

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051221\  
 Data File : VD069132.D  
 Acq On : 12 May 2021 11:37  
 Operator : VA/SY  
 Sample : VSTDIC005  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

Quant Time: May 13 03:31:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 13 03:30:25 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.979          | 168  | 281292     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.867          | 114  | 476205     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.643         | 117  | 446694     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.573         | 152  | 214647     | 50.00   | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.332          | 65   | 14854      | 5.27    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 10.54%# |        |          |
| 35) Dibromofluoromethane     | 7.920          | 113  | 15708      | 5.07    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 10.14%# |        |          |
| 50) Toluene-d8               | 10.338         | 98   | 56562      | 4.97    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 9.94%#  |        |          |
| 62) 4-Bromofluorobenzene     | 12.626         | 95   | 17917      | 4.89    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 9.78%#  |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 14879      | 4.98    | ug/l   | 98       |
| 3) Chloromethane             | 2.209          | 50   | 19303      | 5.62    | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.350          | 62   | 24196      | 5.34    | ug/l   | 94       |
| 5) Bromomethane              | 2.762          | 94   | 20001      | 5.87    | ug/l   | 99       |
| 6) Chloroethane              | 2.920          | 64   | 12997      | 4.46    | ug/l   | 92       |
| 7) Trichlorofluoromethane    | 3.273          | 101  | 27748      | 5.02    | ug/l   | 94       |
| 8) Diethyl Ether             | 3.709          | 74   | 6043       | 4.79    | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.097          | 101  | 16380      | 5.23    | ug/l   | 99       |
| 10) Methyl Iodide            | 4.297          | 142  | 11859      | 3.97    | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.214          | 59   | 4358       | 22.61   | ug/l # | 73       |
| 12) 1,1-Dichloroethene       | 4.061          | 96   | 13732      | 4.88    | ug/l # | 94       |
| 13) Acrolein                 | 3.914          | 56   | 5673       | 24.73   | ug/l   | 94       |
| 14) Allyl chloride           | 4.720          | 41   | 14539      | 4.71    | ug/l   | 94       |
| 15) Acrylonitrile            | 5.420          | 53   | 10915      | 23.18   | ug/l   | 94       |
| 16) Acetone                  | 4.167          | 43   | 11453      | 26.52   | ug/l # | 86       |
| 17) Carbon Disulfide         | 4.409          | 76   | 47944      | 5.14    | ug/l   | 100      |
| 18) Methyl Acetate           | 4.720          | 43   | 5585       | 5.32    | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 21723      | 4.25    | ug/l # | 83       |
| 20) Methylene Chloride       | 4.973          | 84   | 34365      | 7.52    | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.467          | 96   | 16146      | 4.84    | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.361          | 45   | 25875      | 4.20    | ug/l # | 85       |
| 23) Vinyl Acetate            | 6.308          | 43   | 69898      | 19.21   | ug/l # | 91       |
| 24) 1,1-Dichloroethane       | 6.261          | 63   | 26904      | 5.05    | ug/l   | 98       |
| 25) 2-Butanone               | 7.208          | 43   | 13987      | 23.90   | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 7.202          | 77   | 25226      | 5.06    | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.208          | 96   | 17074      | 4.71    | ug/l   | 99       |
| 28) Bromochloromethane       | 7.544          | 49   | 10734      | 5.65    | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 7027       | 22.09   | ug/l   | 93       |
| 30) Chloroform               | 7.714          | 83   | 30293      | 5.05    | ug/l   | 87       |
| 31) Cyclohexane              | 7.979          | 56   | 24442      | 5.85    | ug/l # | 85       |
| 32) 1,1,1-Trichloroethane    | 7.908          | 97   | 28306      | 5.20    | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.114          | 75   | 21166      | 4.57    | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.291          | 43   | 7449       | 5.01    | ug/l # | 91       |
| 38) Carbon Tetrachloride     | 8.097          | 117  | 25724      | 4.97    | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.355          | 83   | 20726      | 4.24    | ug/l   | 96       |
| 40) Benzene                  | 8.349          | 78   | 62533      | 4.72    | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051221\  
 Data File : VD069132.D  
 Acq On : 12 May 2021 11:37  
 Operator : VA/SY  
 Sample : VSTDIC005  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

Quant Time: May 13 03:31:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 13 03:30:25 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 41) Methacrylonitrile         | 7.532  | 41   | 3410     | 4.66  | ug/l # | 13       |
| 42) 1,2-Dichloroethane        | 8.426  | 62   | 17225    | 4.76  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.455  | 43   | 11981    | 4.44  | ug/l   | 92       |
| 44) Trichloroethene           | 9.108  | 130  | 17603    | 4.75  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 14682    | 4.69  | ug/l   | 90       |
| 46) Dibromomethane            | 9.473  | 93   | 9335     | 4.99  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.661  | 83   | 22271    | 4.68  | ug/l # | 94       |
| 48) Methyl methacrylate       | 9.449  | 41   | 5527     | 4.42  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 1208     | 68.64 | ug/l # | 69       |
| 51) 4-Methyl-2-Pentanone      | 10.226 | 43   | 28383    | 20.42 | ug/l   | 98       |
| 52) Toluene                   | 10.408 | 92   | 37561    | 4.39  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.620 | 75   | 18674    | 4.46  | ug/l   | 89       |
| 54) cis-1,3-Dichloropropene   | 10.091 | 75   | 22855    | 4.57  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.796 | 97   | 12269    | 4.86  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.661 | 69   | 9304     | 3.69  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.943 | 76   | 18114    | 4.44  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.944  | 63   | 24255    | 19.43 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.979 | 43   | 17819    | 19.21 | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.143 | 129  | 15728    | 4.86  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.249 | 107  | 12152    | 4.88  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.879 | 164  | 14725    | 4.74  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.673 | 112  | 44917    | 4.85  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.738 | 131  | 16464    | 4.72  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.743 | 91   | 67105    | 4.21  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.849 | 106  | 51214    | 8.20  | ug/l   | 97       |
| 69) o-Xylene                  | 12.179 | 106  | 21762    | 3.92  | ug/l   | 97       |
| 70) Styrene                   | 12.196 | 104  | 36803    | 3.80  | ug/l   | 97       |
| 71) Bromoform                 | 12.355 | 173  | 8780     | 4.83  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.479 | 105  | 59324    | 3.95  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.285 | 43   | 10218    | 4.16  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.726 | 83   | 12983    | 4.78  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.779 | 75   | 15031    | 9.35  | ug/l # | 100      |
| 77) Bromobenzene              | 12.755 | 156  | 15826    | 4.45  | ug/l   | 90       |
| 78) n-propylbenzene           | 12.820 | 91   | 73462    | 4.06  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.902 | 91   | 43198    | 4.29  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.955 | 105  | 48217    | 3.90  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.526 | 75   | 3735     | 4.68  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 13.002 | 91   | 47315    | 4.41  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.220 | 119  | 41646    | 4.04  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.261 | 105  | 49328    | 3.96  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.396 | 105  | 63348    | 4.09  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.514 | 119  | 53565    | 3.93  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.508 | 146  | 34075    | 4.73  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.590 | 146  | 34291    | 4.81  | ug/l   | 90       |
| 89) n-Butylbenzene            | 13.837 | 91   | 52633    | 4.15  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.108 | 117  | 11828    | 4.63  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.884 | 146  | 28647    | 4.63  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.502 | 75   | 2261     | 5.36  | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 15.155 | 180  | 16117    | 4.25  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.261 | 225  | 10850    | 4.77  | ug/l   | 98       |
| 95) Naphthalene               | 15.390 | 128  | 23634    | 3.72  | ug/l # | 93       |
| 96) 1,2,3-Trichlorobenzene    | 15.584 | 180  | 13371    | 4.12  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051221\  
Data File : VD069132.D  
Acq On : 12 May 2021 11:37  
Operator : VA/SY  
Sample : VSTDICC005  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

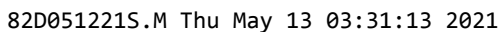
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

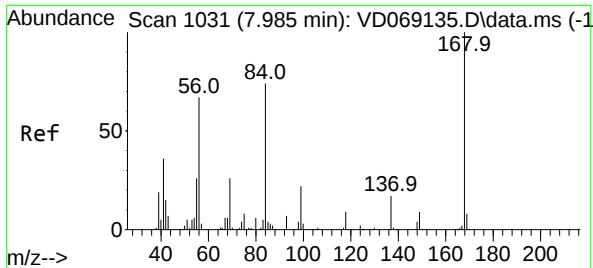
Quant Time: May 13 03:31:01 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 13 03:30:25 2021  
Response via : Initial Calibration

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

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

Quant Time: May 13 03:31:01 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 13 03:30:25 2021  
Response via : Initial Calibration

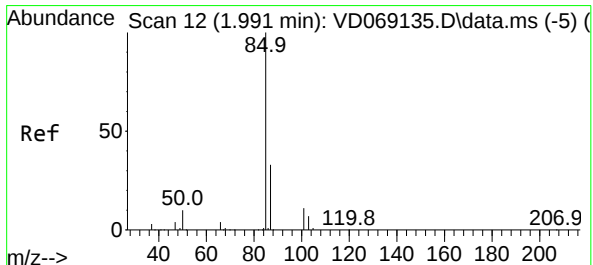
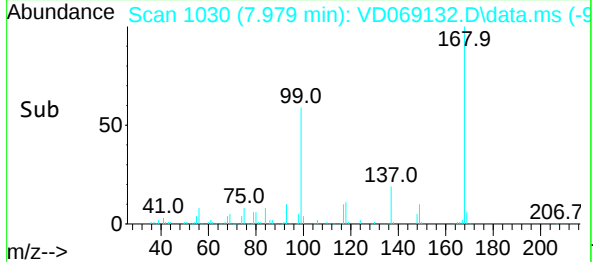
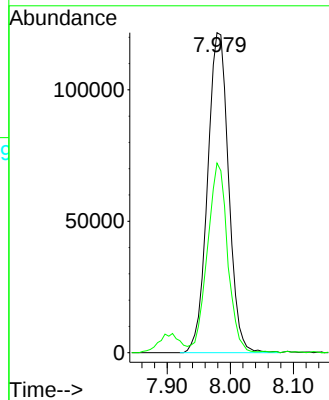
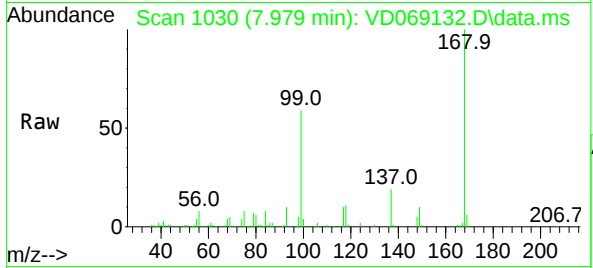




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

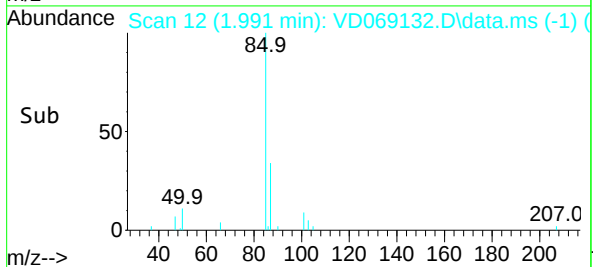
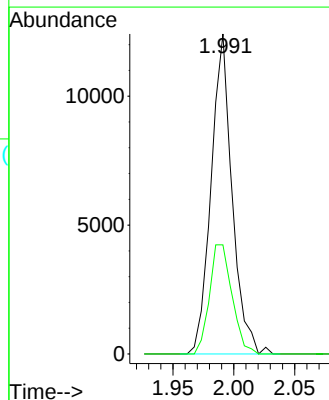
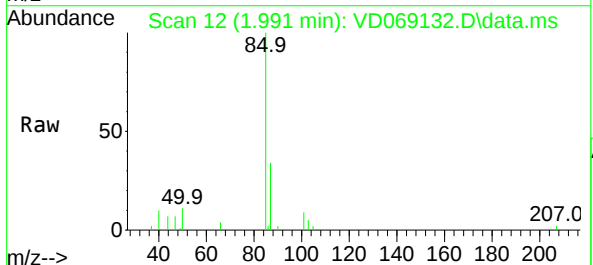
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

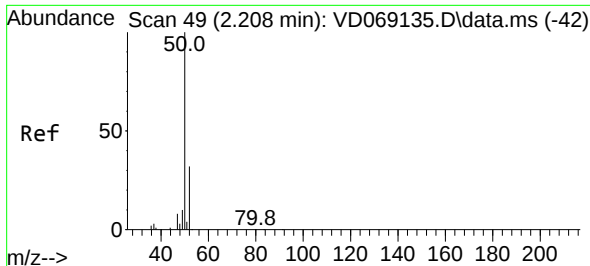
Tgt Ion:168 Resp: 281292  
Ion Ratio Lower Upper  
168 100  
99 59.2 47.2 70.8



#2  
Dichlorodifluoromethane  
Concen: 4.98 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 85 Resp: 14879  
Ion Ratio Lower Upper  
85 100  
87 34.1 16.5 49.5

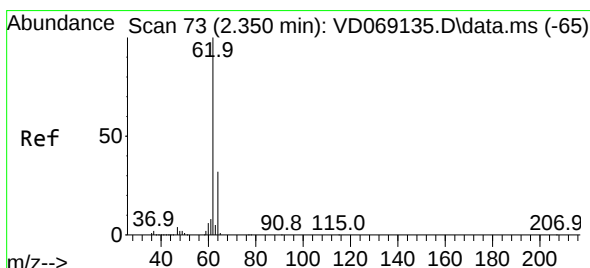
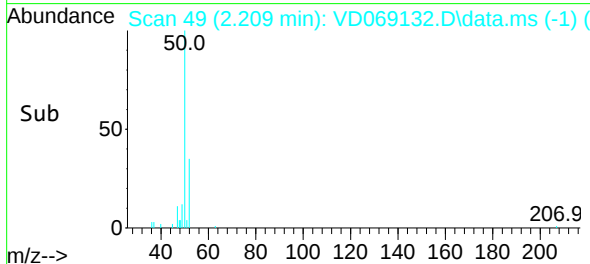
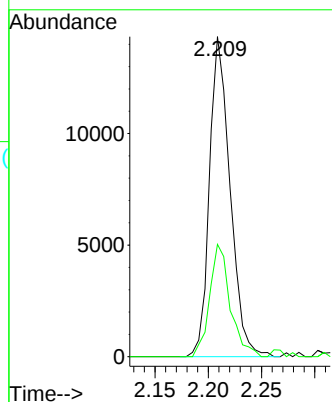
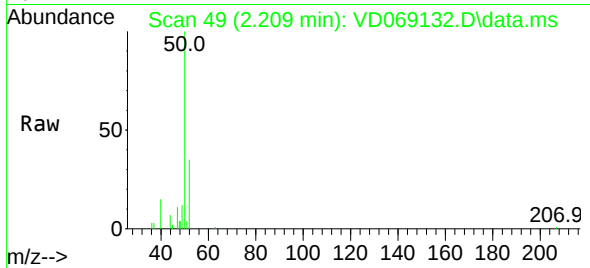




#3  
Chloromethane  
Concen: 5.62 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

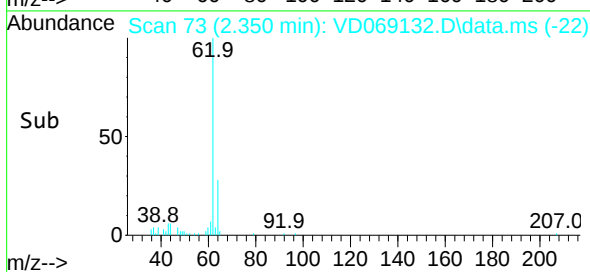
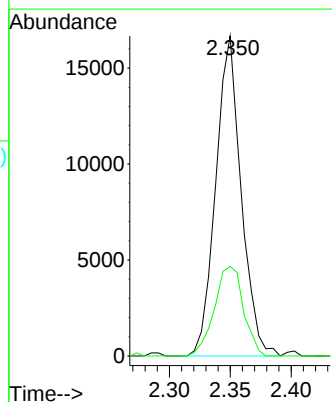
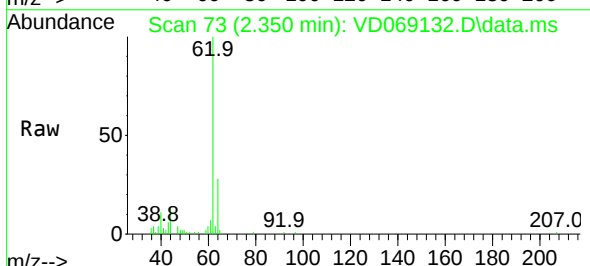
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

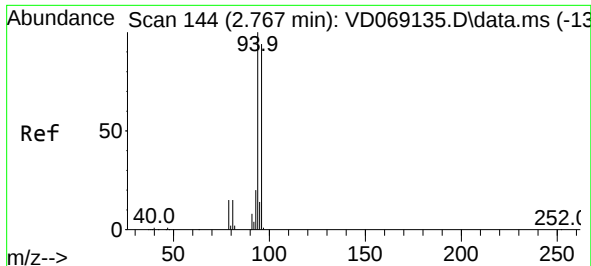
Tgt Ion: 50 Resp: 19303  
Ion Ratio Lower Upper  
50 100  
52 35.1 25.8 38.8



#4  
Vinyl Chloride  
Concen: 5.34 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 62 Resp: 24196  
Ion Ratio Lower Upper  
62 100  
64 28.0 25.3 37.9

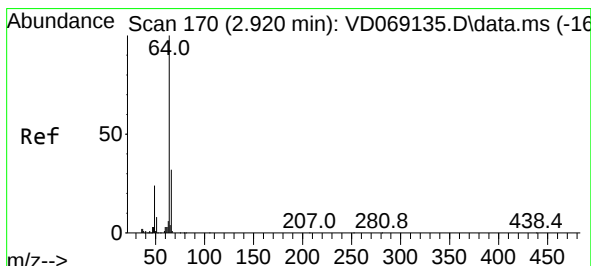
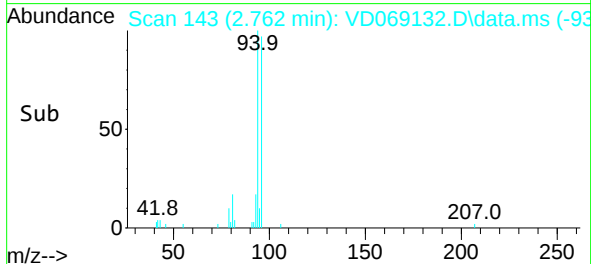
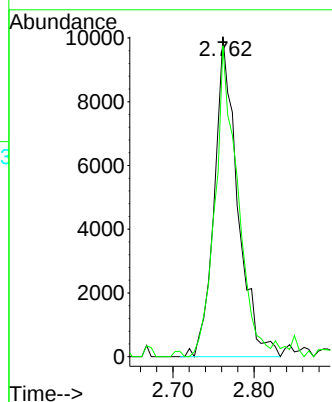
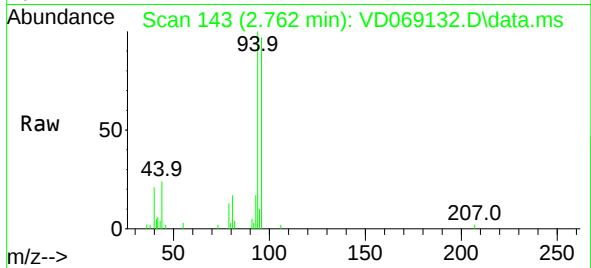




#5  
Bromomethane  
Concen: 5.87 ug/l  
RT: 2.762 min Scan# 143  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

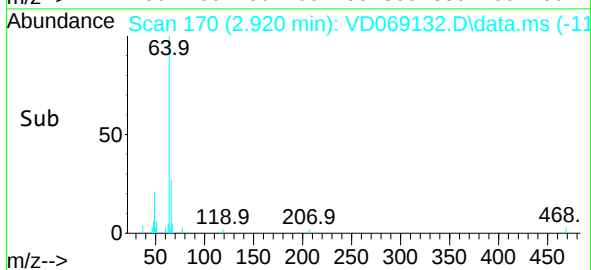
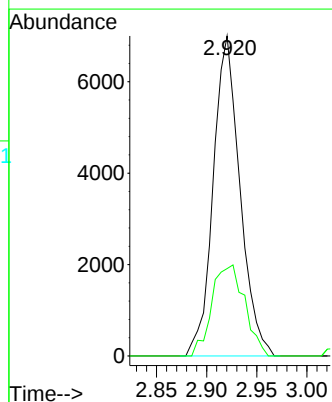
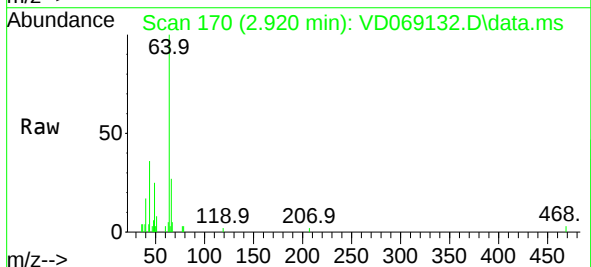
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

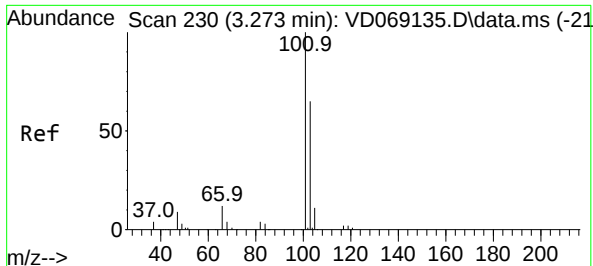
Tgt Ion: 94 Resp: 20001  
Ion Ratio Lower Upper  
94 100  
96 95.4 75.4 113.0



#6  
Chloroethane  
Concen: 4.46 ug/l  
RT: 2.920 min Scan# 170  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 64 Resp: 12997  
Ion Ratio Lower Upper  
64 100  
66 27.3 25.2 37.8

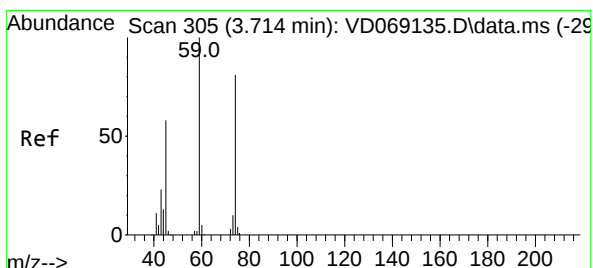
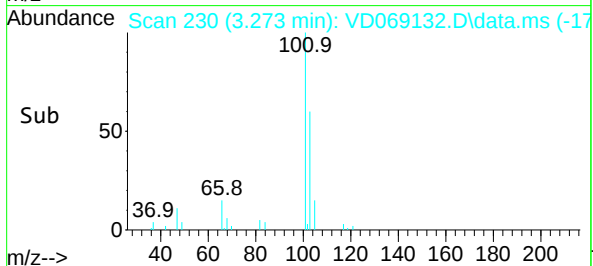
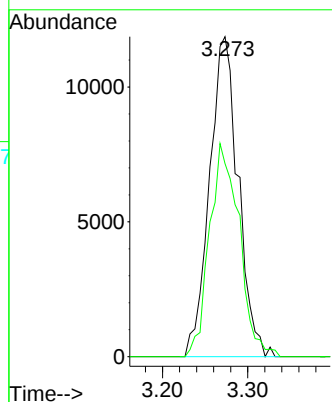
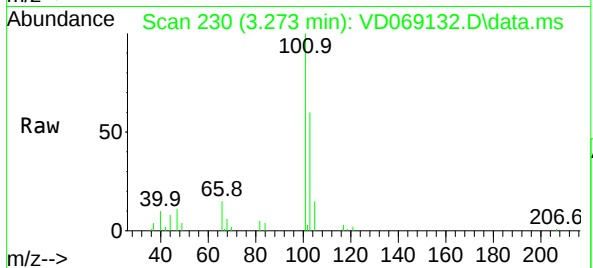




#7  
Trichlorofluoromethane  
Concen: 5.02 ug/l  
RT: 3.273 min Scan# 230  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

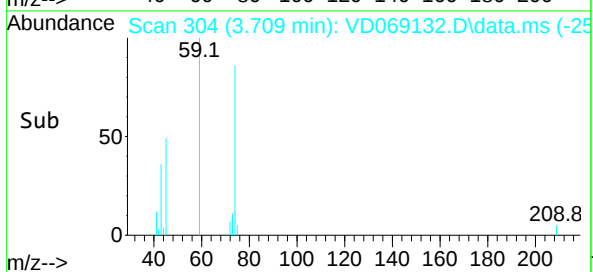
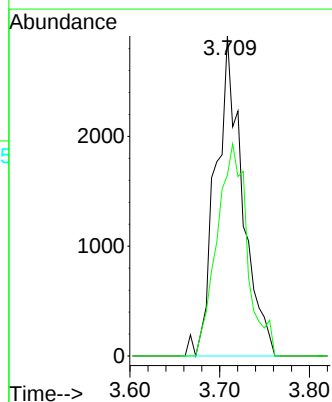
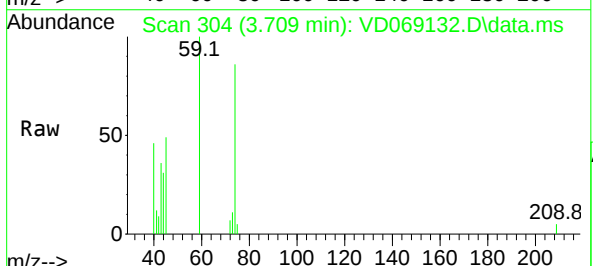
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

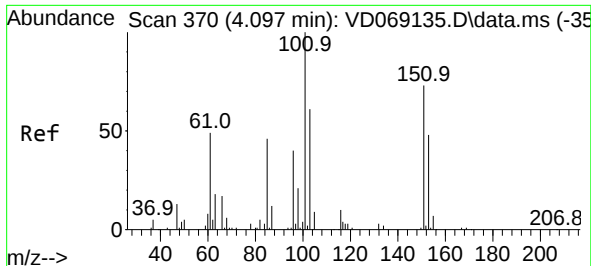
Tgt Ion:101 Resp: 27748  
Ion Ratio Lower Upper  
101 100  
103 60.4 51.9 77.9



