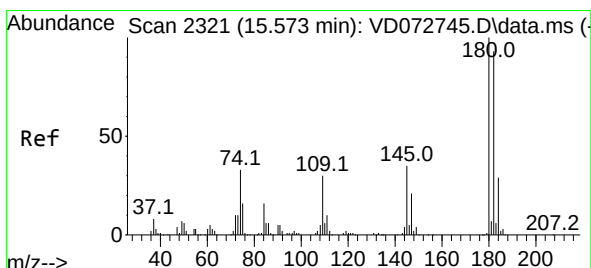
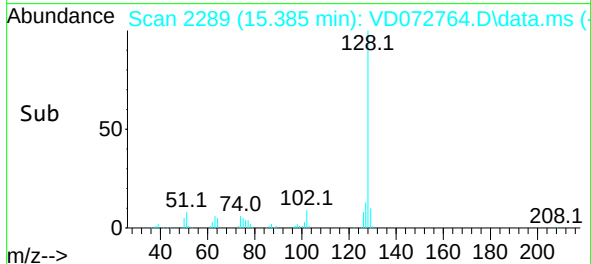
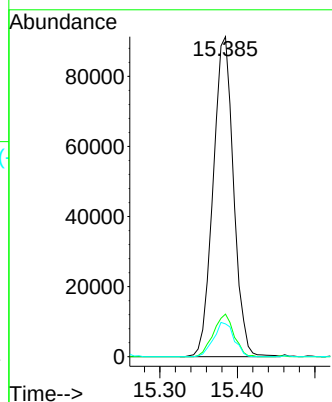
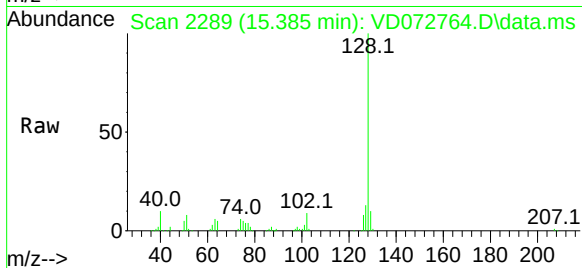
Tgt Ion:128 Resp: 167435

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 10.7 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 19.504 ug/l

RT: 15.573 min Scan# 2321

Delta R.T. -0.000 min

Lab File: VD072764.D

Acq: 03 May 2022 13:03

Tgt Ion:180 Resp: 82857

Ion Ratio Lower Upper

180 100

182 98.4 47.6 142.9

145 36.0 17.1 51.3