#8  
Diethyl Ether  
Concen: 4.79 ug/l  
RT: 3.709 min Scan# 304  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 74 Resp: 6043  
Ion Ratio Lower Upper  
74 100  
45 75.2 38.1 114.5

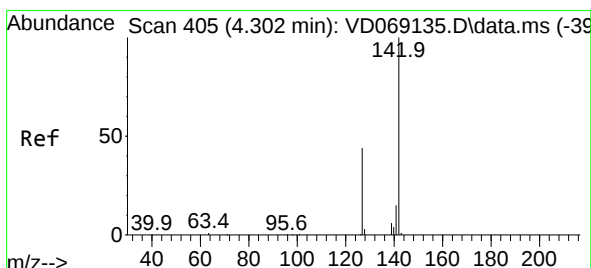
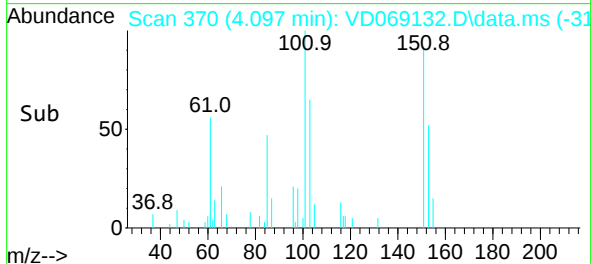
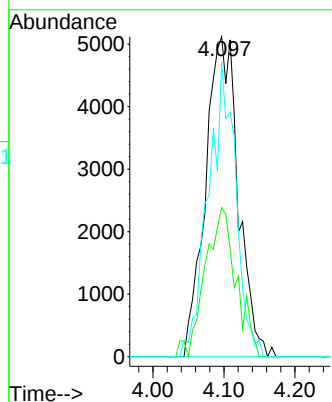
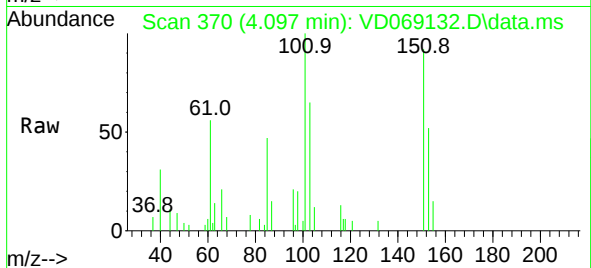




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 5.23 ug/l  
RT: 4.097 min Scan# 370  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

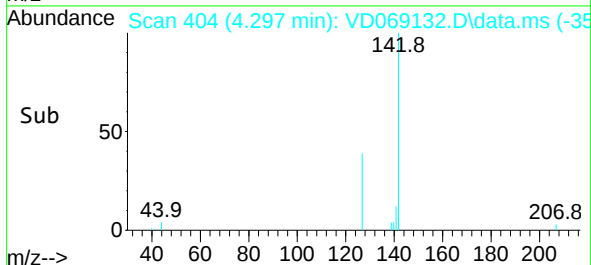
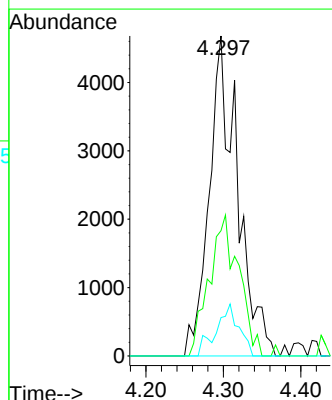
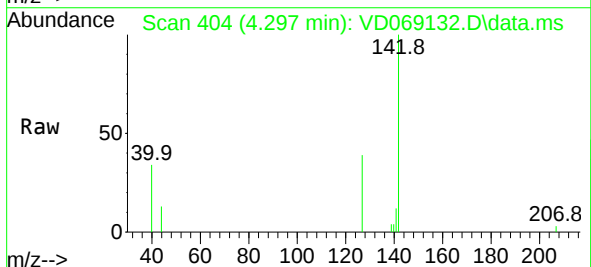
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

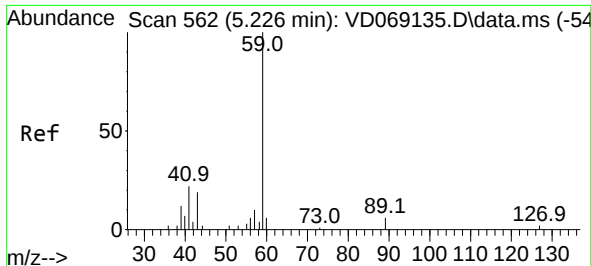
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 16380 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 44.2  | 35.2  | 52.8  |
| 151      | 77.1  | 60.6  | 91.0  |



#10  
Methyl Iodide  
Concen: 3.97 ug/l  
RT: 4.297 min Scan# 404  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 11859 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 46.1  | 37.3  | 55.9  |
| 141      | 13.1  | 12.2  | 18.4  |



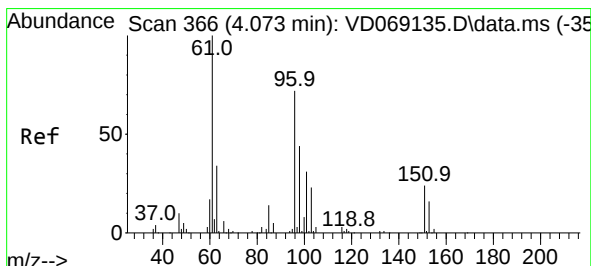
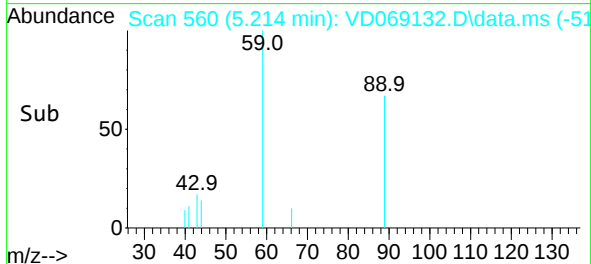
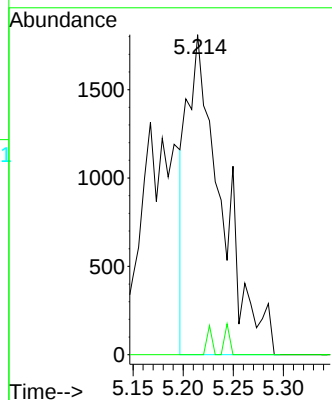
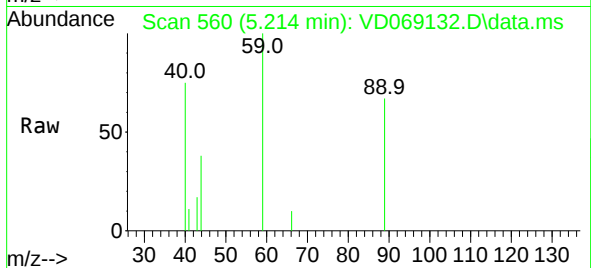


#11

Tert butyl alcohol  
Concen: 22.61 ug/l  
RT: 5.214 min Scan# 560  
Delta R.T. -0.012 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

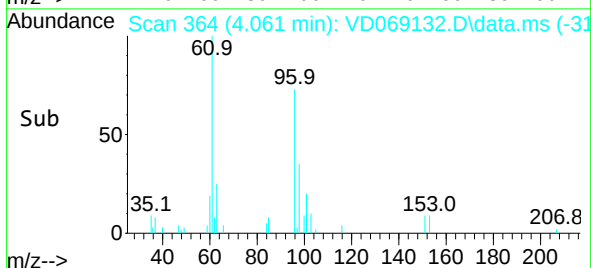
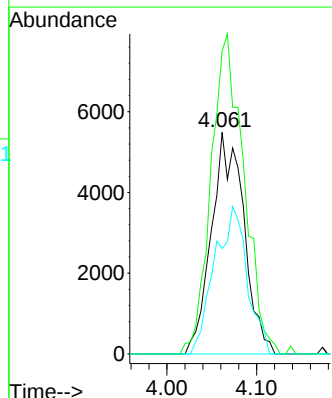
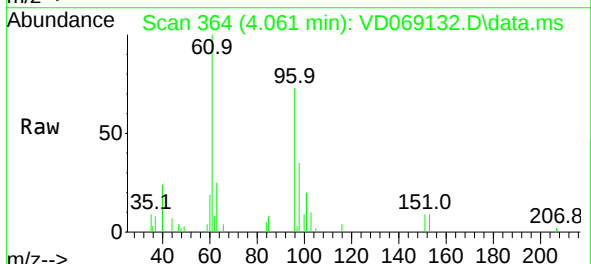
Tgt Ion: 59 Resp: 4358  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

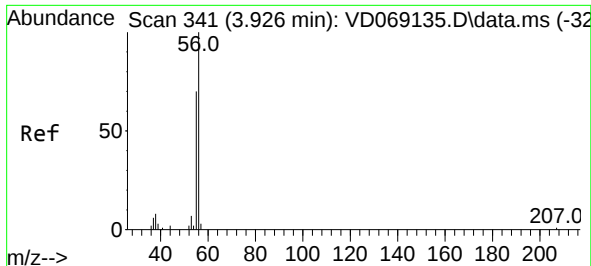


#12

1,1-Dichloroethene  
Concen: 4.88 ug/l  
RT: 4.061 min Scan# 364  
Delta R.T. -0.012 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

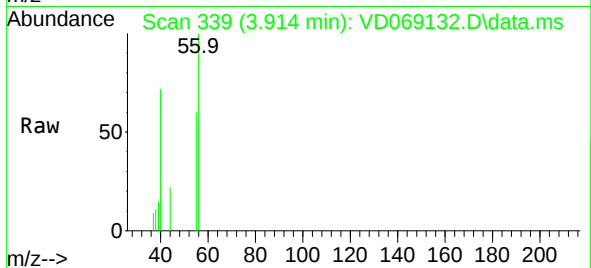
Tgt Ion: 96 Resp: 13732  
Ion Ratio Lower Upper  
96 100  
61 136.7 111.1 166.7  
98 47.6 48.4 72.6#



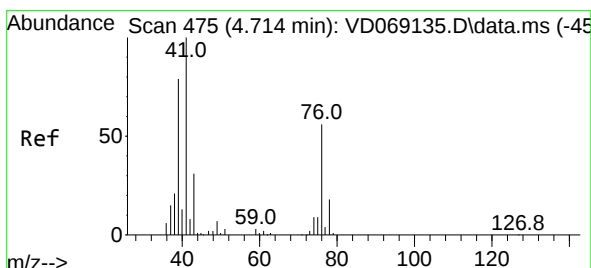
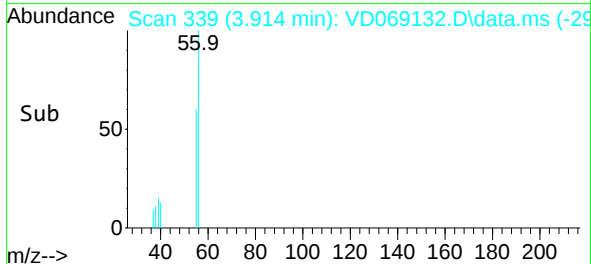
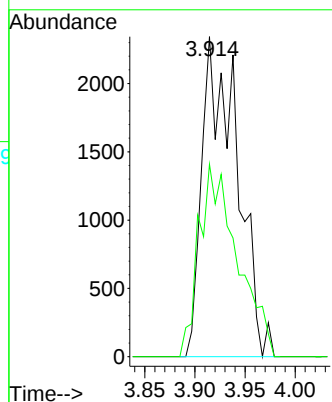


#13  
Acrolein  
Concen: 24.73 ug/l  
RT: 3.914 min Scan# 339  
Delta R.T. -0.012 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

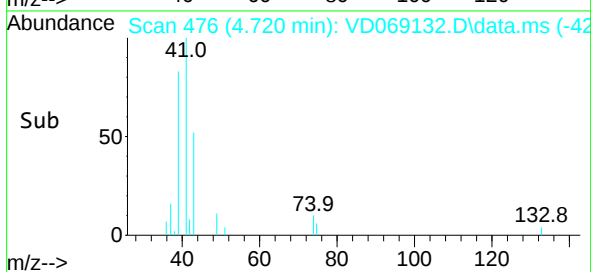
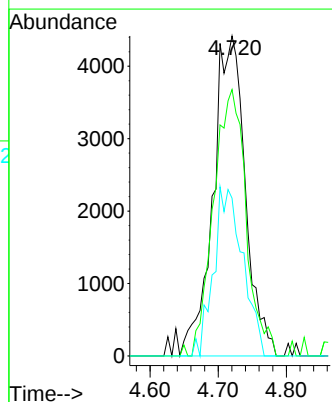
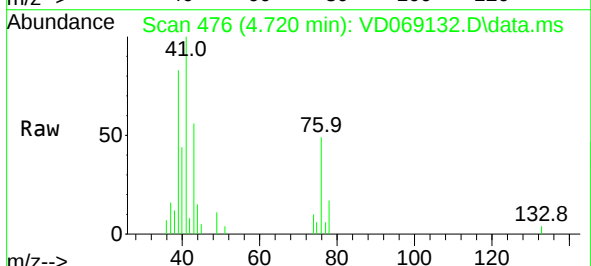


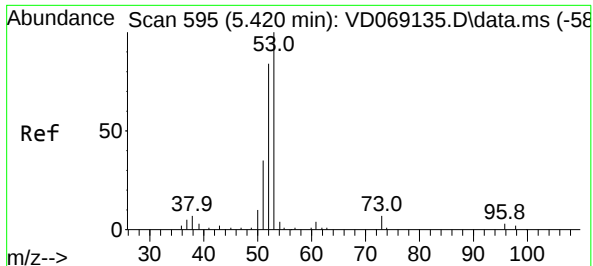
Tgt Ion: 56 Resp: 5673  
Ion Ratio Lower Upper  
56 100  
55 66.3 56.9 85.3



#14  
Allyl chloride  
Concen: 4.71 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 41 Resp: 14539  
Ion Ratio Lower Upper  
41 100  
39 83.7 64.3 96.5  
76 47.6 43.6 65.4

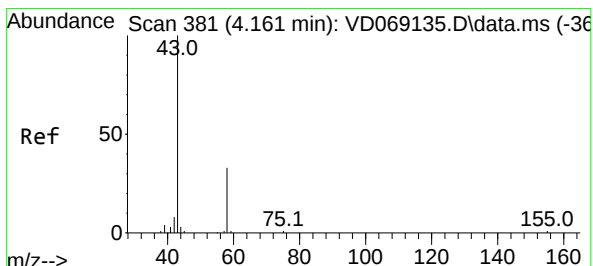
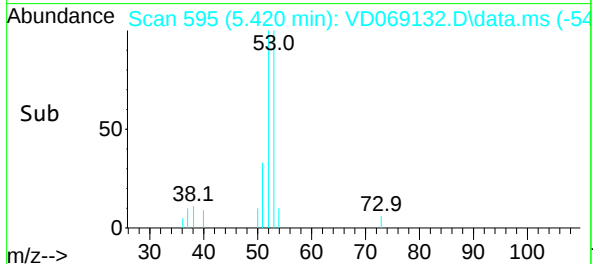
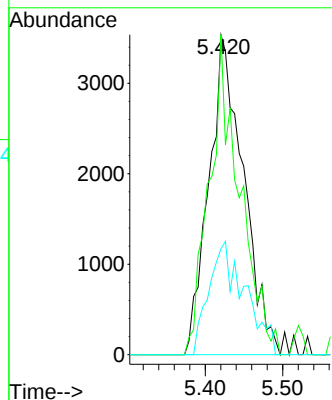
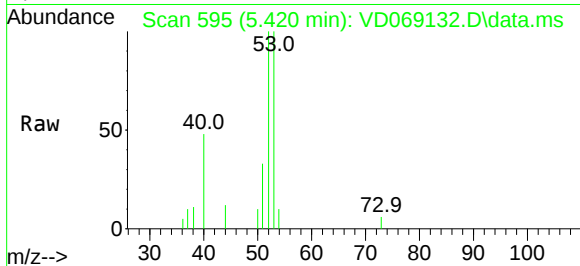




#15  
Acrylonitrile  
Concen: 23.18 ug/l  
RT: 5.420 min Scan# 595  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

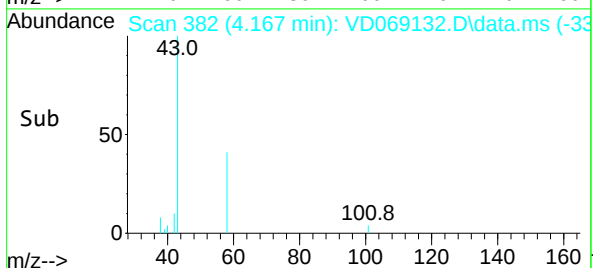
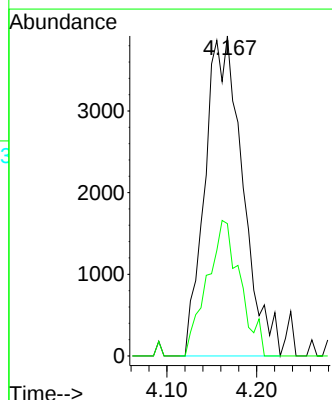
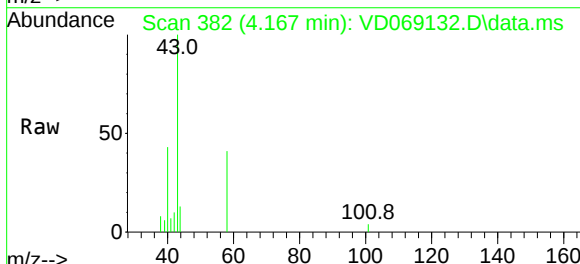
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

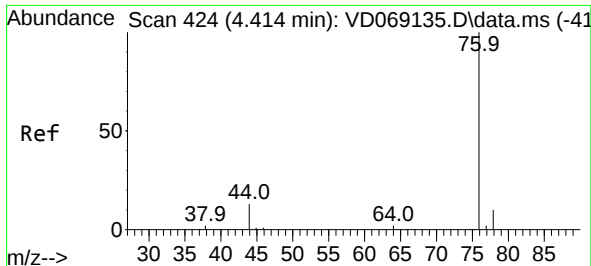
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 10915 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 88.2  | 64.5  | 96.7  |
| 51       | 37.1  | 30.4  | 45.6  |



#16  
Acetone  
Concen: 26.52 ug/l  
RT: 4.167 min Scan# 382  
Delta R.T. 0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

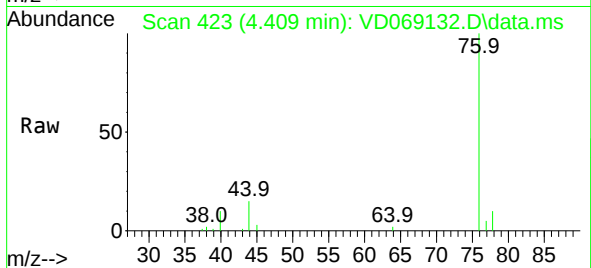
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 11453 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 41.4  | 26.7  | 40.1# |



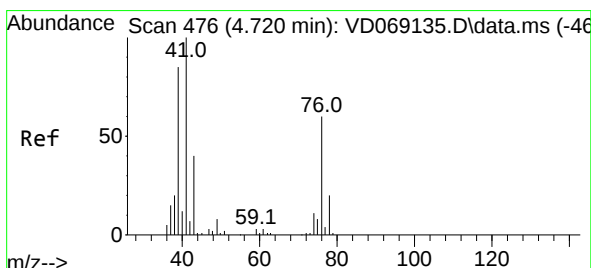
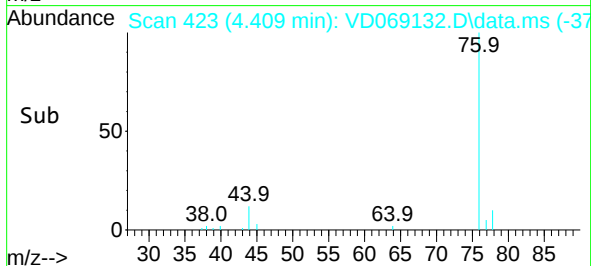
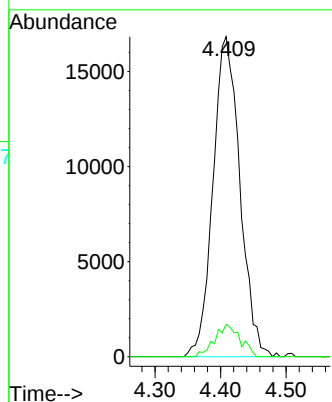


#17  
Carbon Disulfide  
Concen: 5.14 ug/l  
RT: 4.409 min Scan# 423  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

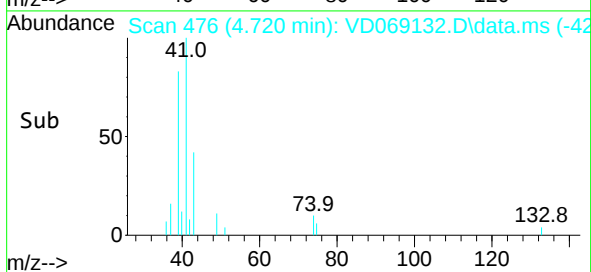
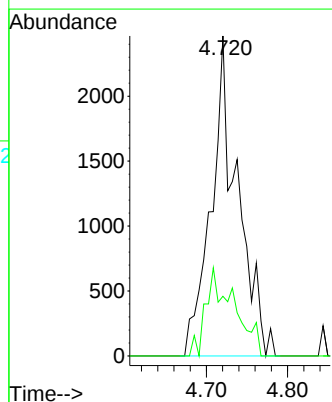
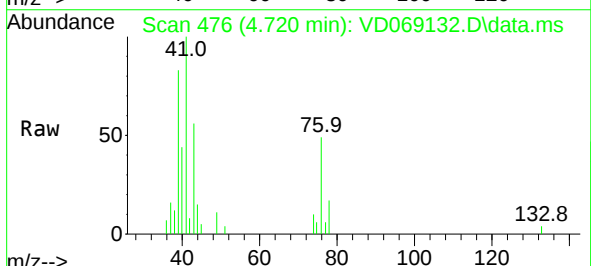


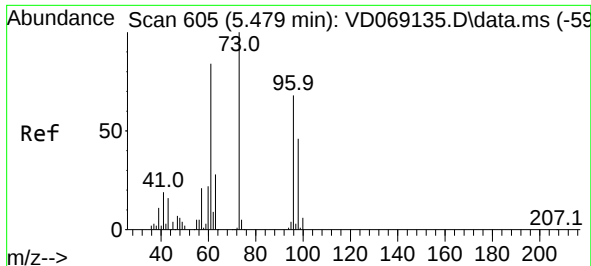
Tgt Ion: 76 Resp: 47944  
Ion Ratio Lower Upper  
76 100  
78 10.1 8.1 12.1



#18  
Methyl Acetate  
Concen: 5.32 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 43 Resp: 5585  
Ion Ratio Lower Upper  
43 100  
74 29.5 23.8 35.6

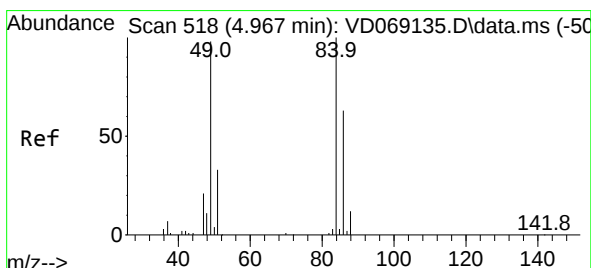
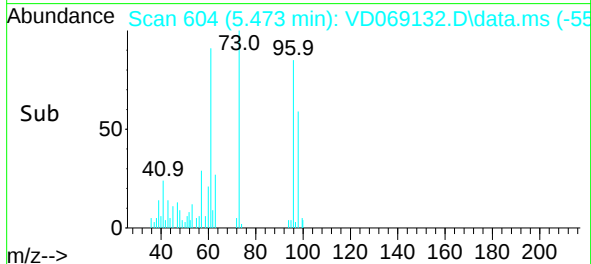
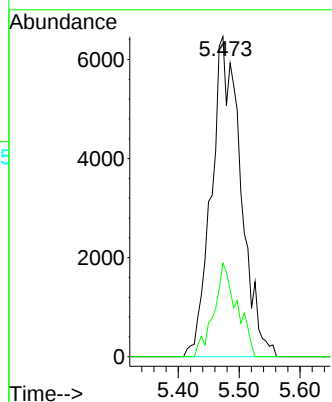
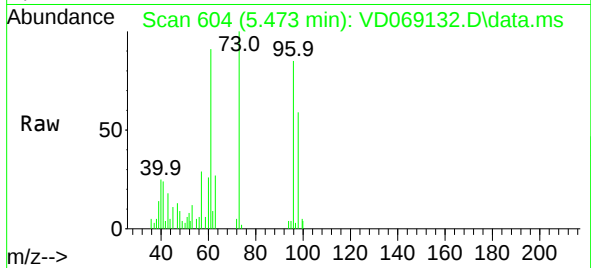




#19  
Methyl tert-butyl Ether  
Concen: 4.25 ug/l  
RT: 5.473 min Scan# 604  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

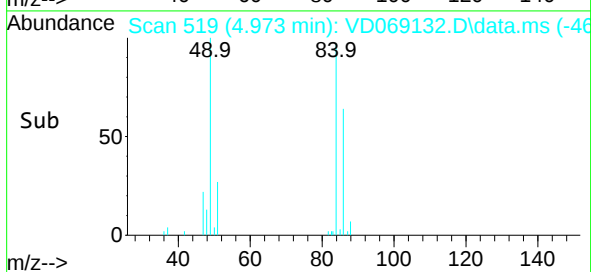
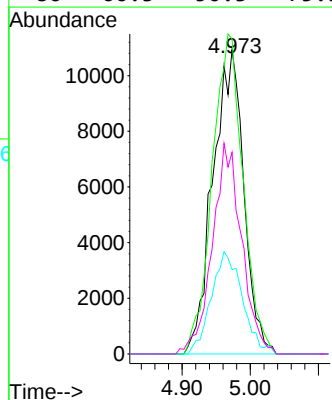
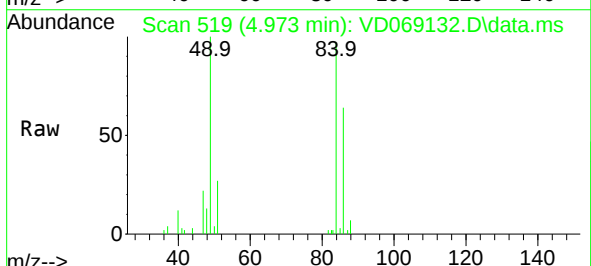
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

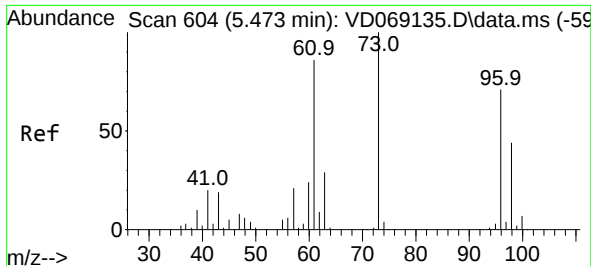
Tgt Ion: 73 Resp: 21723  
Ion Ratio Lower Upper  
73 100  
57 29.3 17.1 25.7#



#20  
Methylene Chloride  
Concen: 7.52 ug/l  
RT: 4.973 min Scan# 519  
Delta R.T. 0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 84 Resp: 34365  
Ion Ratio Lower Upper  
84 100  
49 103.5 78.6 117.8  
51 27.8 26.7 40.1  
86 66.3 50.3 75.5

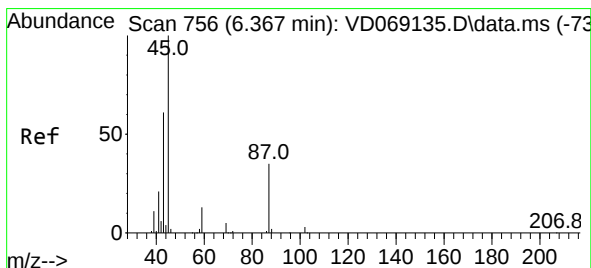
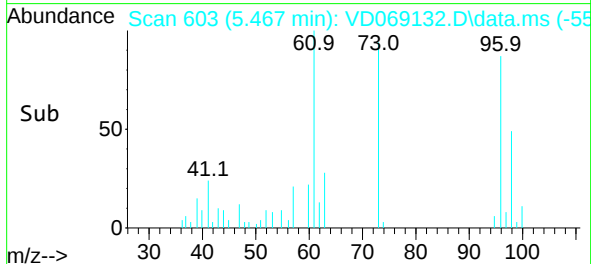
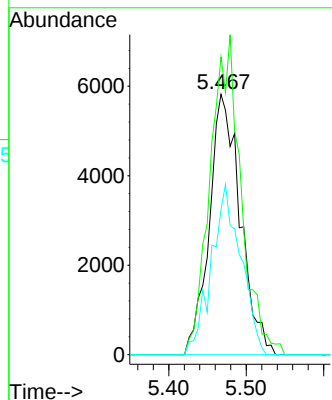
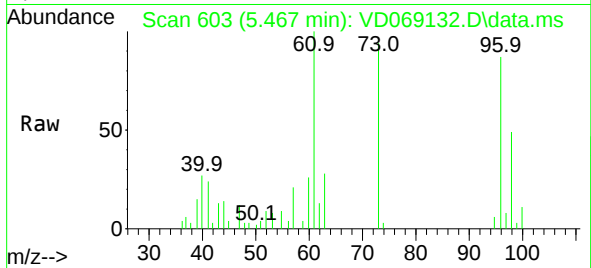




#21  
trans-1,2-Dichloroethene  
Concen: 4.84 ug/l  
RT: 5.467 min Scan# 603  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

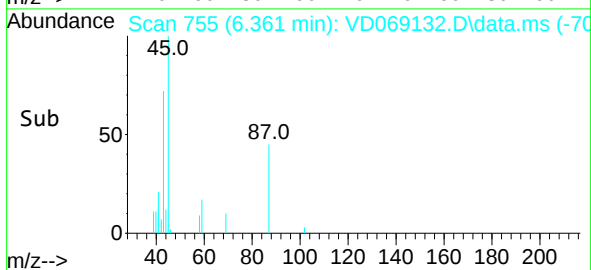
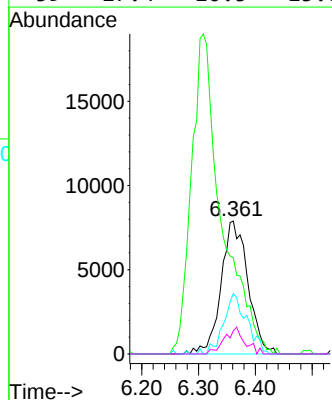
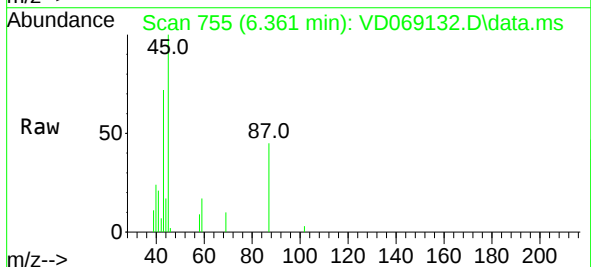
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

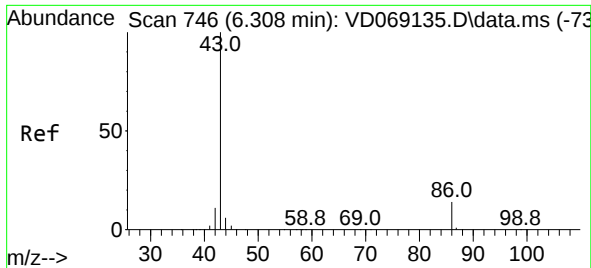
Tgt Ion: 96 Resp: 16146  
Ion Ratio Lower Upper  
96 100  
61 114.4 97.7 146.5  
98 55.8 49.4 74.2



#22  
Diisopropyl ether  
Concen: 4.20 ug/l  
RT: 6.361 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 45 Resp: 25875  
Ion Ratio Lower Upper  
45 100  
43 72.4 48.6 73.0  
87 45.3 28.5 42.7#  
59 17.4 10.5 15.7#

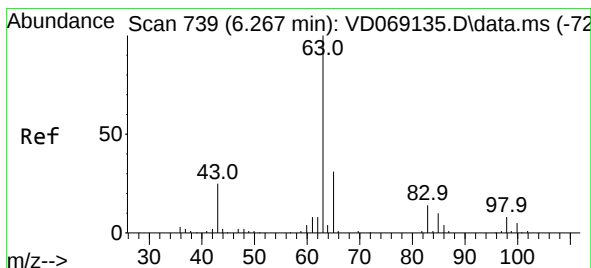
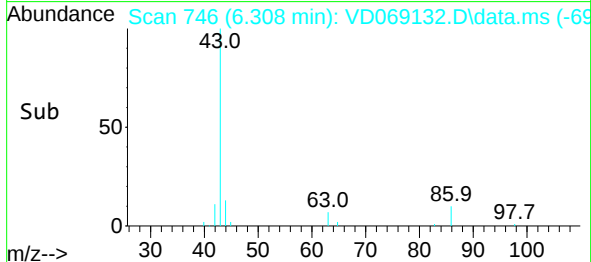
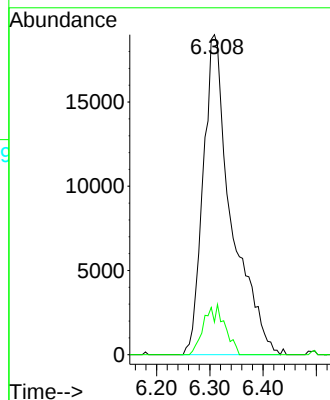
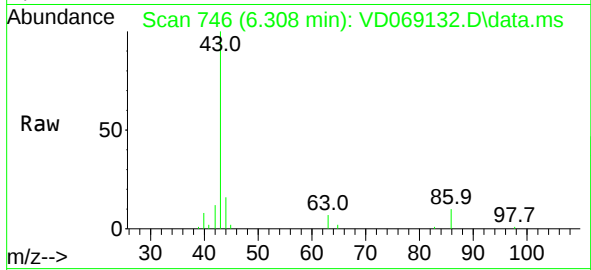




#23  
 Vinyl Acetate  
 Concen: 19.21 ug/l  
 RT: 6.308 min Scan# 746  
 Delta R.T. 0.000 min  
 Lab File: VD069132.D  
 Acq: 12 May 2021 11:37

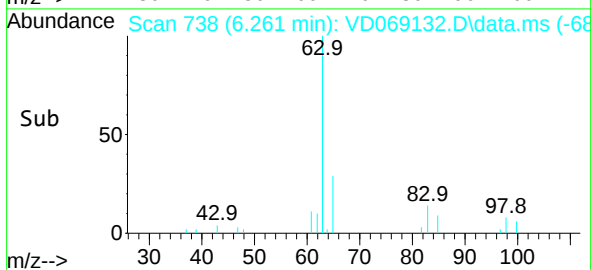
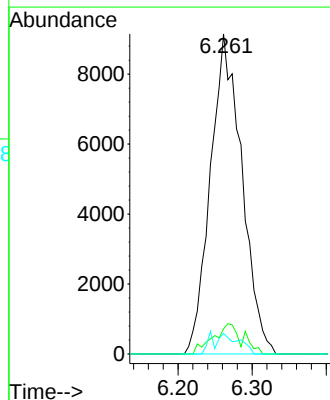
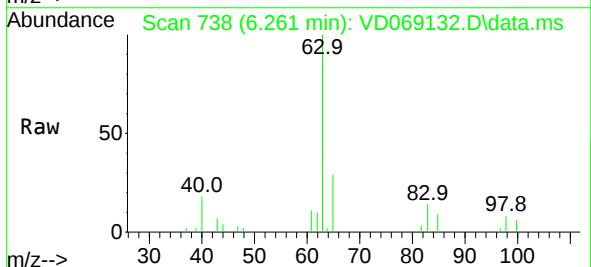
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

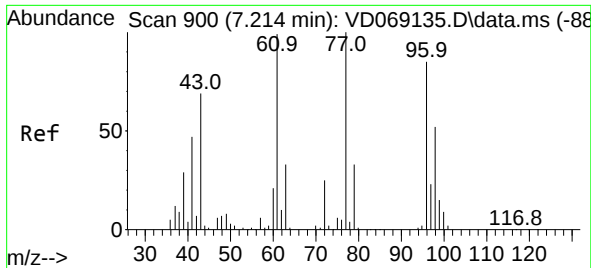
Tgt Ion: 43 Resp: 69898  
 Ion Ratio Lower Upper  
 43 100  
 86 10.2 11.1 16.7#



#24  
 1,1-Dichloroethane  
 Concen: 5.05 ug/l  
 RT: 6.261 min Scan# 738  
 Delta R.T. -0.006 min  
 Lab File: VD069132.D  
 Acq: 12 May 2021 11:37

Tgt Ion: 63 Resp: 26904  
 Ion Ratio Lower Upper  
 63 100  
 98 7.8 3.9 11.5  
 100 6.4 2.5 7.6

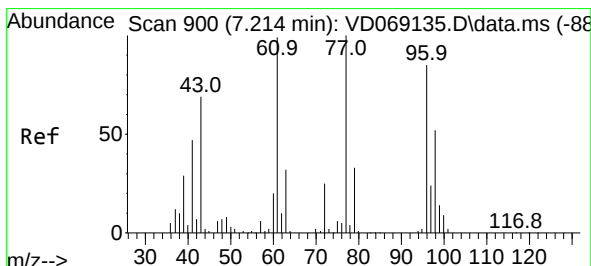
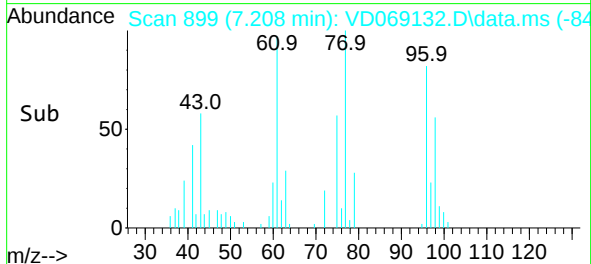
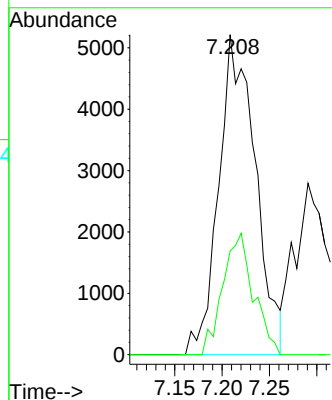
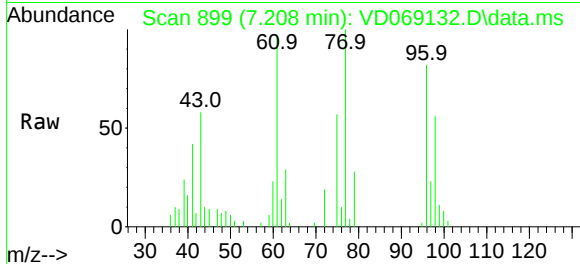




#25  
2-Butanone  
Concen: 23.90 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

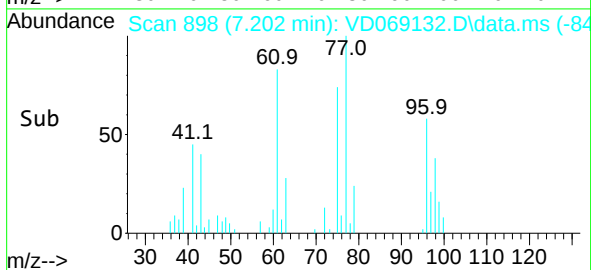
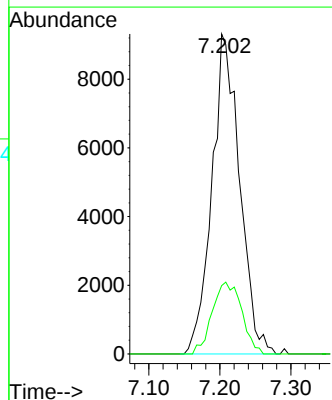
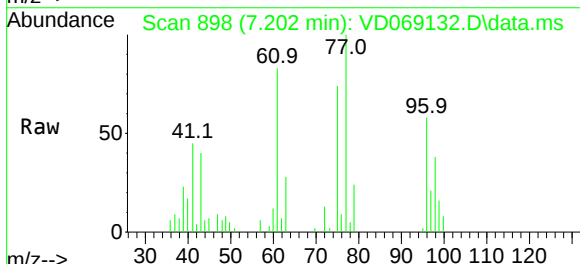
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

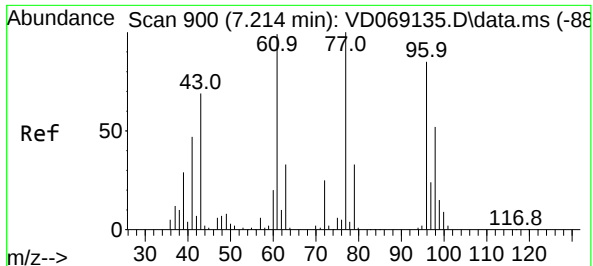
Tgt Ion: 43 Resp: 13987  
Ion Ratio Lower Upper  
43 100  
72 32.4 29.1 43.7



#26  
2,2-Dichloropropane  
Concen: 5.06 ug/l  
RT: 7.202 min Scan# 898  
Delta R.T. -0.012 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 77 Resp: 25226  
Ion Ratio Lower Upper  
77 100  
97 23.9 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 4.71 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.006 min

Lab File: VD069132.D

Acq: 12 May 2021 11:37

Tgt Ion: 96 Resp: 17074

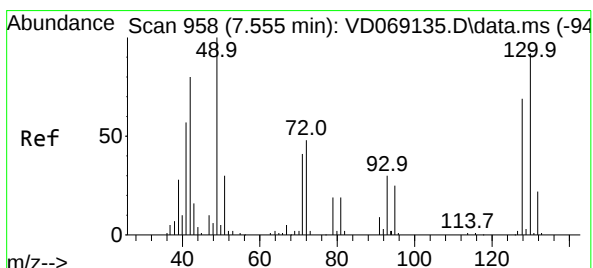
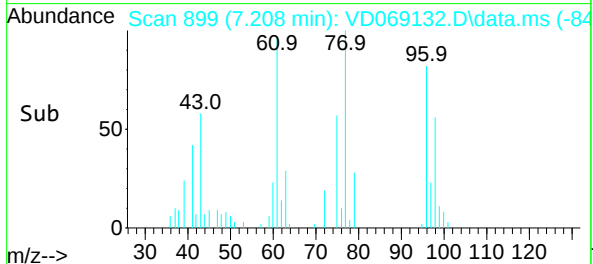
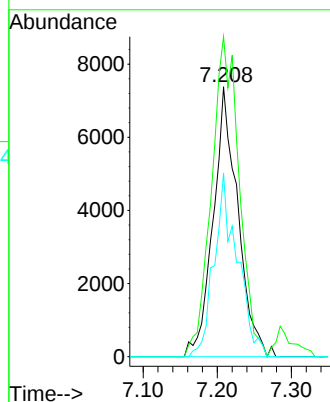
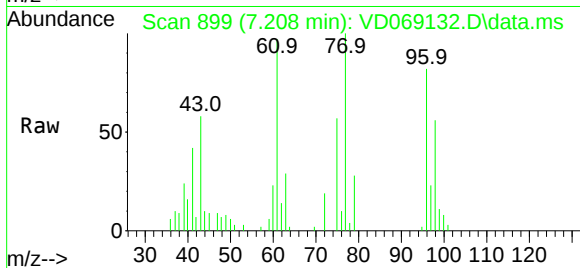
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.7 | 0.0   | 263.8 |
| 98  | 63.9  | 0.0   | 132.2 |

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005



#28

Bromochloromethane

Concen: 5.65 ug/l

RT: 7.544 min Scan# 956

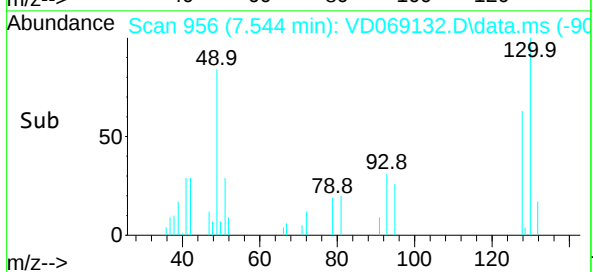
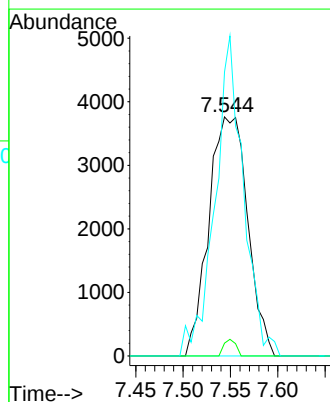
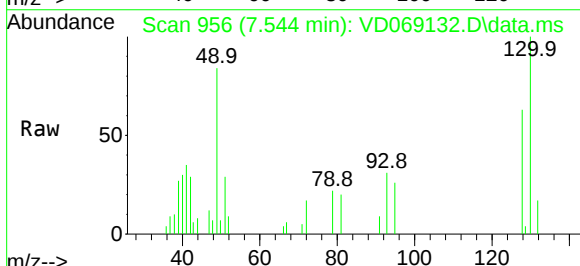
Delta R.T. -0.012 min

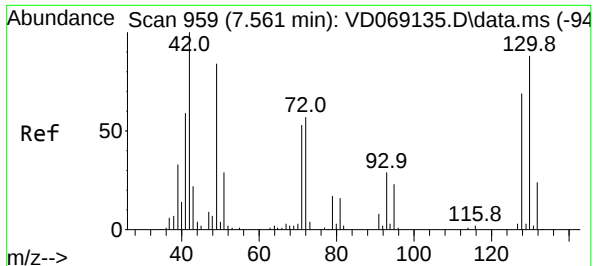
Lab File: VD069132.D

Acq: 12 May 2021 11:37

Tgt Ion: 49 Resp: 10734

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.2   | 0.0   | 6.4   |
| 130 | 97.8  | 75.8  | 113.6 |





#29

Tetrahydrofuran

Concen: 22.09 ug/l

RT: 7.561 min Scan# 959

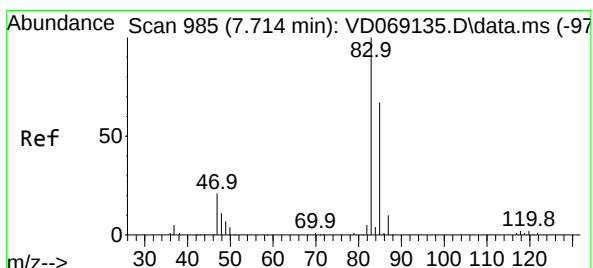
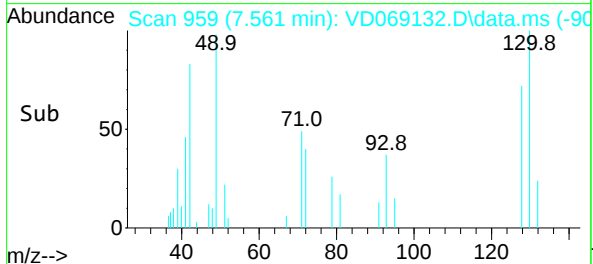
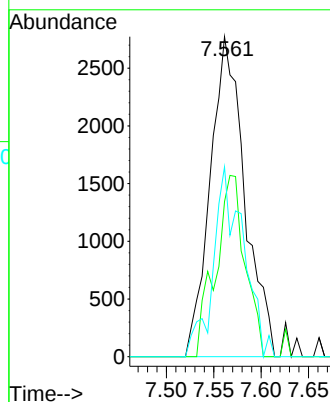
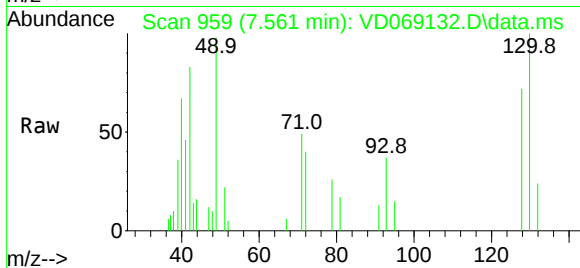
Delta R.T. 0.000 min

Lab File: VD069132.D

Acq: 12 May 2021 11:37

Tgt Ion: 42 Resp: 7027

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 48.4  | 45.9  | 68.9  |
| 71  | 51.9  | 42.9  | 64.3  |



#30

Chloroform

Concen: 5.05 ug/l

RT: 7.714 min Scan# 985

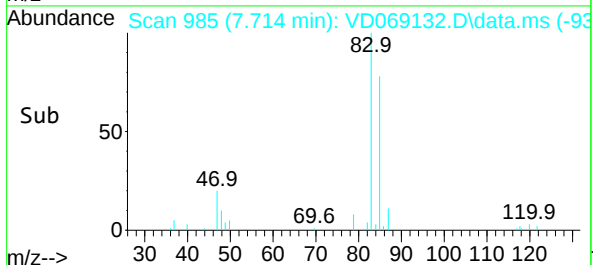
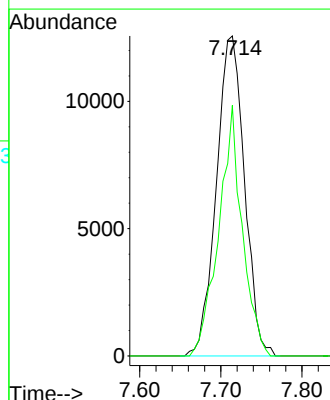
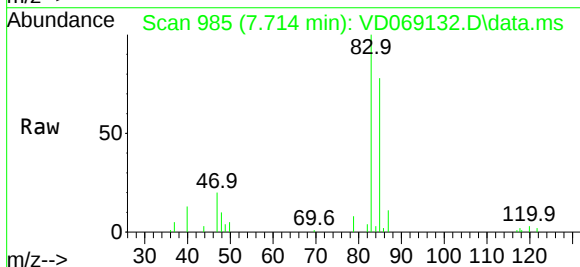
Delta R.T. 0.000 min

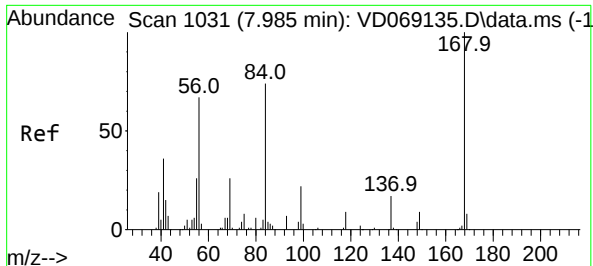
Lab File: VD069132.D

Acq: 12 May 2021 11:37

Tgt Ion: 83 Resp: 30293

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 78.3  | 54.0  | 81.0  |

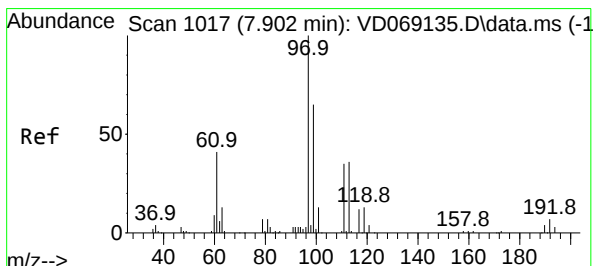
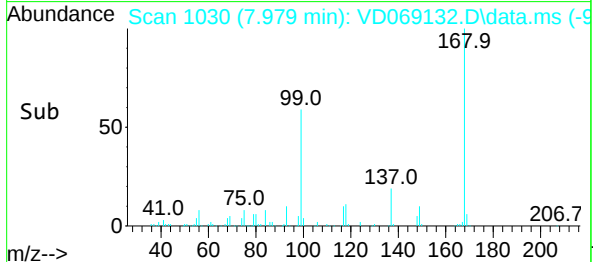
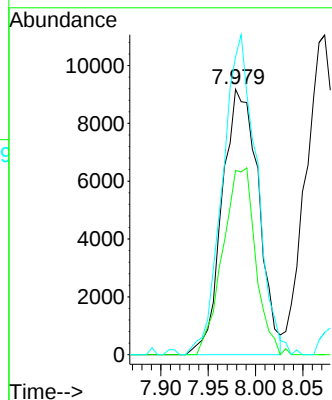
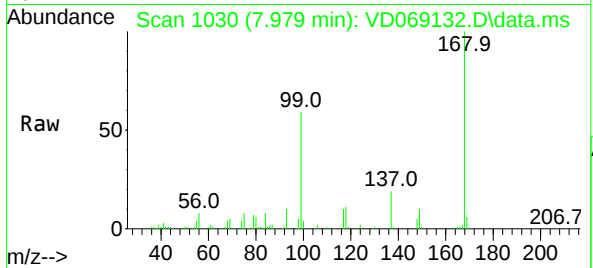




#31  
Cyclohexane  
Concen: 5.85 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

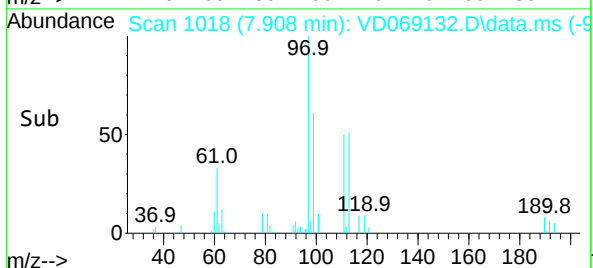
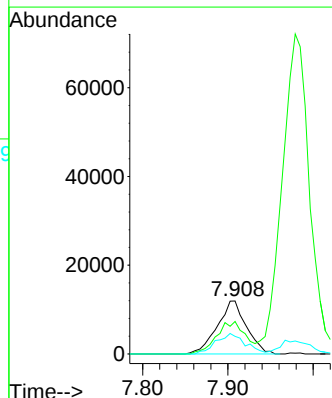
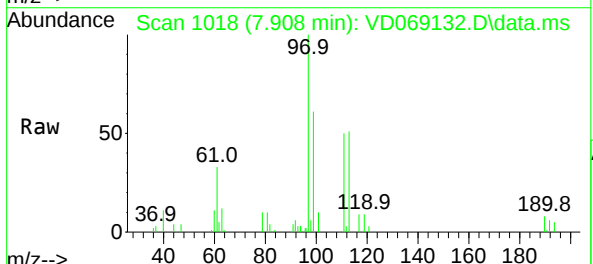
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

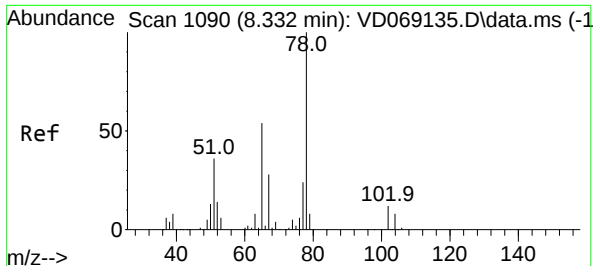
Tgt Ion: 56 Resp: 24442  
Ion Ratio Lower Upper  
56 100  
69 69.4 30.6 46.0#  
84 112.2 88.0 132.0



#32  
1,1,1-Trichloroethane  
Concen: 5.20 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. 0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 97 Resp: 28306  
Ion Ratio Lower Upper  
97 100  
99 60.8 51.5 77.3  
61 38.8 32.5 48.7

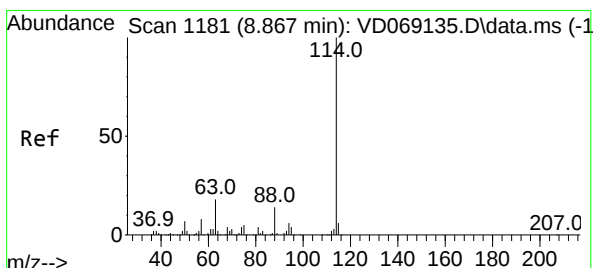
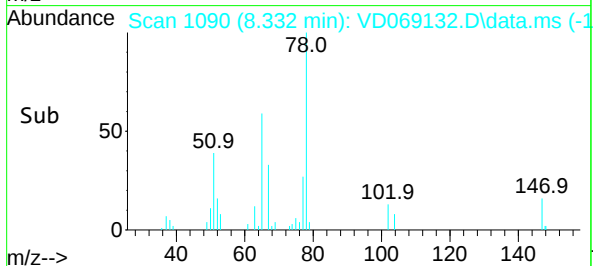
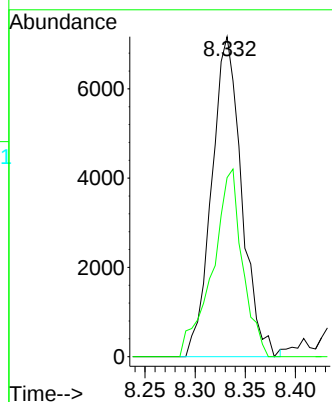
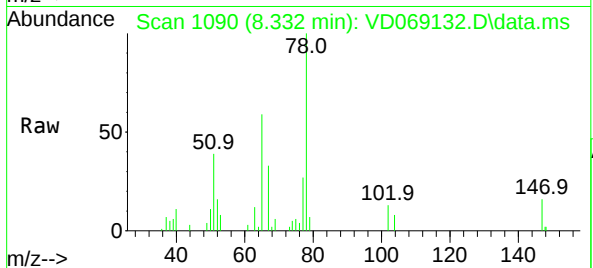




#33  
1,2-Dichloroethane-d4  
Concen: 5.27 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

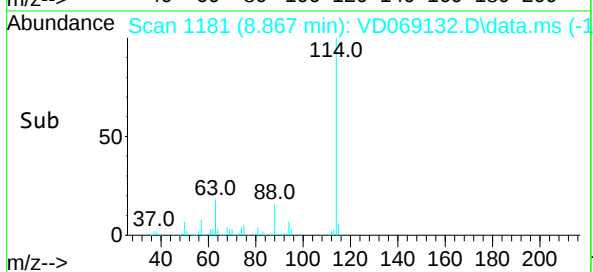
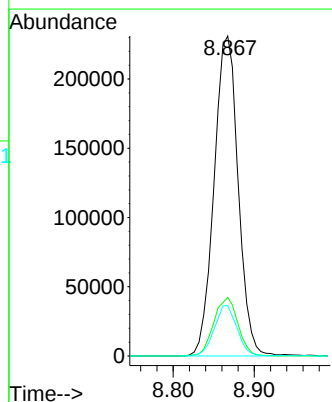
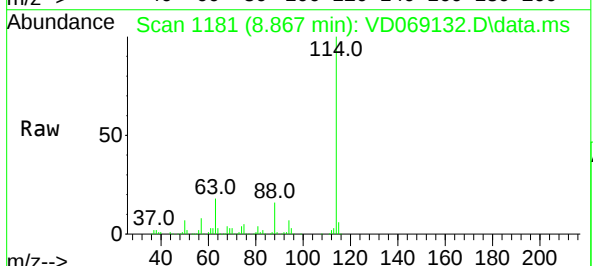
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

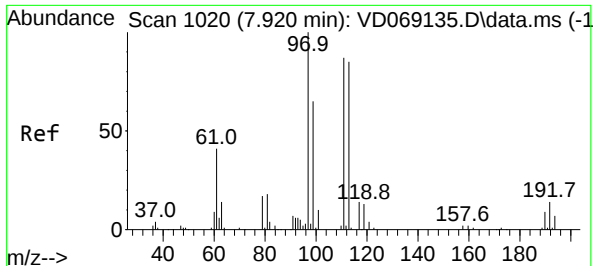
Tgt Ion: 65 Resp: 14854  
Ion Ratio Lower Upper  
65 100  
67 58.6 0.0 108.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 114 Resp: 476205  
Ion Ratio Lower Upper  
114 100  
63 18.3 0.0 36.4  
88 15.8 0.0 28.2





#35

Dibromofluoromethane

Concen: 5.07 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD069132.D

Acq: 12 May 2021 11:37

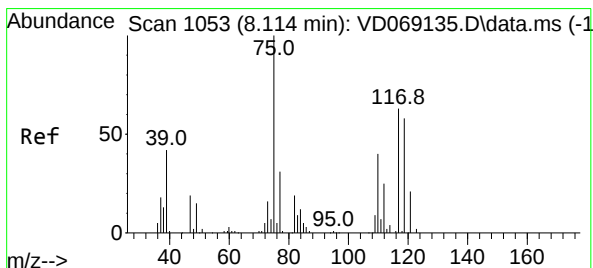
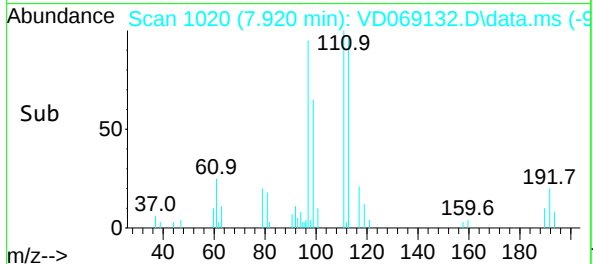
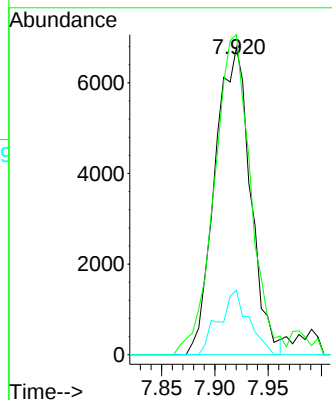
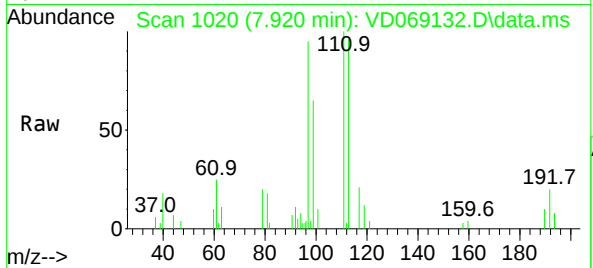
Tgt Ion:113 Resp: 15708

Ion Ratio Lower Upper

113 100

111 106.0 80.6 120.8

192 17.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.57 ug/l

RT: 8.114 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VD069132.D

Acq: 12 May 2021 11:37

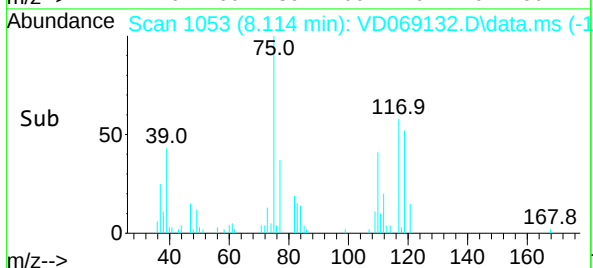
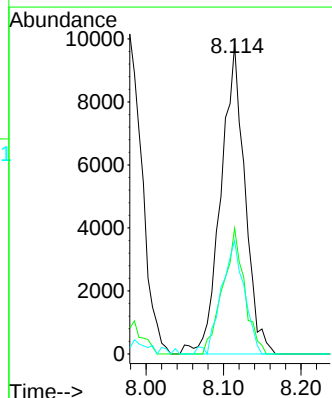
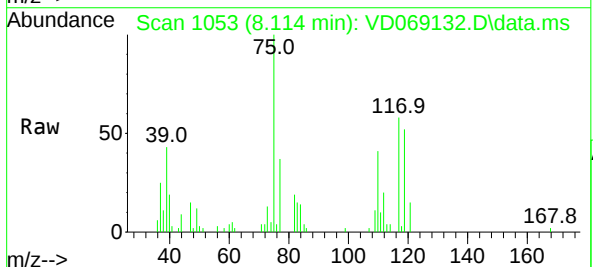
Tgt Ion: 75 Resp: 21166

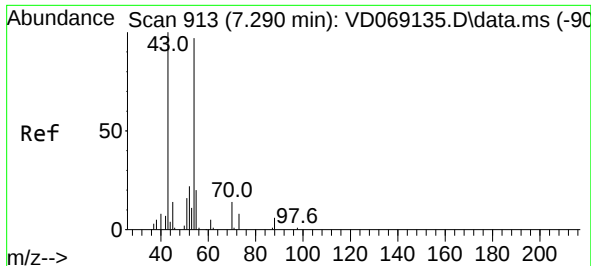
Ion Ratio Lower Upper

75 100

110 36.4 18.8 56.4

77 34.8 25.2 37.8

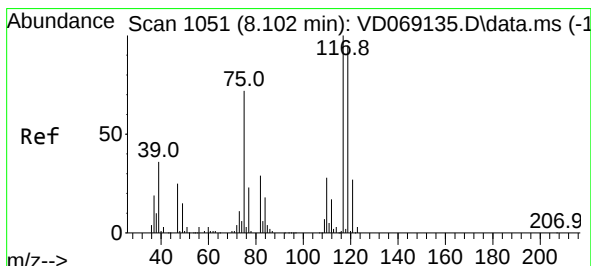
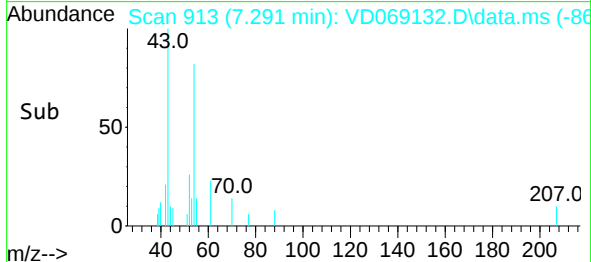
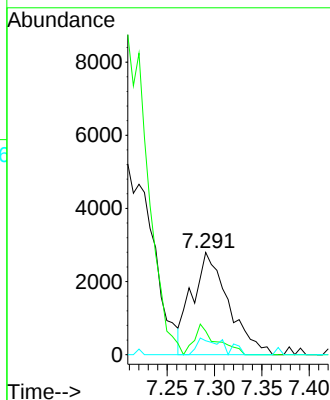
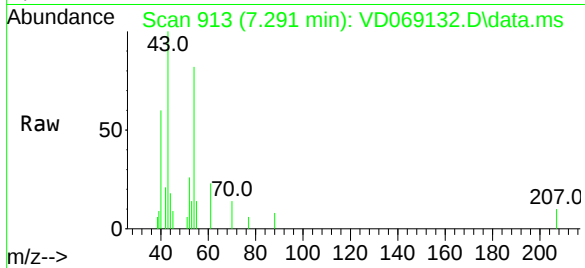




#37  
Ethyl Acetate  
Concen: 5.01 ug/l  
RT: 7.291 min Scan# 913  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

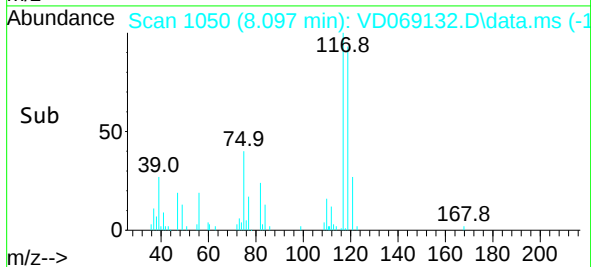
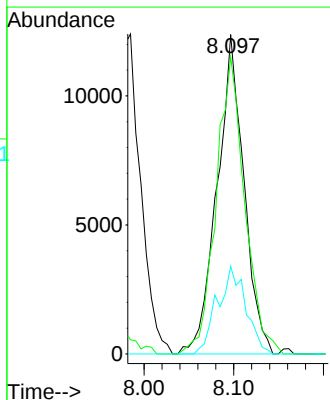
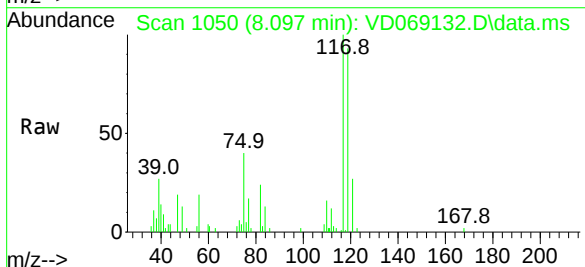
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

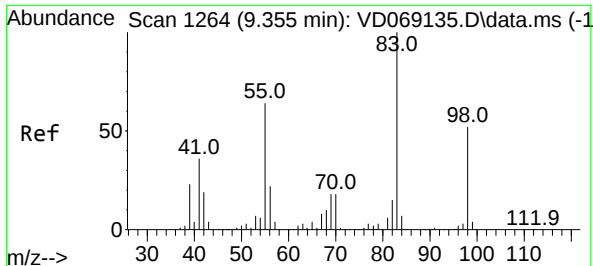
Tgt Ion: 43 Resp: 7449  
Ion Ratio Lower Upper  
43 100  
61 18.1 11.5 17.3#  
70 9.6 10.4 15.6#



#38  
Carbon Tetrachloride  
Concen: 4.97 ug/l  
RT: 8.097 min Scan# 1050  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 117 Resp: 25724  
Ion Ratio Lower Upper  
117 100  
119 93.0 76.2 114.2  
121 27.5 21.9 32.9





#39

Methylcyclohexane

Concen: 4.24 ug/l

RT: 9.355 min Scan# 1264

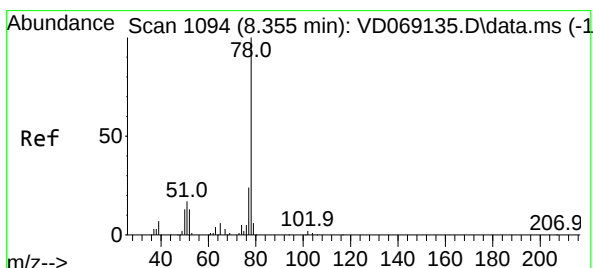
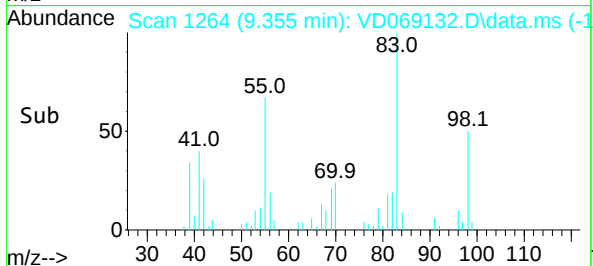
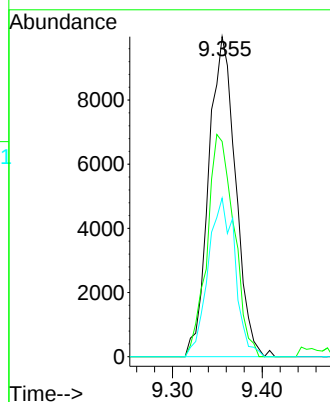
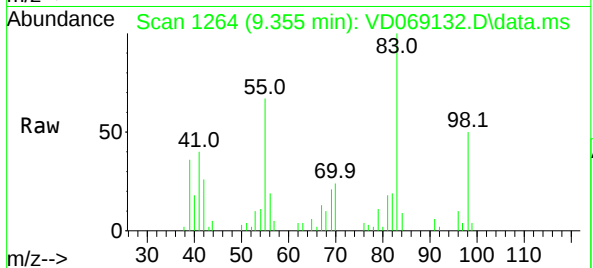
Delta R.T. 0.000 min

Lab File: VD069132.D

Acq: 12 May 2021 11:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 20726 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 67.3  | 51.2  | 76.8  |
| 98       | 49.5  | 41.4  | 62.2  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005



#40

Benzene

Concen: 4.72 ug/l

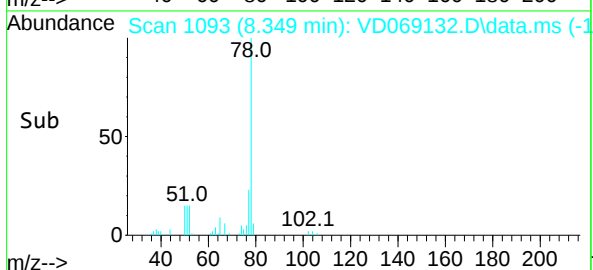
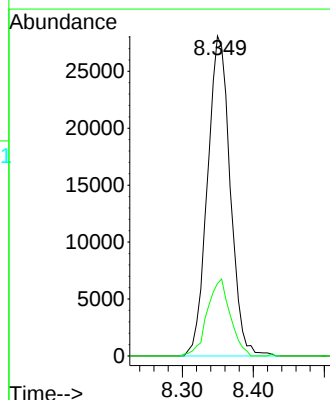
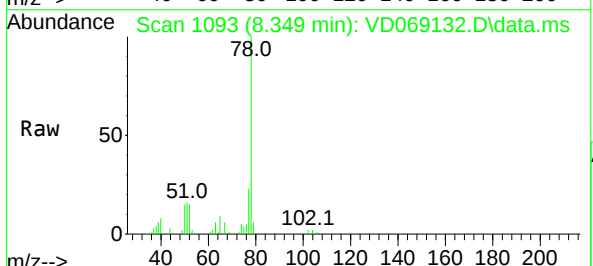
RT: 8.349 min Scan# 1093

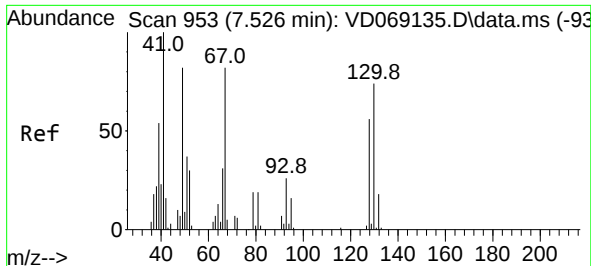
Delta R.T. -0.006 min

Lab File: VD069132.D

Acq: 12 May 2021 11:37

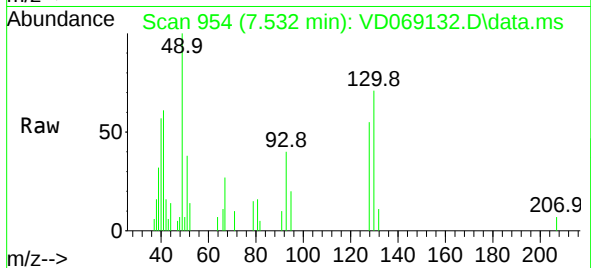
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 62533 |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 22.7  | 19.1  | 28.7  |



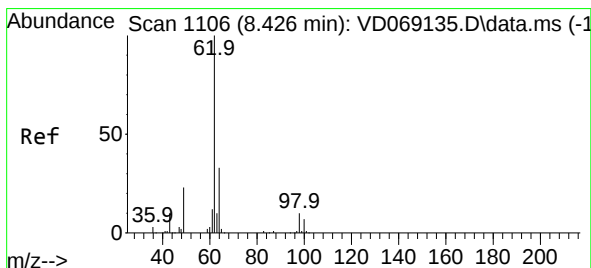
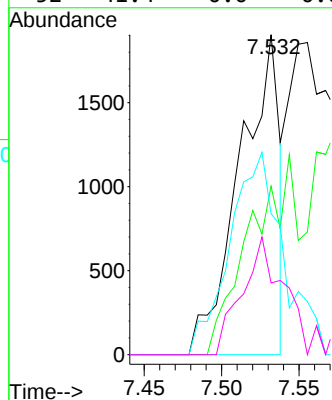
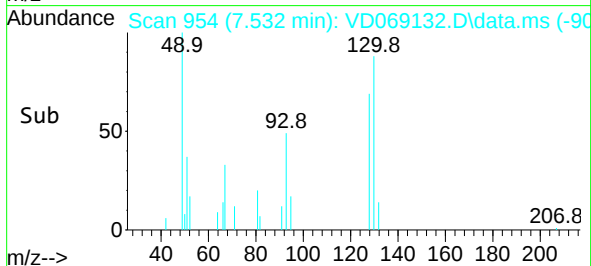


#41  
Methacrylonitrile  
Concen: 4.66 ug/l  
RT: 7.532 min Scan# 954  
Delta R.T. 0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

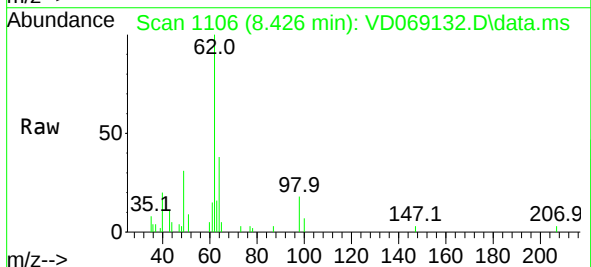
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005



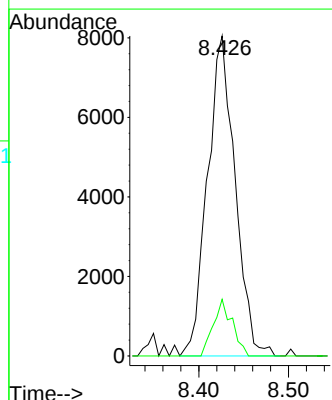
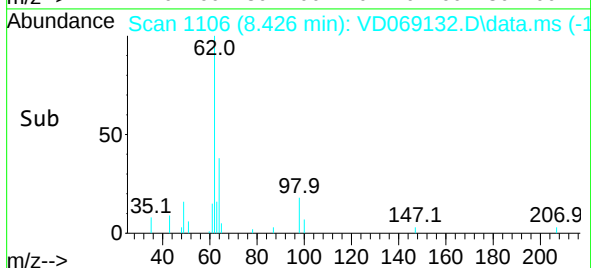
Tgt Ion: 41 Resp: 3410  
Ion Ratio Lower Upper  
41 100  
39 0.0 58.0 87.0#  
67 84.6 0.0 0.0#  
52 41.4 0.0 0.0#

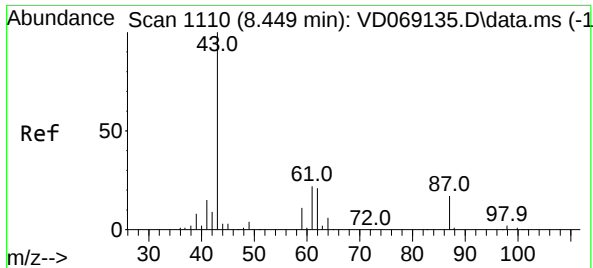


#42  
1,2-Dichloroethane  
Concen: 4.76 ug/l  
RT: 8.426 min Scan# 1106  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37



Tgt Ion: 62 Resp: 17225  
Ion Ratio Lower Upper  
62 100  
98 12.1 0.0 20.6

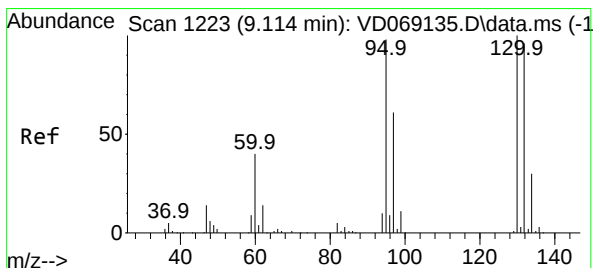
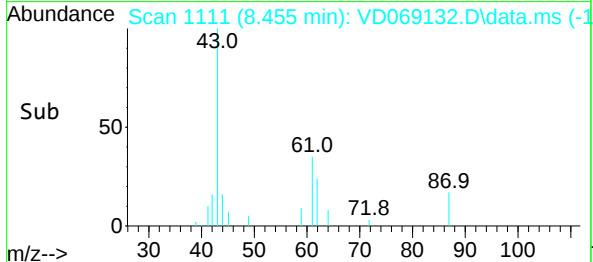
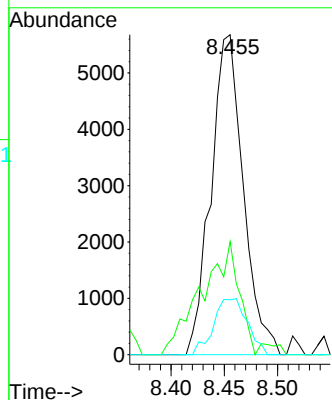
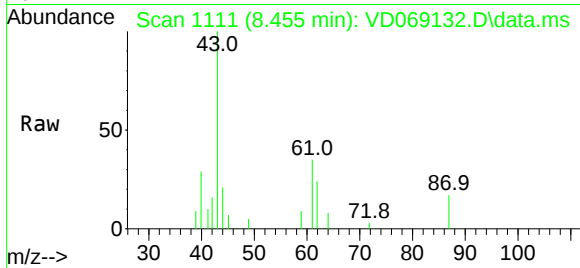




#43  
Isopropyl Acetate  
Concen: 4.44 ug/l  
RT: 8.455 min Scan# 1111  
Delta R.T. 0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

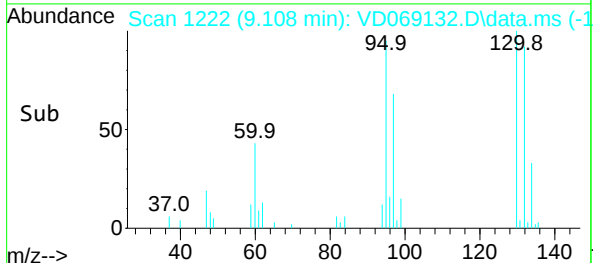
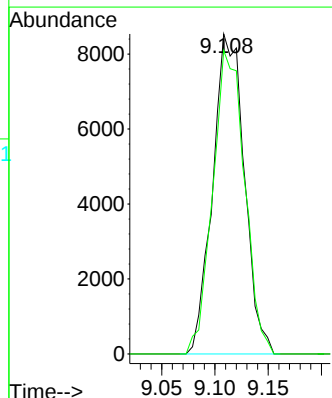
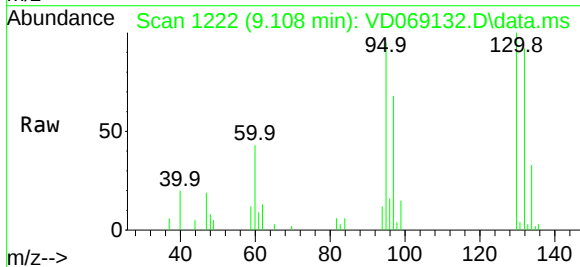
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 11981 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 42.3  | 28.6  | 42.8  |
| 87       | 18.2  | 13.8  | 20.8  |



#44  
Trichloroethene  
Concen: 4.75 ug/l  
RT: 9.108 min Scan# 1222  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 17603 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 94.8  | 0.0   | 196.2 |





#45

1,2-Dichloropropane

Concen: 4.69 ug/l

RT: 9.385 min Scan# 1269

Delta R.T. -0.006 min

Lab File: VD069132.D

Acq: 12 May 2021 11:37

Tgt Ion: 63 Resp: 14682

Ion Ratio Lower Upper

63 100

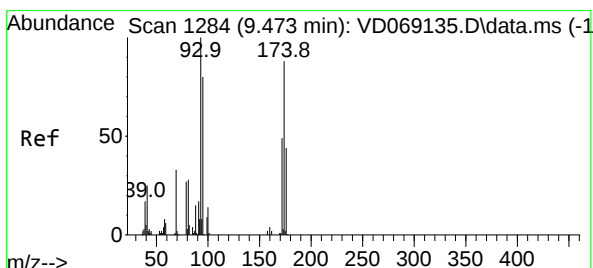
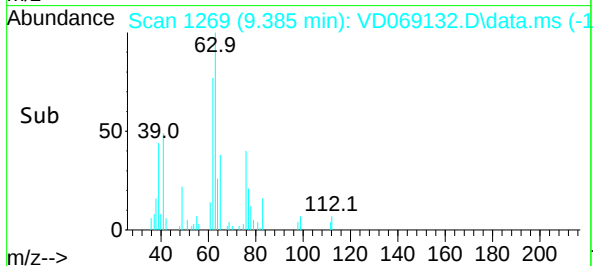
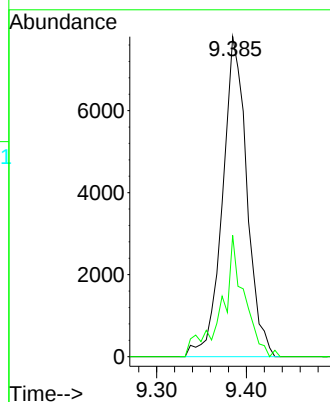
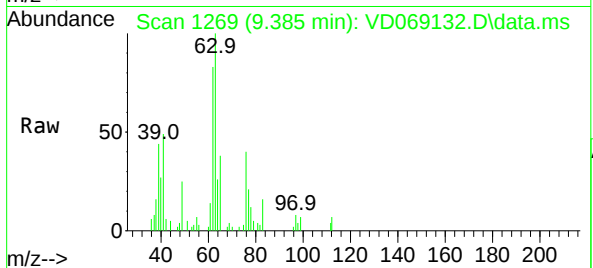
65 37.9 25.9 38.9

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005



#46

Dibromomethane

Concen: 4.99 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.000 min

Lab File: VD069132.D

Acq: 12 May 2021 11:37

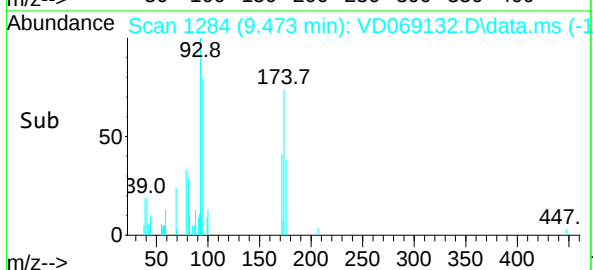
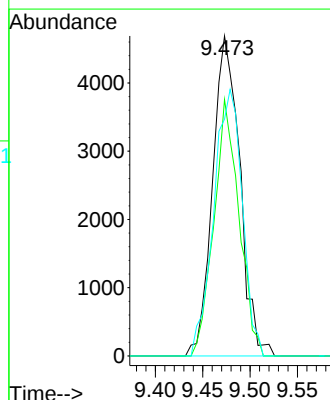
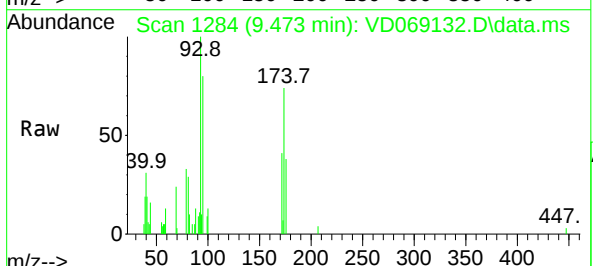
Tgt Ion: 93 Resp: 9335

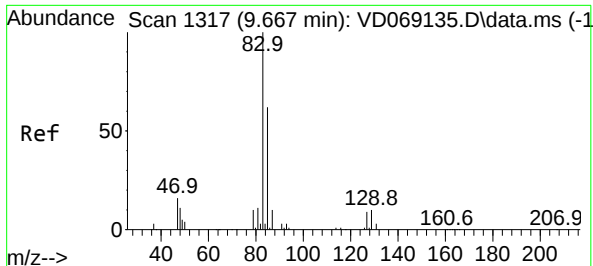
Ion Ratio Lower Upper

93 100

95 74.5 65.9 98.9

174 87.5 76.6 115.0

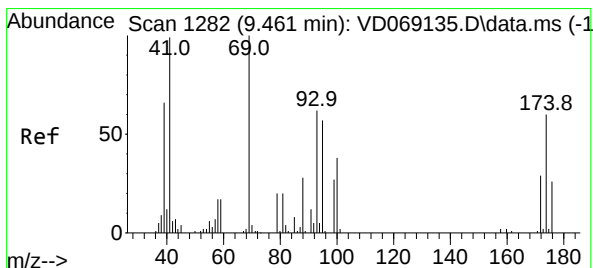
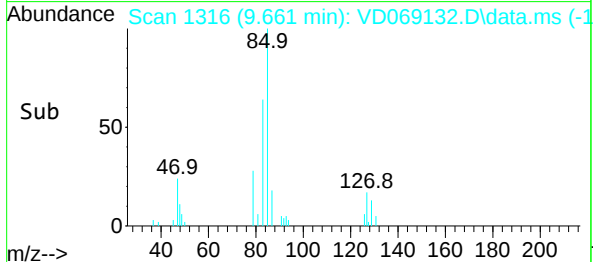
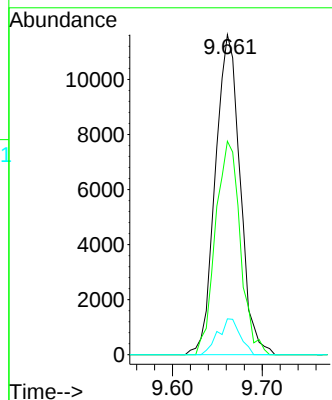
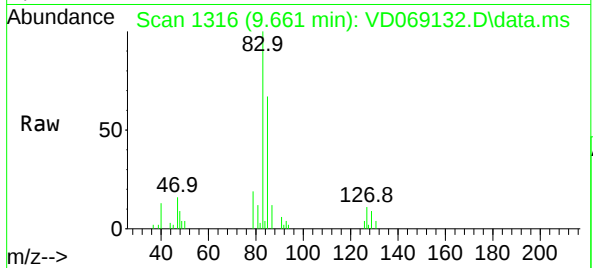




#47  
Bromodichloromethane  
Concen: 4.68 ug/l  
RT: 9.661 min Scan# 1316  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

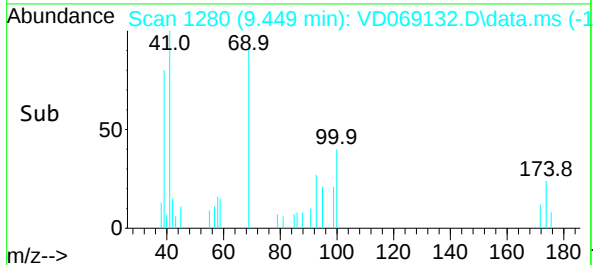
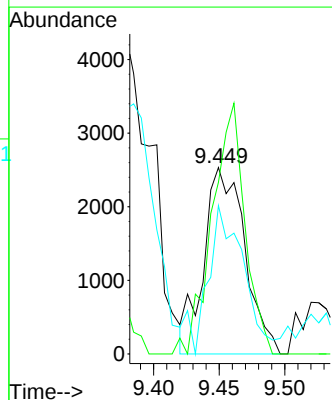
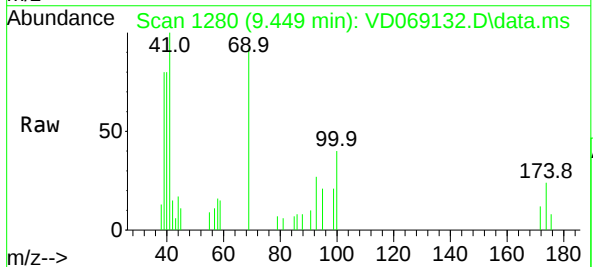
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

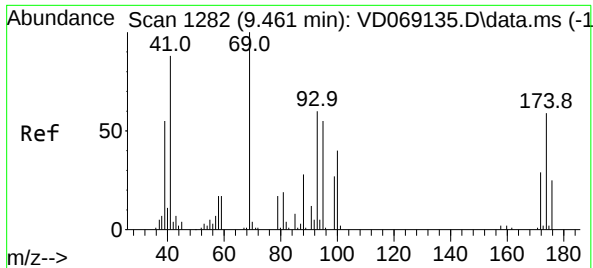
Tgt Ion: 83 Resp: 22271  
Ion Ratio Lower Upper  
83 100  
85 66.7 50.0 75.0  
127 12.7 7.1 10.7#



#48  
Methyl methacrylate  
Concen: 4.42 ug/l  
RT: 9.449 min Scan# 1280  
Delta R.T. -0.012 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 41 Resp: 5527  
Ion Ratio Lower Upper  
41 100  
69 107.0 88.0 132.0  
39 65.7 51.4 77.0

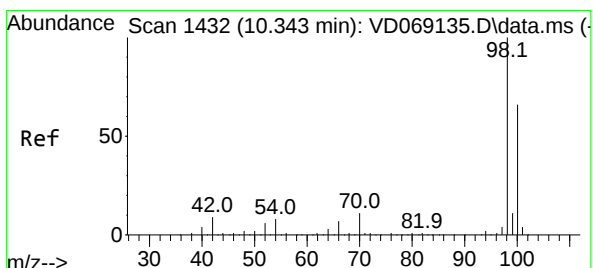
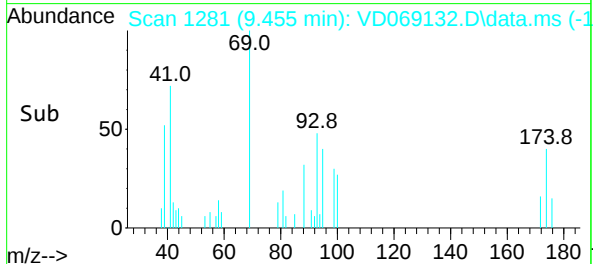
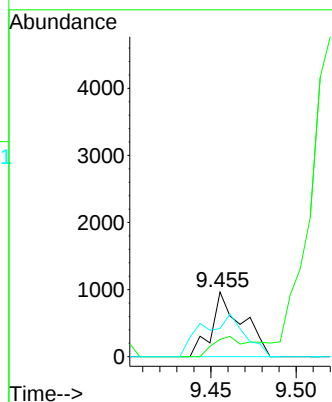
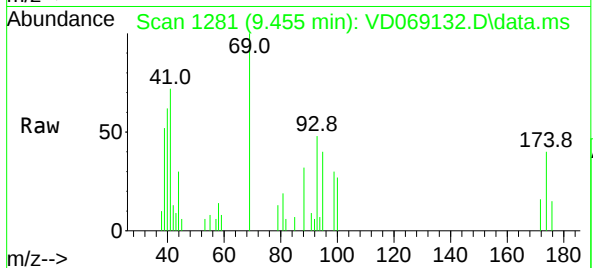




#49  
1,4-Dioxane  
Concen: 68.64 ug/l  
RT: 9.455 min Scan# 1281  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

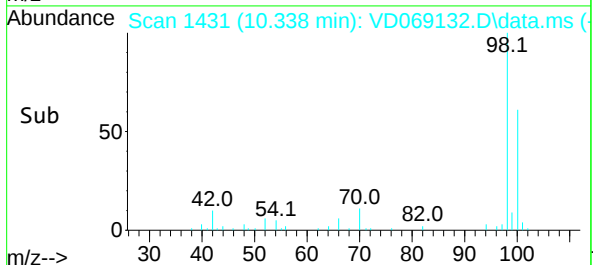
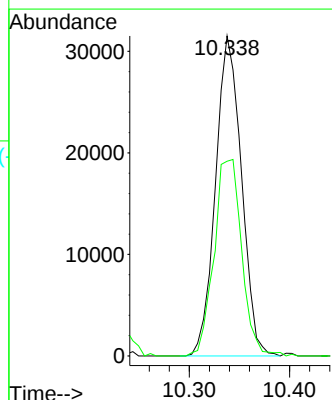
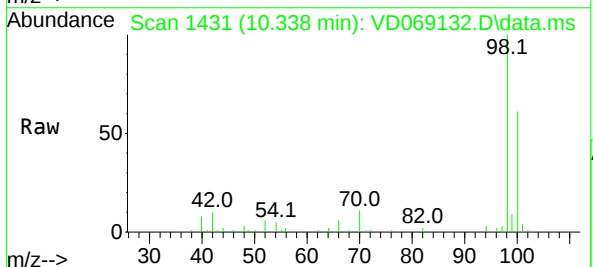
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

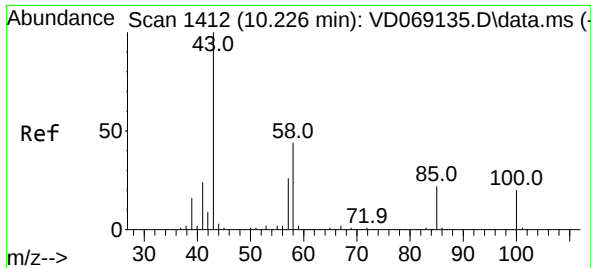
Tgt Ion: 88 Resp: 1208  
Ion Ratio Lower Upper  
88 100  
43 39.1 26.7 40.1  
58 89.7 45.8 68.6#



#50  
Toluene-d8  
Concen: 4.97 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 98 Resp: 56562  
Ion Ratio Lower Upper  
98 100  
100 65.7 51.8 77.8

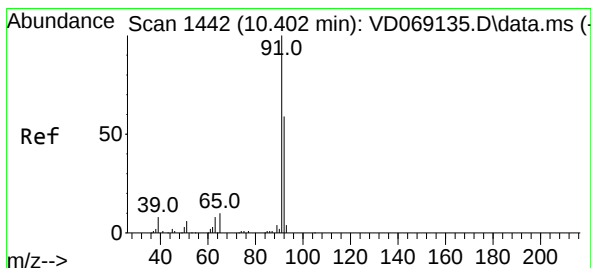
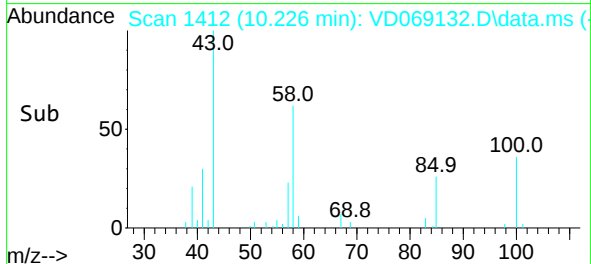
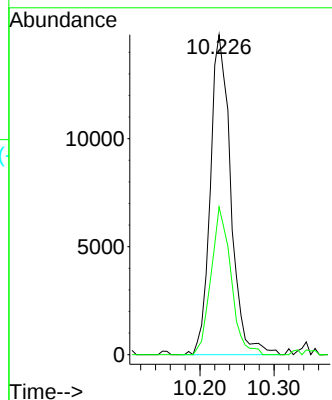
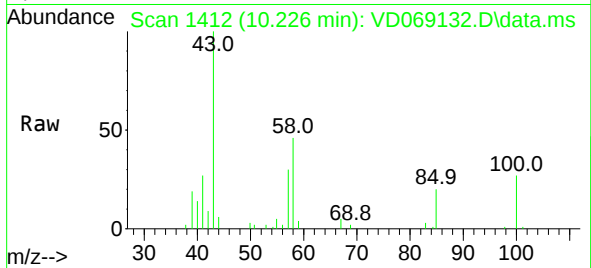




#51  
4-Methyl-2-Pentanone  
Concen: 20.42 ug/l  
RT: 10.226 min Scan# 1412  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

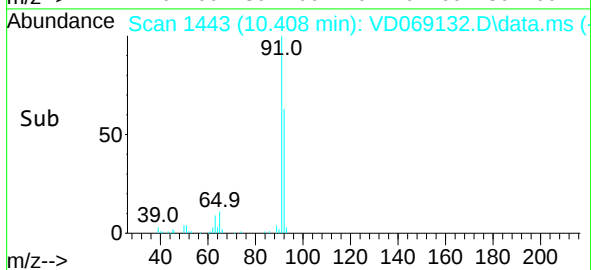
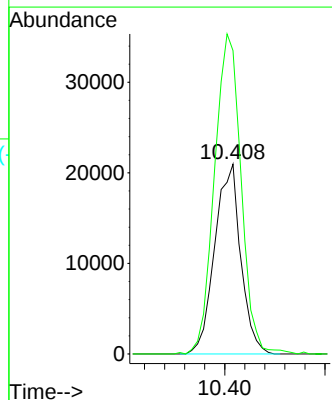
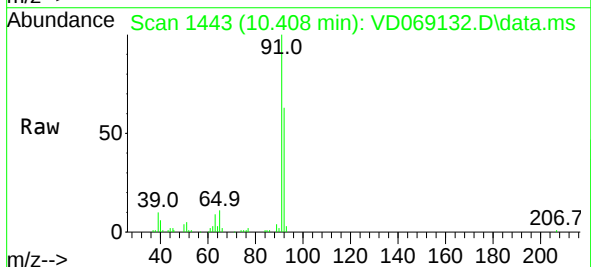
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

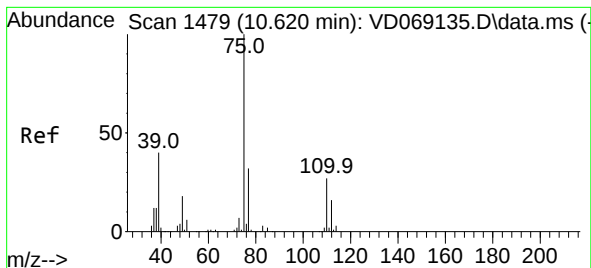
Tgt Ion: 43 Resp: 28383  
Ion Ratio Lower Upper  
43 100  
58 45.1 35.0 52.4



#52  
Toluene  
Concen: 4.39 ug/l  
RT: 10.408 min Scan# 1443  
Delta R.T. 0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 92 Resp: 37561  
Ion Ratio Lower Upper  
92 100  
91 173.2 136.2 204.2

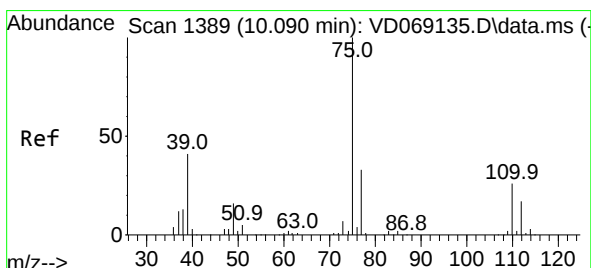
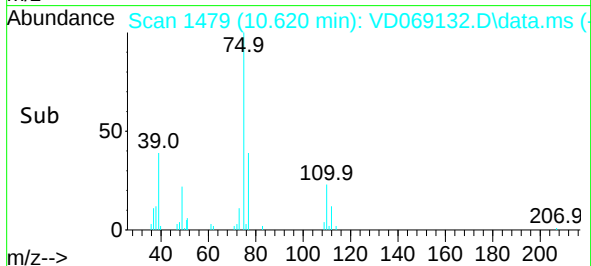
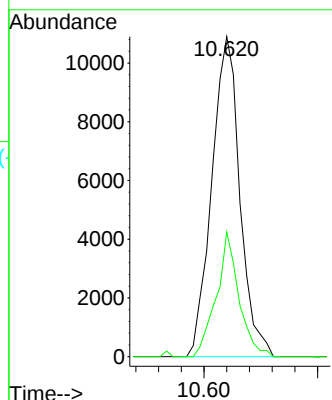
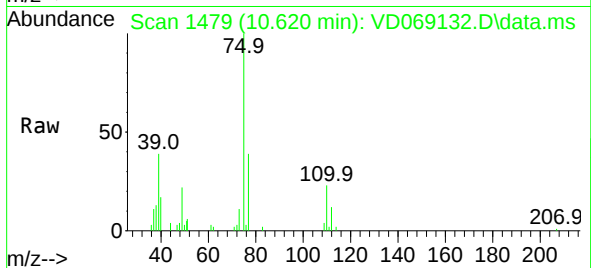




#53  
t-1,3-Dichloropropene  
Concen: 4.46 ug/l  
RT: 10.620 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

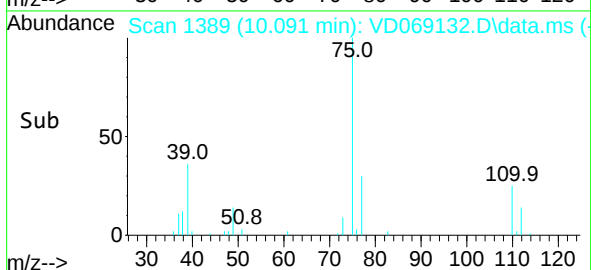
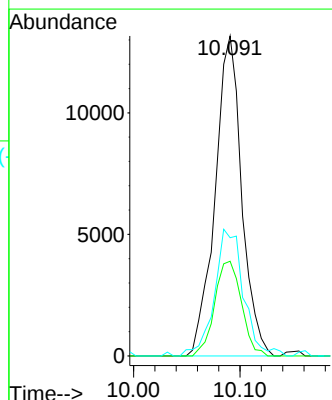
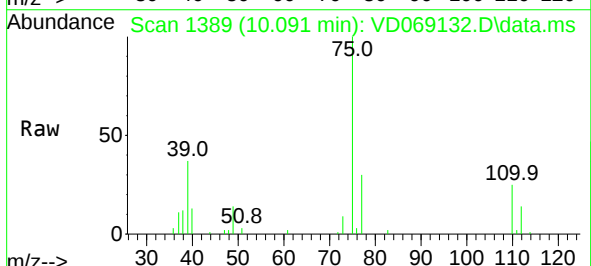
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

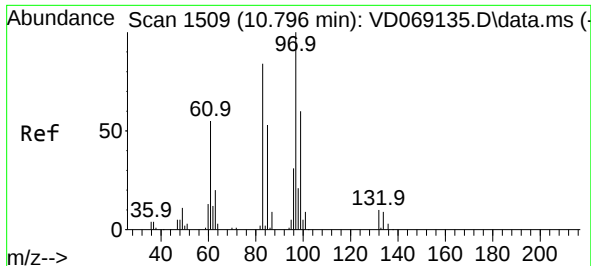
Tgt Ion: 75 Resp: 18674  
Ion Ratio Lower Upper  
75 100  
77 38.9 26.0 39.0



#54  
cis-1,3-Dichloropropene  
Concen: 4.57 ug/l  
RT: 10.091 min Scan# 1389  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 75 Resp: 22855  
Ion Ratio Lower Upper  
75 100  
77 29.6 26.2 39.4  
39 37.0 32.9 49.3

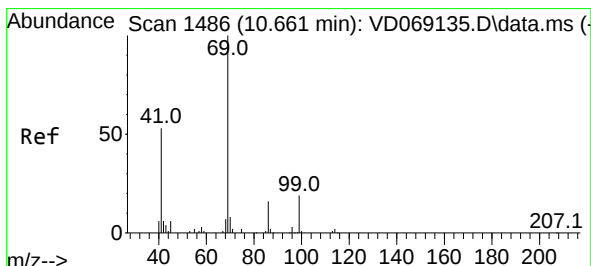
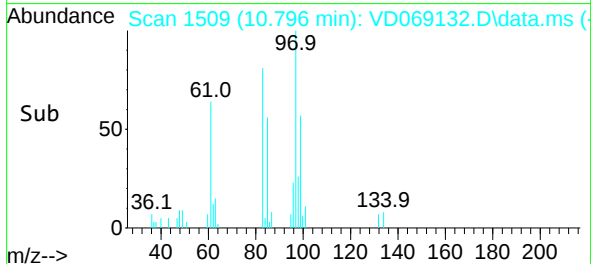
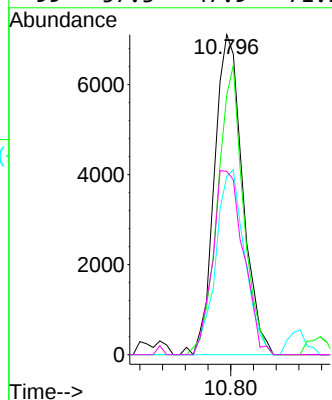
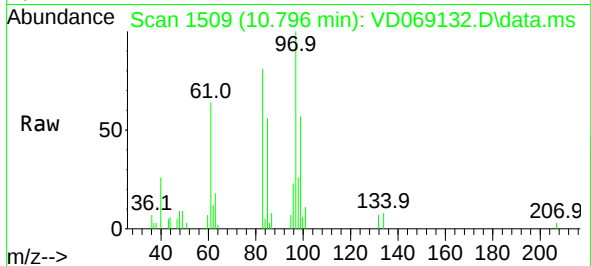




#55  
1,1,2-Trichloroethane  
Concen: 4.86 ug/l  
RT: 10.796 min Scan# 1509  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

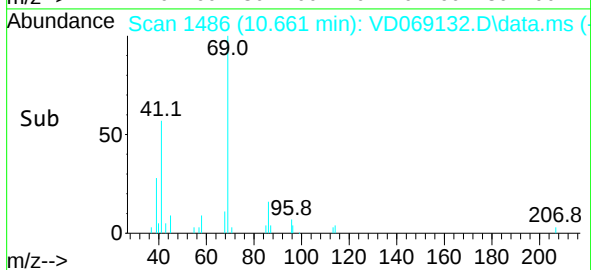
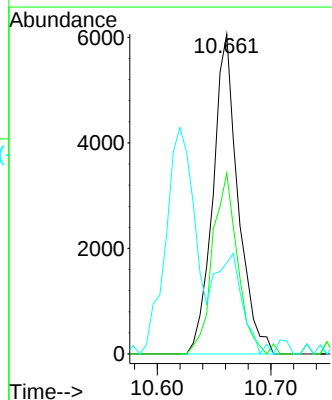
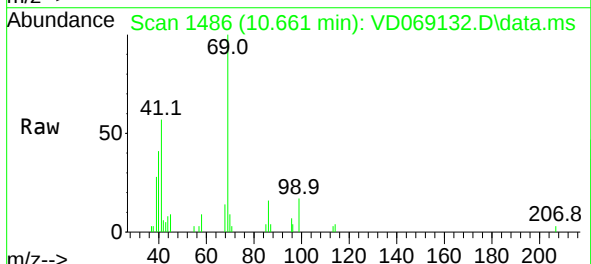
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

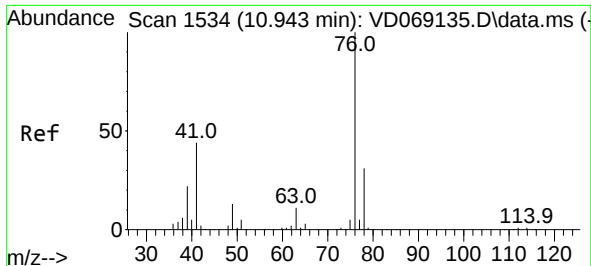
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 12269 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 81.1  | 66.9  | 100.3 |
| 85       | 55.7  | 42.2  | 63.4  |
| 99       | 57.3  | 47.9  | 71.9  |



#56  
Ethyl methacrylate  
Concen: 3.69 ug/l  
RT: 10.661 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 9304  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 55.9  | 42.2  | 63.2  |
| 39       | 34.3  | 26.3  | 39.5  |

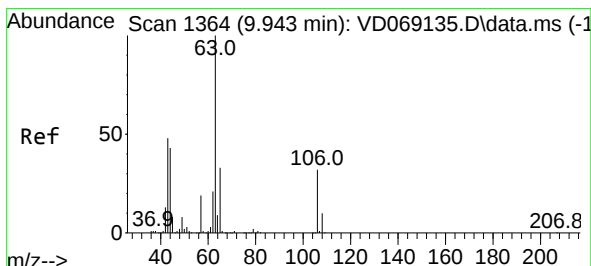
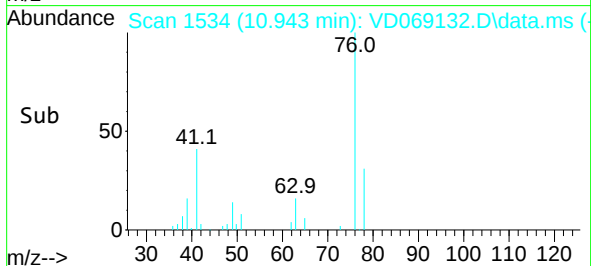
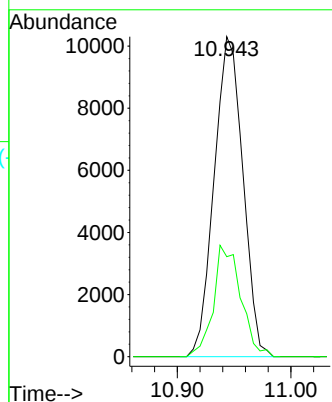
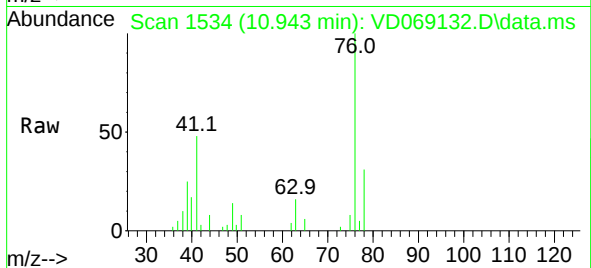




#57  
1,3-Dichloropropane  
Concen: 4.44 ug/l  
RT: 10.943 min Scan# 1534  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

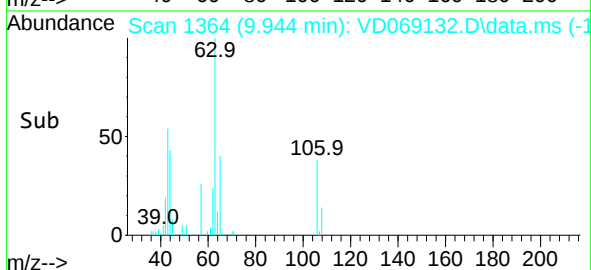
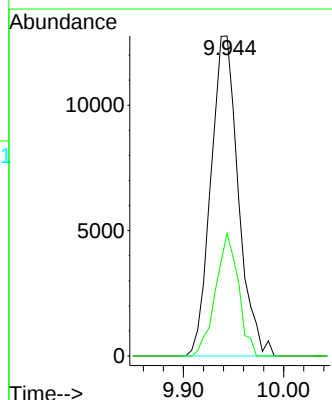
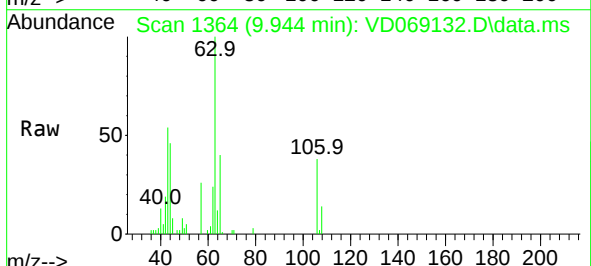
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

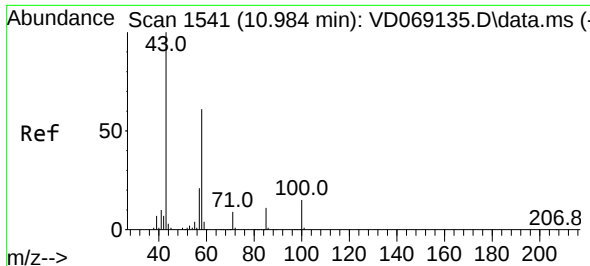
Tgt Ion: 76 Resp: 18114  
Ion Ratio Lower Upper  
76 100  
78 33.1 25.7 38.5



#58  
2-Chloroethyl Vinyl ether  
Concen: 19.43 ug/l  
RT: 9.944 min Scan# 1364  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 63 Resp: 24255  
Ion Ratio Lower Upper  
63 100  
106 31.6 25.3 37.9

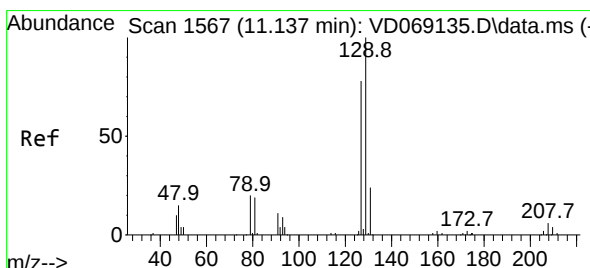
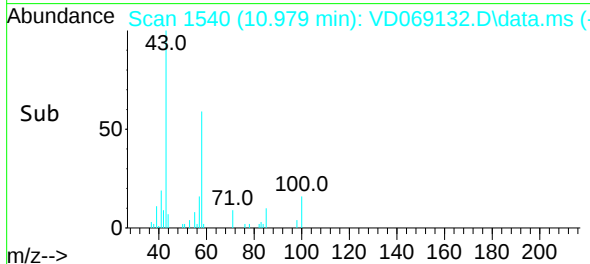
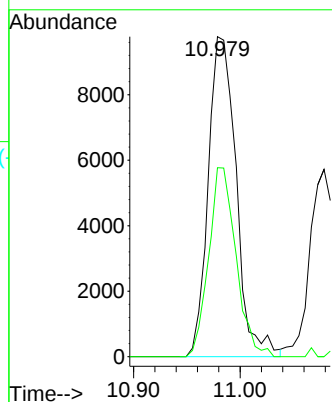
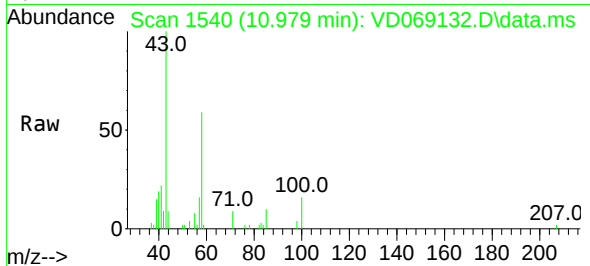




#59  
2-Hexanone  
Concen: 19.21 ug/l  
RT: 10.979 min Scan# 1540  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

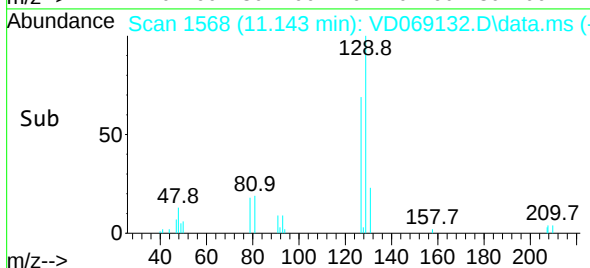
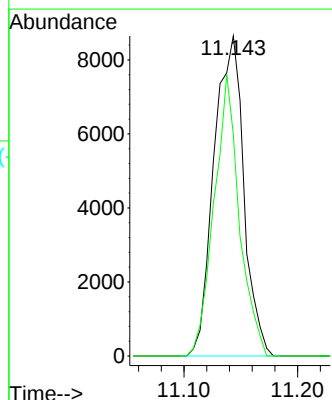
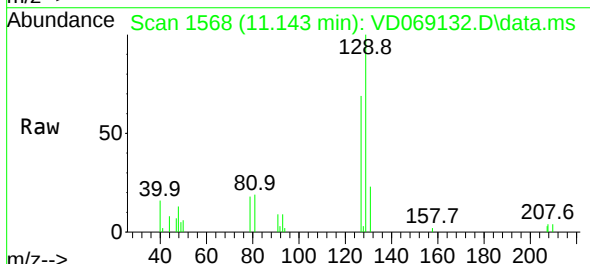
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

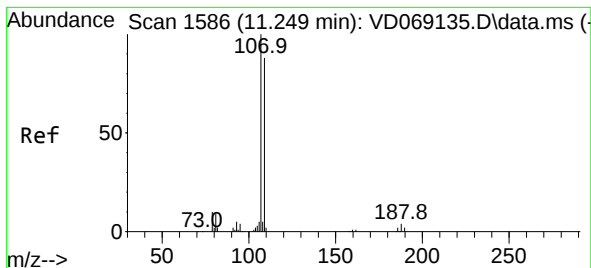
Tgt Ion: 43 Resp: 17819  
Ion Ratio Lower Upper  
43 100  
58 57.8 31.1 93.5



#60  
Dibromochloromethane  
Concen: 4.86 ug/l  
RT: 11.143 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 129 Resp: 15728  
Ion Ratio Lower Upper  
129 100  
127 74.6 38.5 115.5

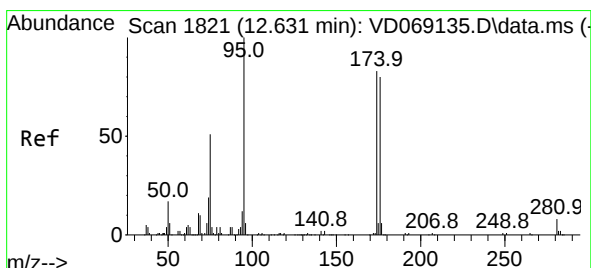
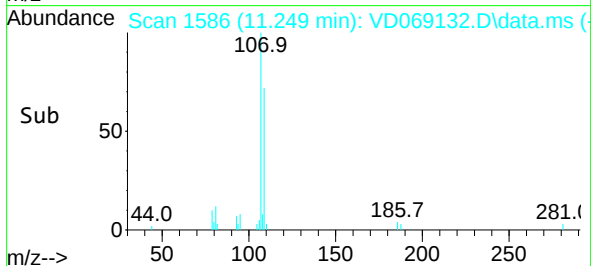
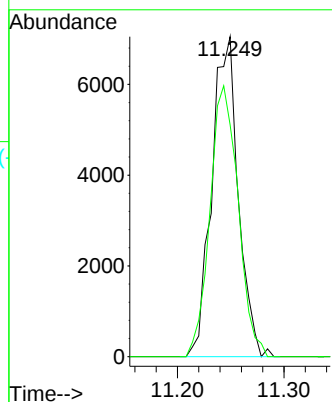
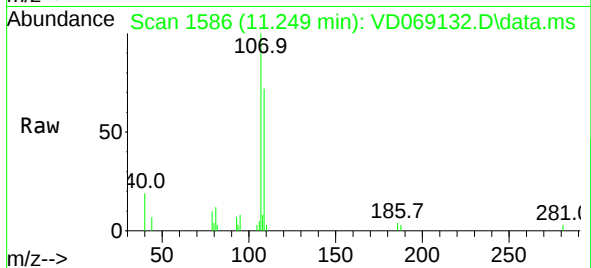




#61  
1,2-Dibromoethane  
Concen: 4.88 ug/l  
RT: 11.249 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

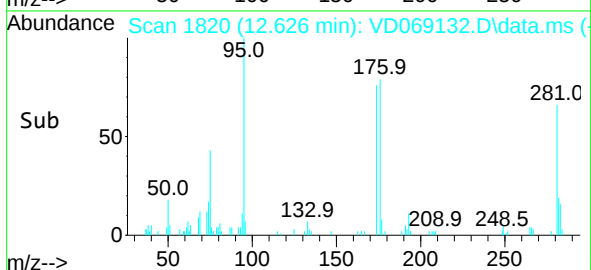
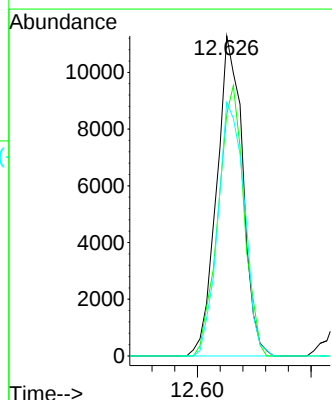
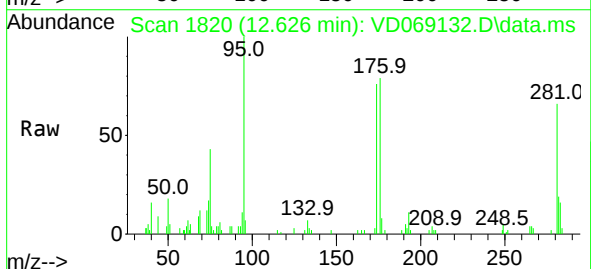
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

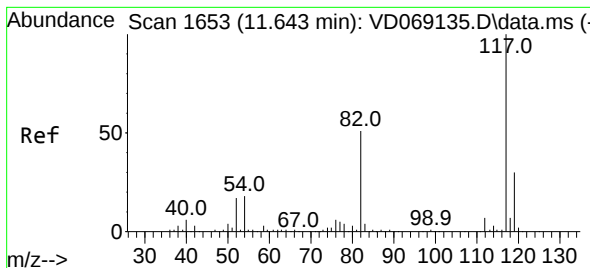
Tgt Ion:107 Resp: 12152  
Ion Ratio Lower Upper  
107 100  
109 90.2 73.6 110.4



#62  
4-Bromofluorobenzene  
Concen: 4.89 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 95 Resp: 17917  
Ion Ratio Lower Upper  
95 100  
174 83.5 0.0 171.8  
176 81.1 0.0 165.4

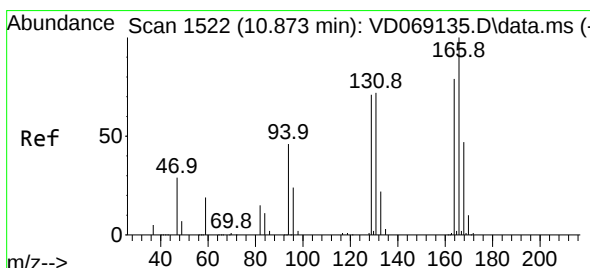
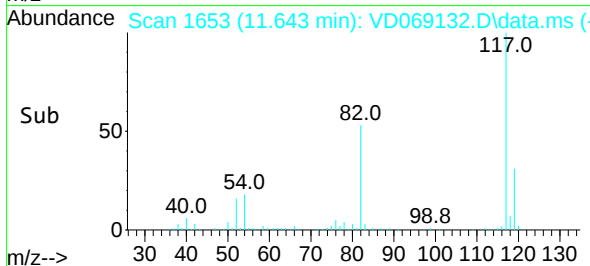
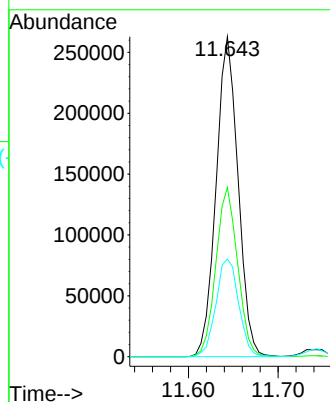
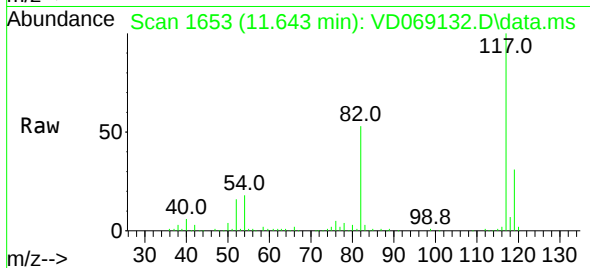




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

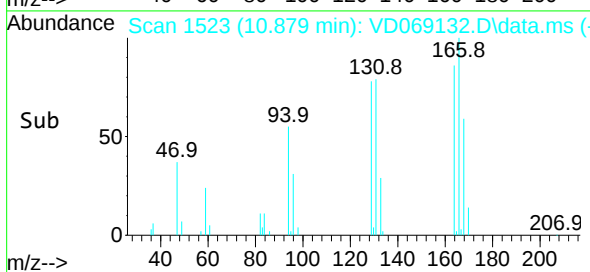
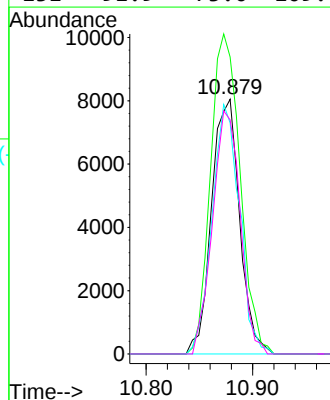
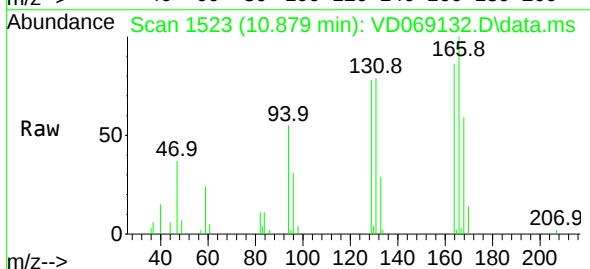
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

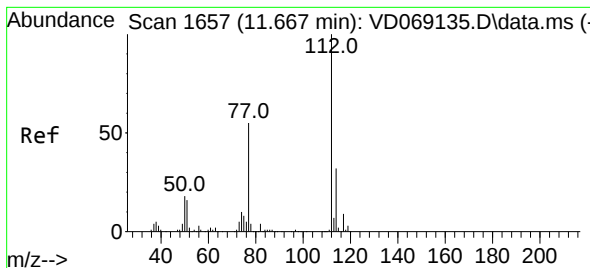
Tgt Ion:117 Resp: 446694  
Ion Ratio Lower Upper  
117 100  
82 52.9 40.5 60.7  
119 30.5 24.2 36.4



#64  
Tetrachloroethene  
Concen: 4.74 ug/l  
RT: 10.879 min Scan# 1523  
Delta R.T. 0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion:164 Resp: 14725  
Ion Ratio Lower Upper  
164 100  
166 116.6 101.7 152.5  
129 90.7 72.6 109.0  
131 91.9 73.0 109.4

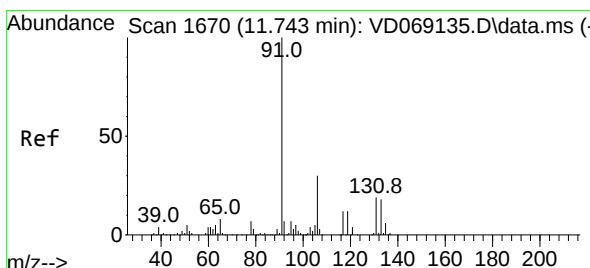
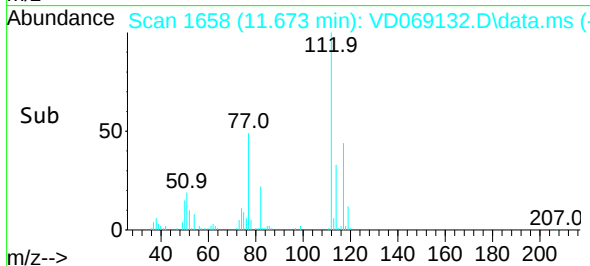
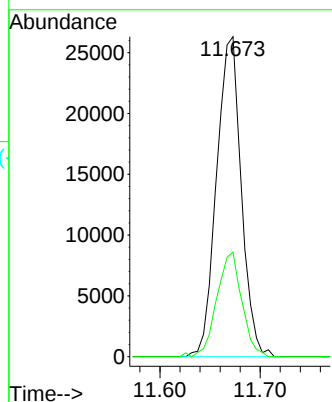
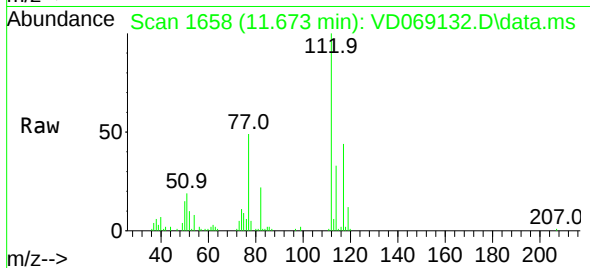




#65  
Chlorobenzene  
Concen: 4.85 ug/l  
RT: 11.673 min Scan# 1658  
Delta R.T. 0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

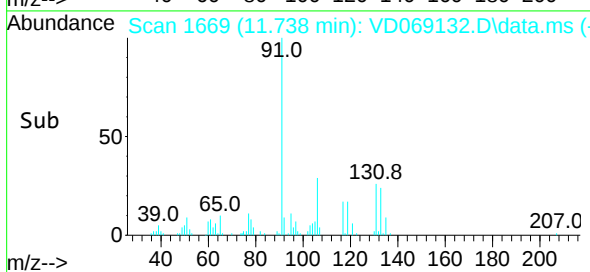
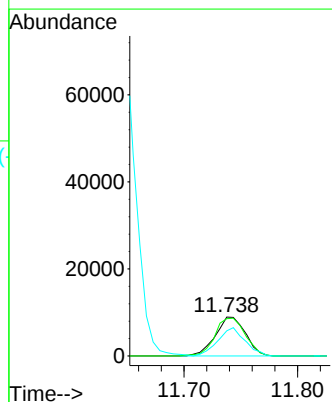
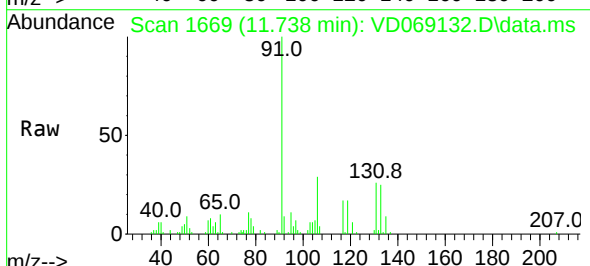
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

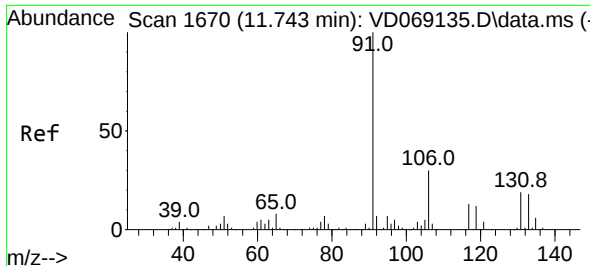
Tgt Ion:112 Resp: 44917  
Ion Ratio Lower Upper  
112 100  
114 32.7 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.72 ug/l  
RT: 11.738 min Scan# 1669  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion:131 Resp: 16464  
Ion Ratio Lower Upper  
131 100  
133 98.6 47.5 142.5  
119 65.8 32.1 96.5

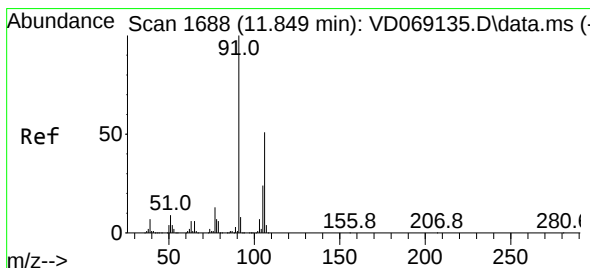
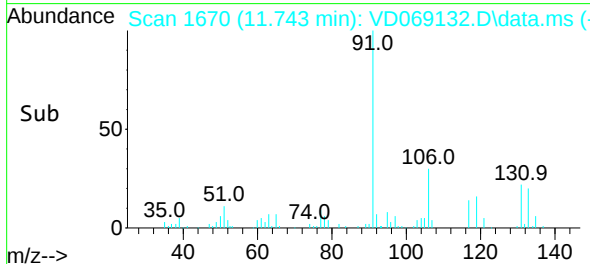
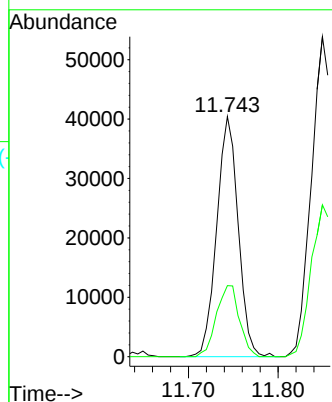
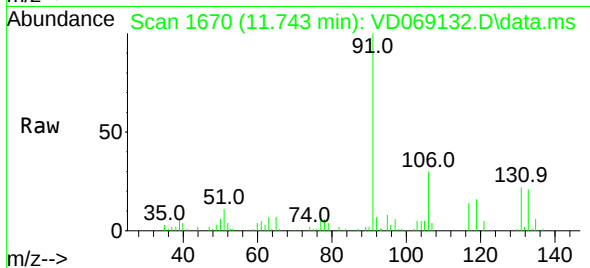




#67  
Ethyl Benzene  
Concen: 4.21 ug/l  
RT: 11.743 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

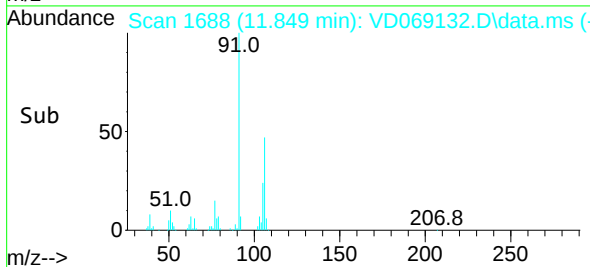
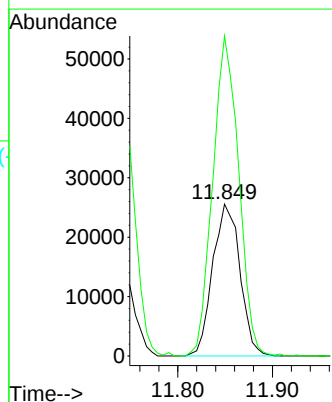
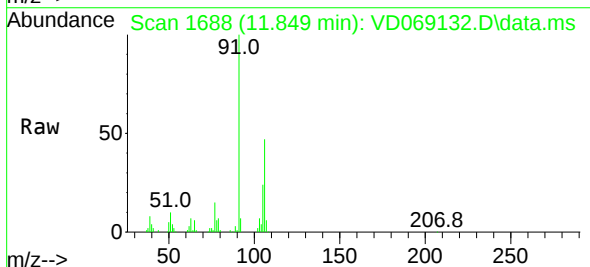
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

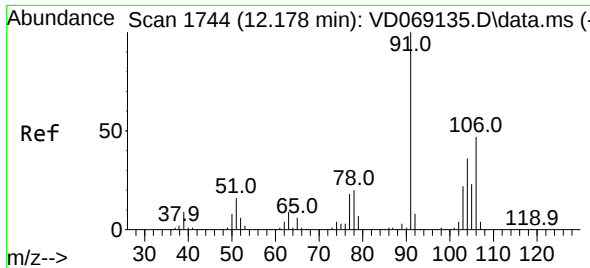
Tgt Ion: 91 Resp: 67105  
Ion Ratio Lower Upper  
91 100  
106 29.6 24.0 36.0



#68  
m/p-Xylenes  
Concen: 8.20 ug/l  
RT: 11.849 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 106 Resp: 51214  
Ion Ratio Lower Upper  
106 100  
91 200.5 157.3 235.9

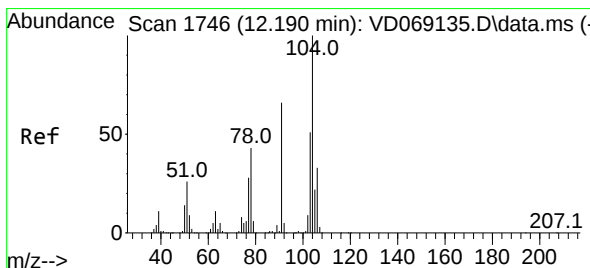
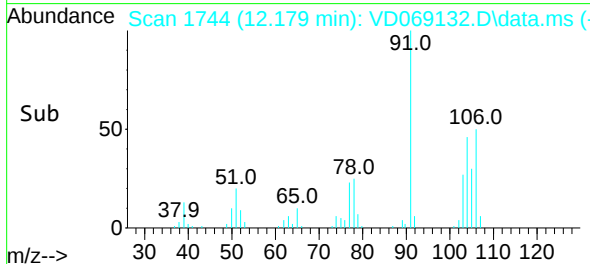
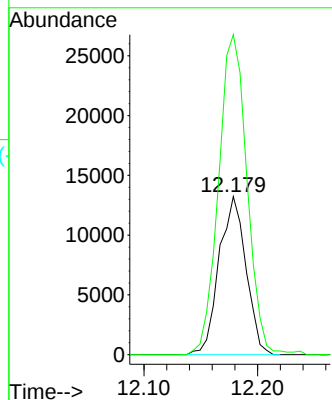
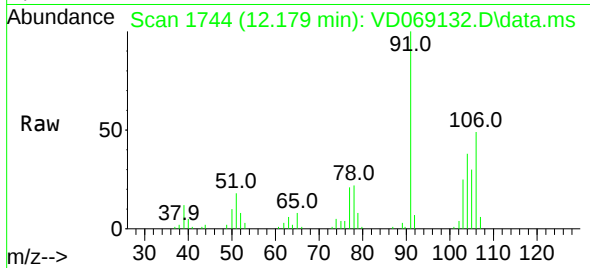




#69  
o-Xylene  
Concen: 3.92 ug/l  
RT: 12.179 min Scan# 1744  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

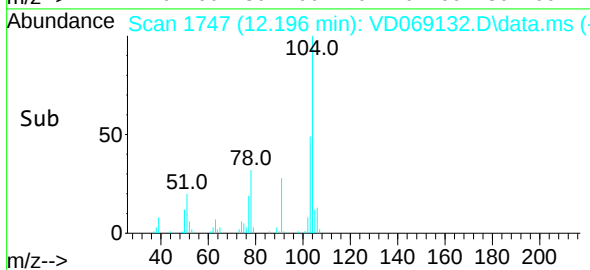
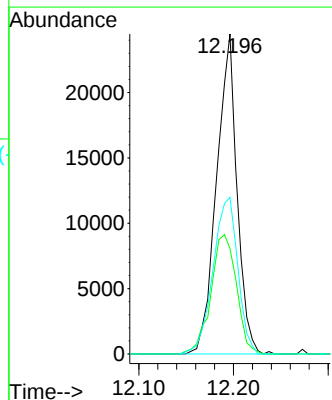
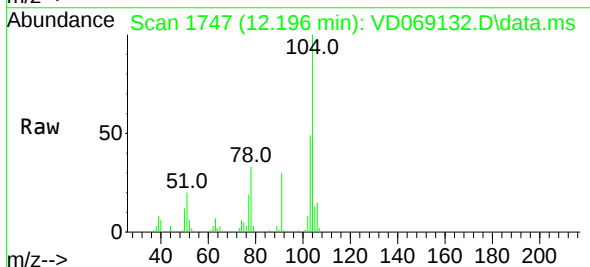
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

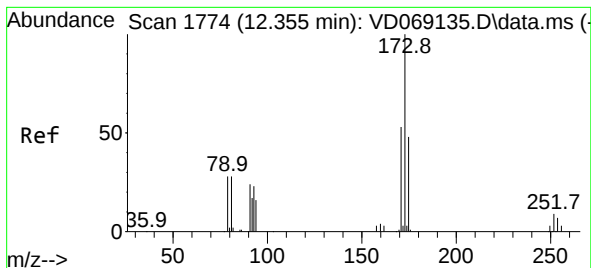
Tgt Ion:106 Resp: 21762  
Ion Ratio Lower Upper  
106 100  
91 214.5 104.8 314.6



#70  
Styrene  
Concen: 3.80 ug/l  
RT: 12.196 min Scan# 1747  
Delta R.T. 0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion:104 Resp: 36803  
Ion Ratio Lower Upper  
104 100  
78 46.5 37.8 56.6  
103 59.0 44.8 67.2





#71

Bromoform

Concen: 4.83 ug/l

RT: 12.355 min Scan# 1774

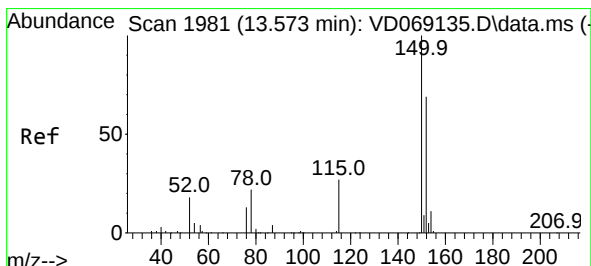
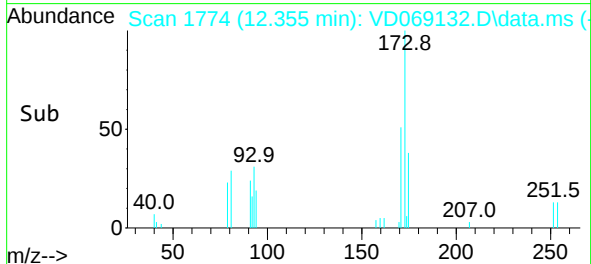
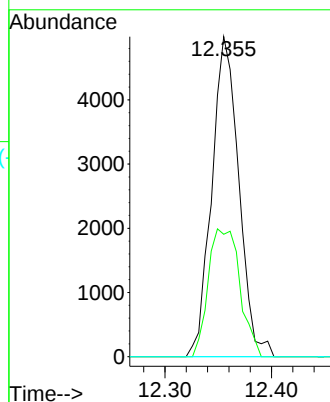
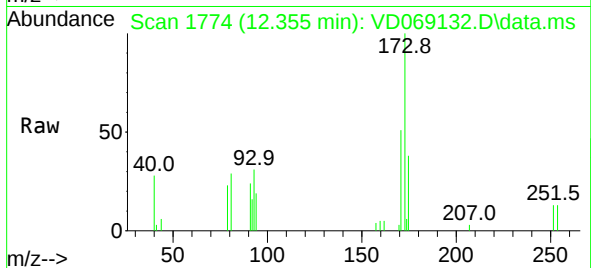
Delta R.T. 0.000 min

Lab File: VD069132.D

Acq: 12 May 2021 11:37

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 8780 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 46.6  | 24.3  | 73.0 |
| 254       | 0.0   | 0.0   | 0.0  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

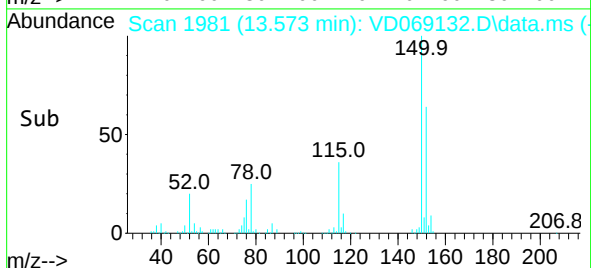
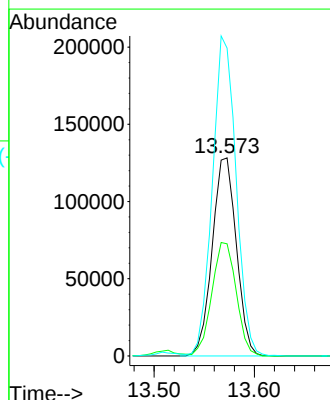
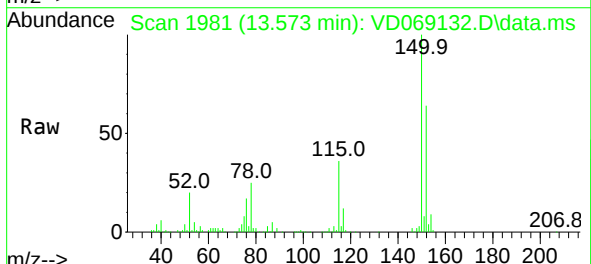
RT: 13.573 min Scan# 1981

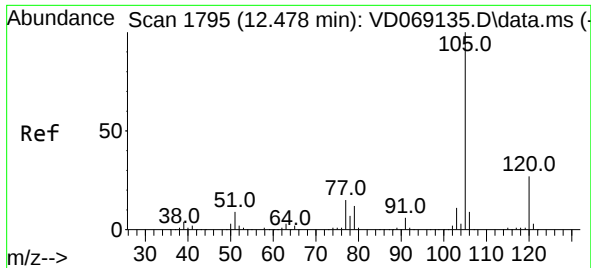
Delta R.T. 0.000 min

Lab File: VD069132.D

Acq: 12 May 2021 11:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 214647 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 58.0  | 29.9  | 89.8   |
| 150       | 158.4 | 0.0   | 350.2  |

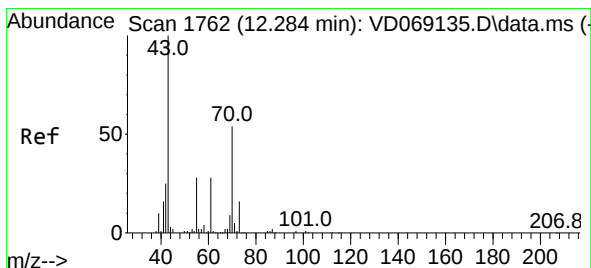
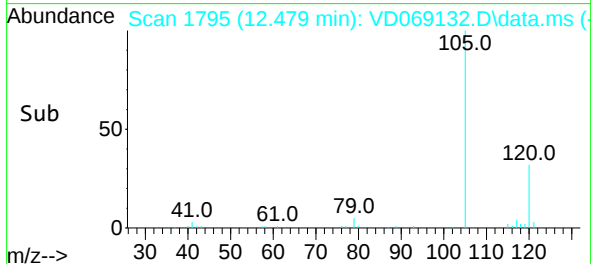
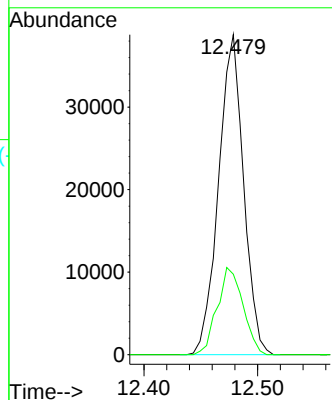
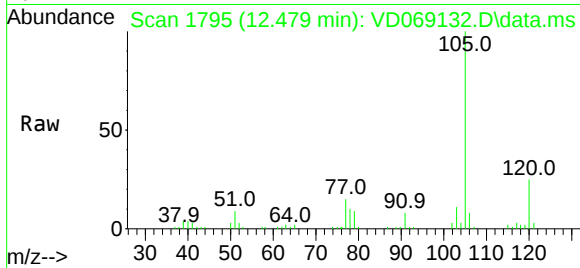




#73  
Isopropylbenzene  
Concen: 3.95 ug/l  
RT: 12.479 min Scan# 1795  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

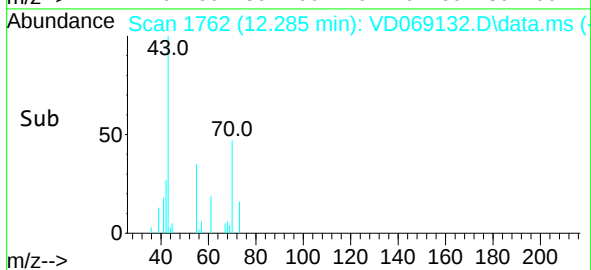
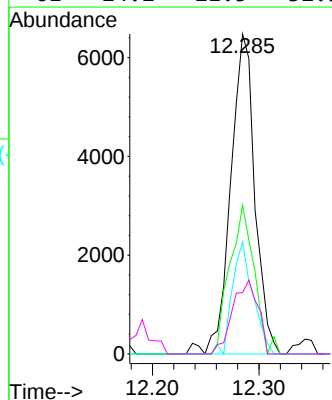
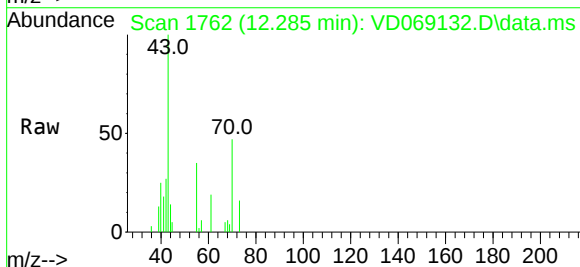
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

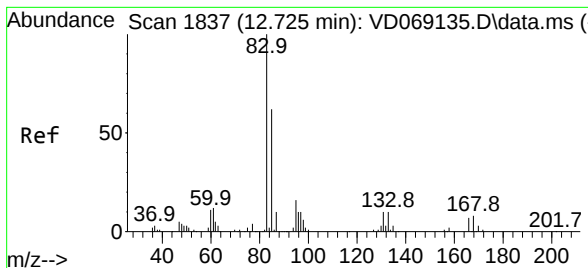
Tgt Ion:105 Resp: 59324  
Ion Ratio Lower Upper  
105 100  
120 28.0 13.4 40.2



#74  
N-ethyl acetate  
Concen: 4.16 ug/l  
RT: 12.285 min Scan# 1762  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 43 Resp: 10218  
Ion Ratio Lower Upper  
43 100  
70 47.1 41.6 62.4  
55 29.8 22.6 34.0  
61 24.2 21.5 32.3

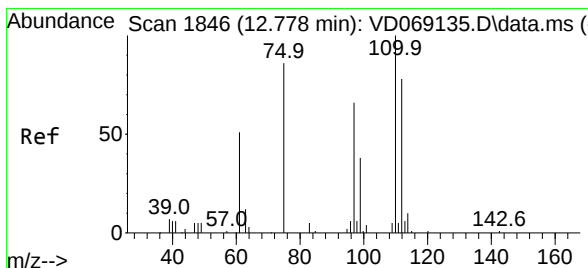
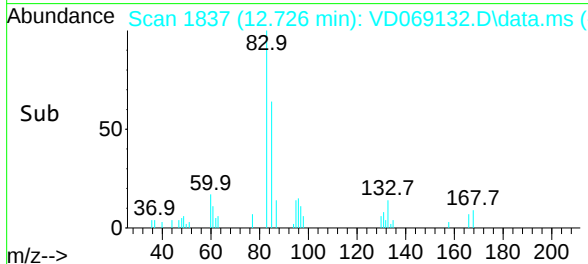
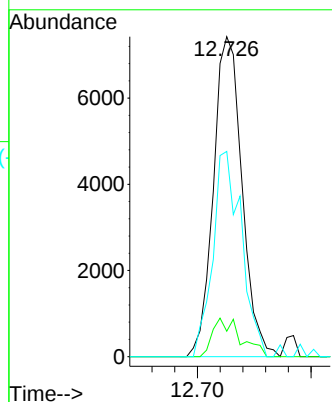
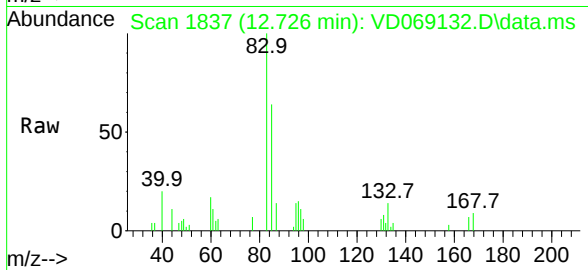




#75  
1,1,2,2-Tetrachloroethane  
Concen: 4.78 ug/l  
RT: 12.726 min Scan# 1837  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

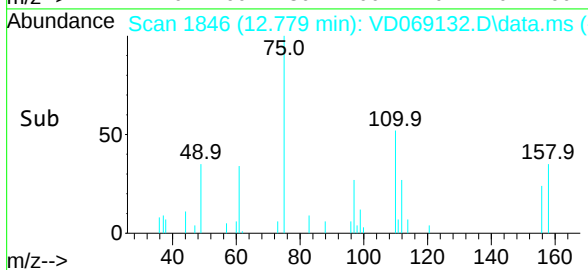
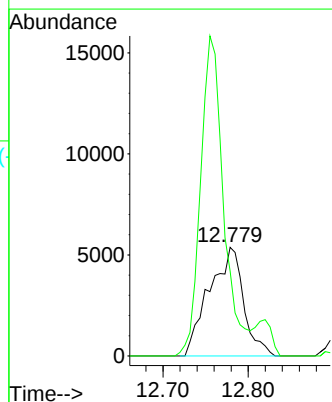
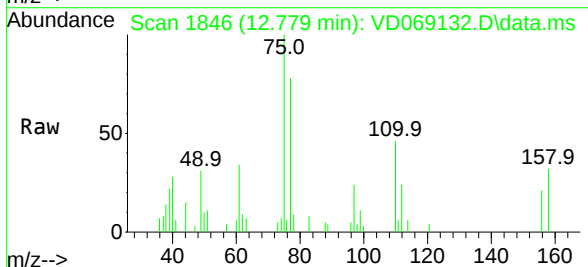
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

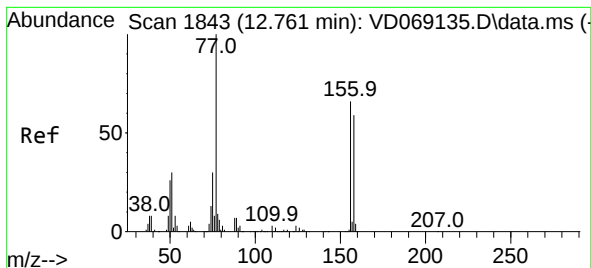
Tgt Ion: 83 Resp: 12983  
Ion Ratio Lower Upper  
83 100  
131 11.7 5.4 16.2  
85 64.2 31.9 95.5



#76  
1,2,3-Trichloropropane  
Concen: 9.35 ug/l  
RT: 12.779 min Scan# 1846  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 75 Resp: 15031  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.45 ug/l

RT: 12.755 min Scan# 1842

Delta R.T. -0.006 min

Lab File: VD069132.D

Acq: 12 May 2021 11:37

Tgt Ion: 156 Resp: 15826

Ion Ratio Lower Upper

156 100

77 188.3 85.8 257.3

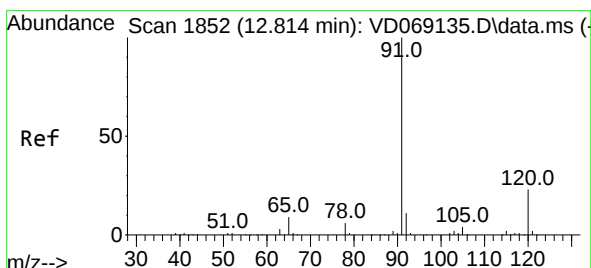
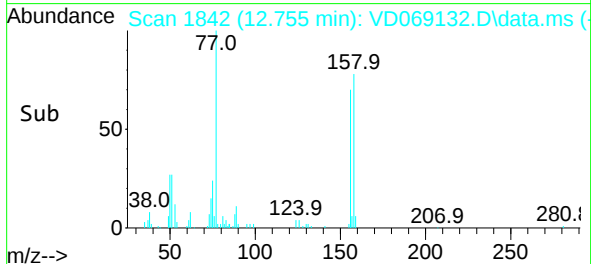
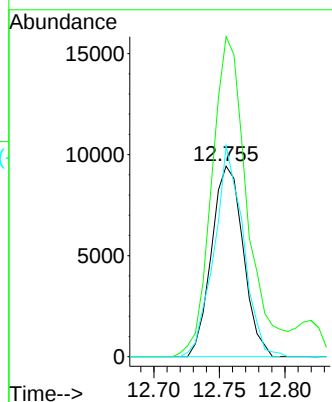
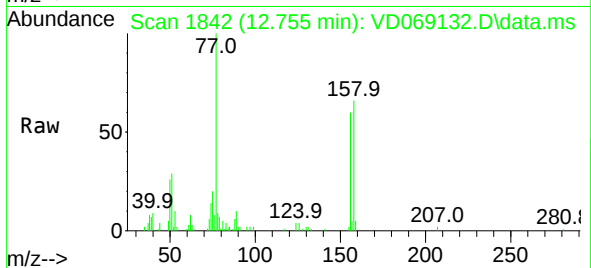
158 102.0 47.8 143.4

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005



#78

n-propylbenzene

Concen: 4.06 ug/l

RT: 12.820 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VD069132.D

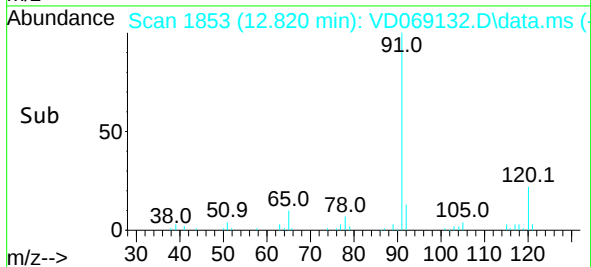
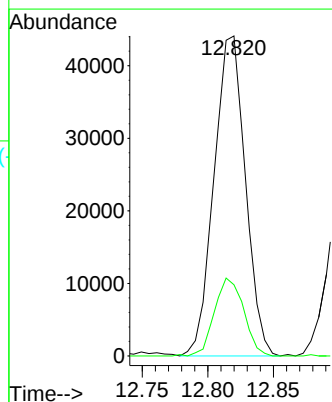
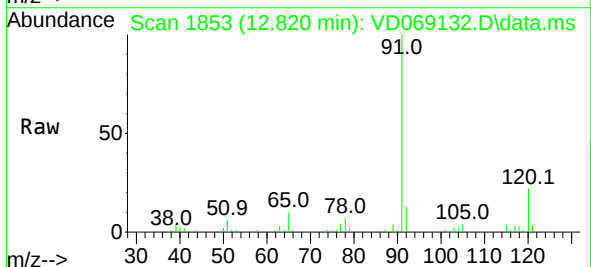
Acq: 12 May 2021 11:37

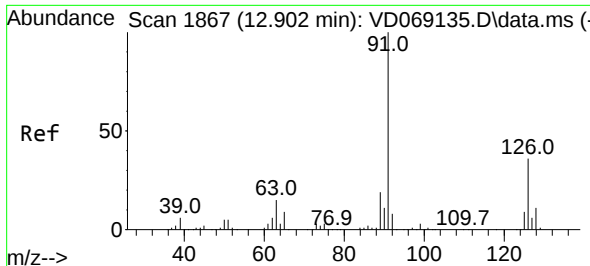
Tgt Ion: 91 Resp: 73462

Ion Ratio Lower Upper

91 100

120 22.7 11.6 34.7

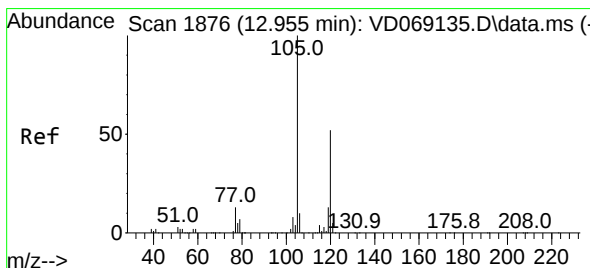
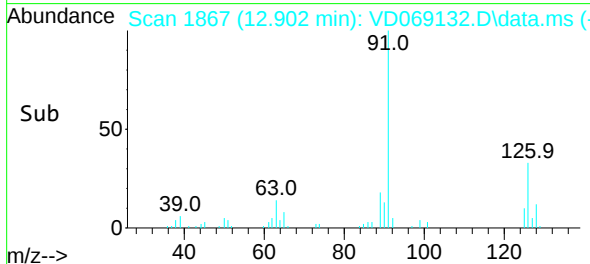
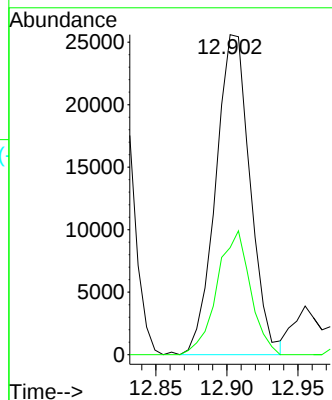
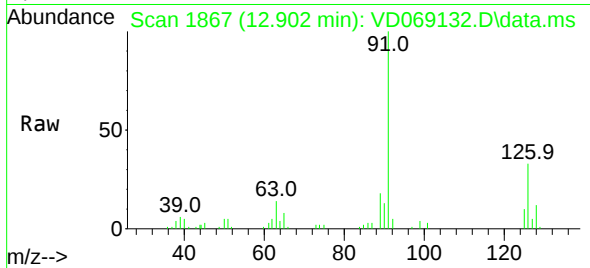




#79  
2-Chlorotoluene  
Concen: 4.29 ug/l  
RT: 12.902 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

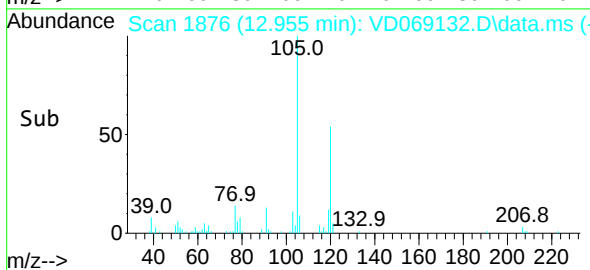
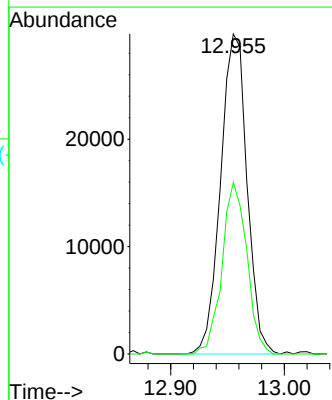
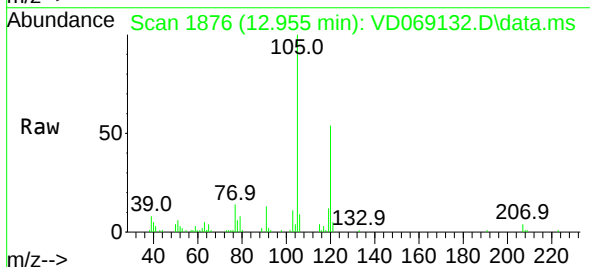
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

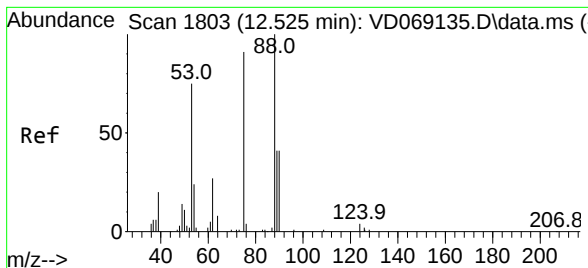
Tgt Ion: 91 Resp: 43198  
Ion Ratio Lower Upper  
91 100  
126 37.4 18.1 54.1



#80  
1,3,5-Trimethylbenzene  
Concen: 3.90 ug/l  
RT: 12.955 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 105 Resp: 48217  
Ion Ratio Lower Upper  
105 100  
120 50.3 25.3 75.8

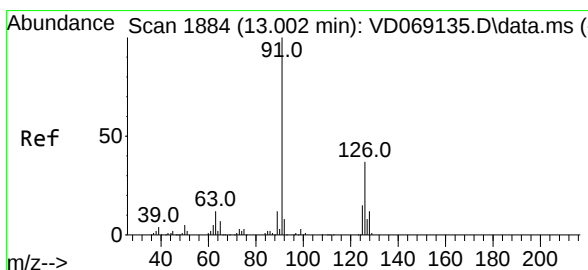
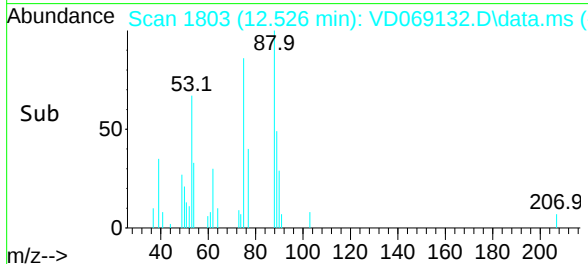
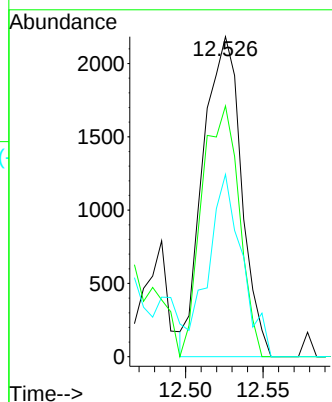
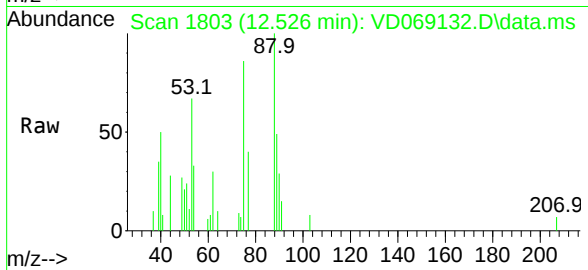




#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.68 ug/l  
RT: 12.526 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

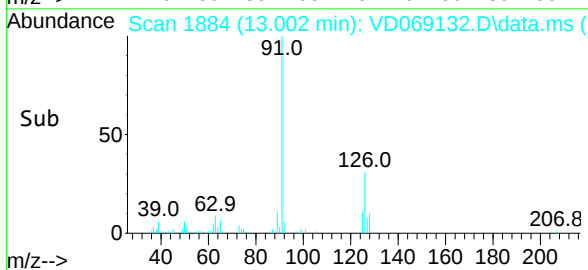
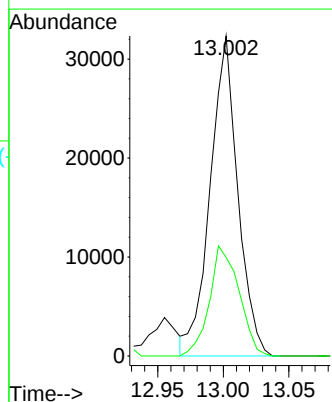
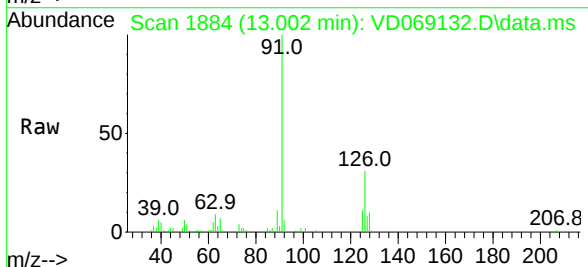
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

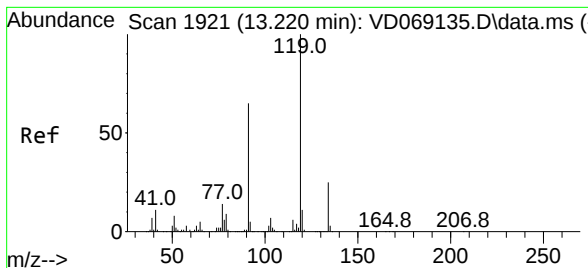
Tgt Ion: 75 Resp: 3735  
Ion Ratio Lower Upper  
75 100  
53 76.4 70.0 105.0  
89 49.3 40.2 60.2



#82  
4-Chlorotoluene  
Concen: 4.41 ug/l  
RT: 13.002 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 91 Resp: 47315  
Ion Ratio Lower Upper  
91 100  
126 36.8 17.7 53.1

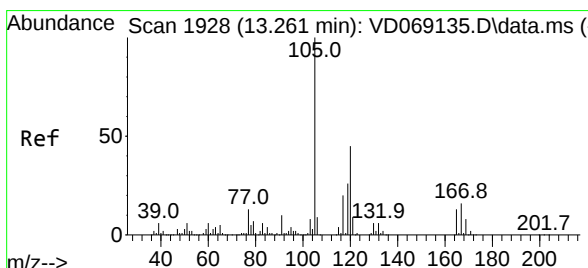
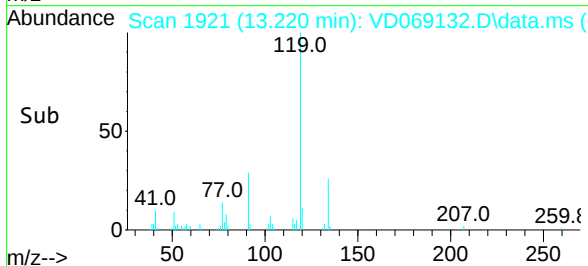
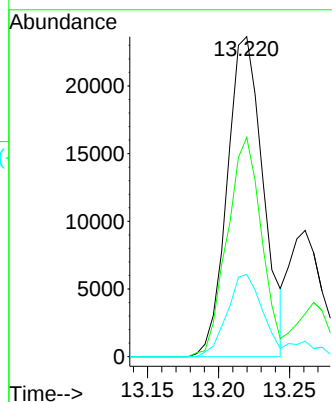
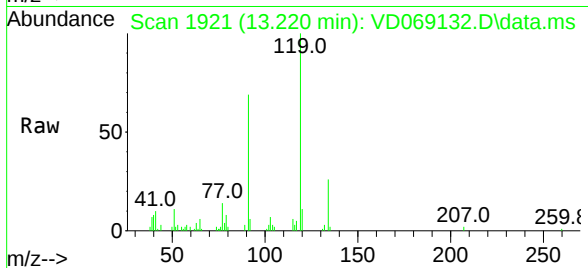




#83  
tert-Butylbenzene  
Concen: 4.04 ug/l  
RT: 13.220 min Scan# 1921  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

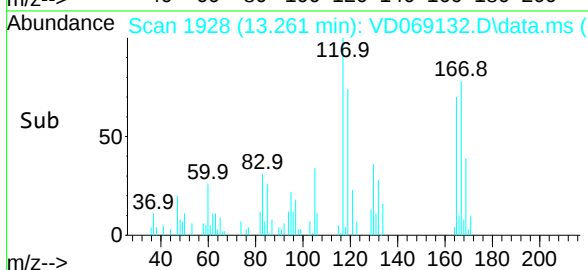
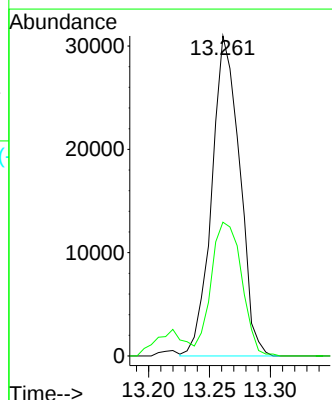
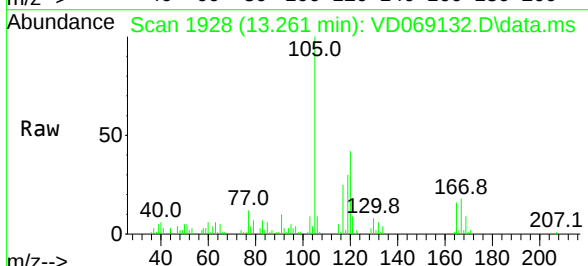
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

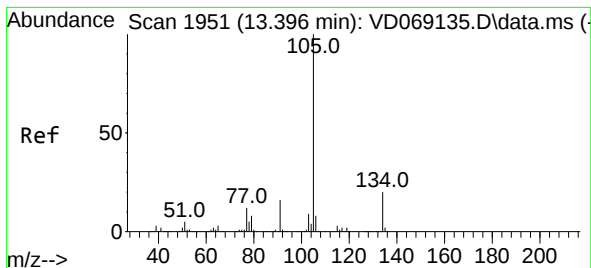
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 41646 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 66.8  | 32.5  | 97.4  |
| 134       | 26.7  | 13.8  | 41.3  |



#84  
1,2,4-Trimethylbenzene  
Concen: 3.96 ug/l  
RT: 13.261 min Scan# 1928  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 49328 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 45.8  | 22.8  | 68.4  |

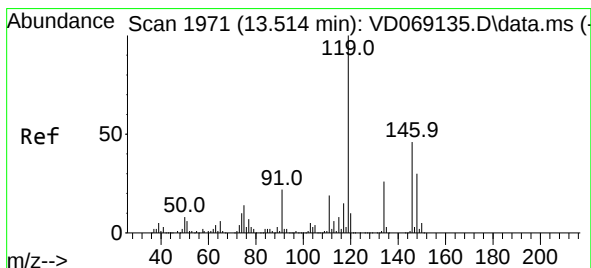
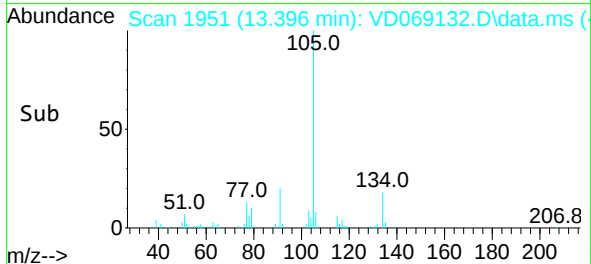
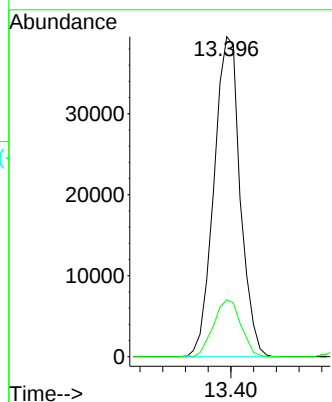
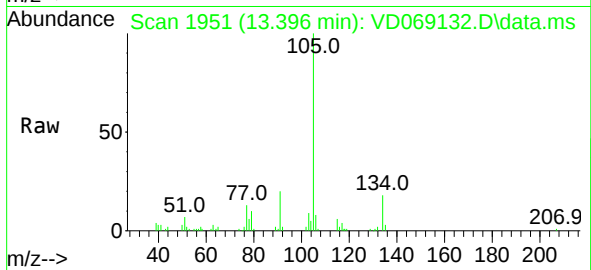




#85  
 sec-Butylbenzene  
 Concen: 4.09 ug/l  
 RT: 13.396 min Scan# 1951  
 Delta R.T. 0.000 min  
 Lab File: VD069132.D  
 Acq: 12 May 2021 11:37

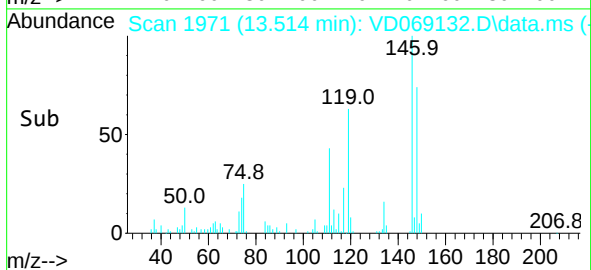
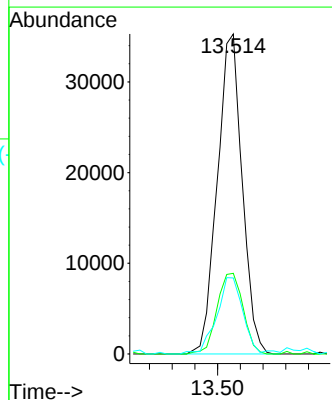
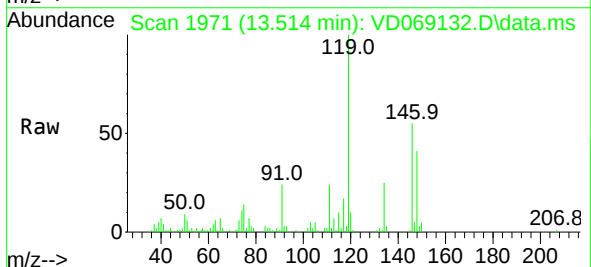
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

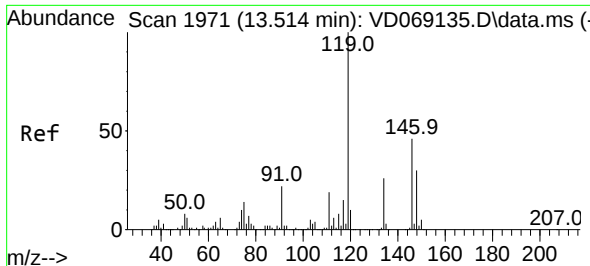
Tgt Ion:105 Resp: 63348  
 Ion Ratio Lower Upper  
 105 100  
 134 18.6 10.3 30.8



#86  
 p-Isopropyltoluene  
 Concen: 3.93 ug/l  
 RT: 13.514 min Scan# 1971  
 Delta R.T. 0.000 min  
 Lab File: VD069132.D  
 Acq: 12 May 2021 11:37

Tgt Ion:119 Resp: 53565  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 13.2 39.5  
 91 25.2 11.3 33.9

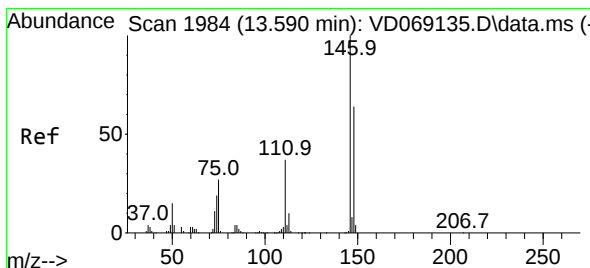
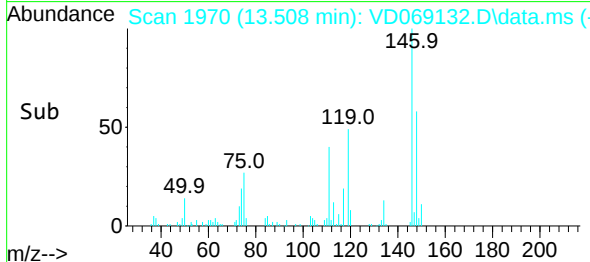
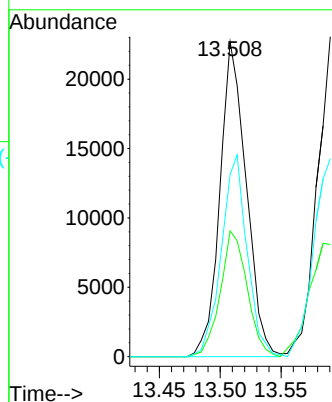
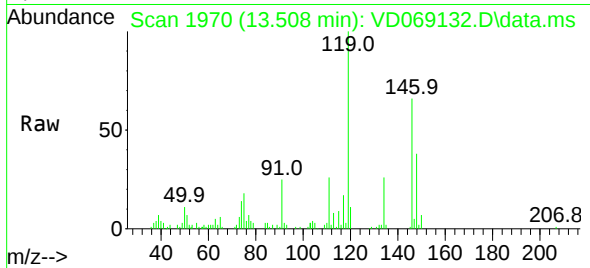




#87  
1,3-Dichlorobenzene  
Concen: 4.73 ug/l  
RT: 13.508 min Scan# 1970  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

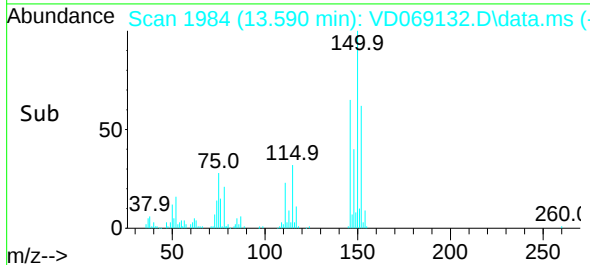
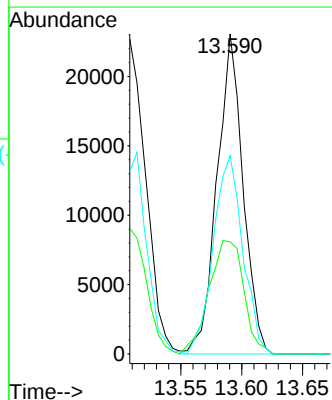
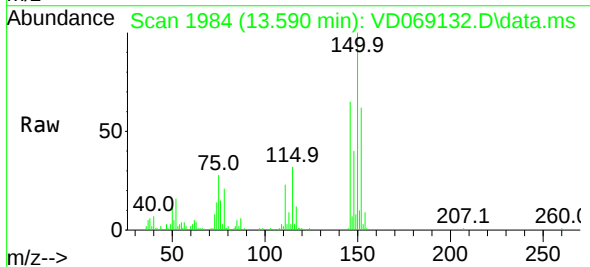
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

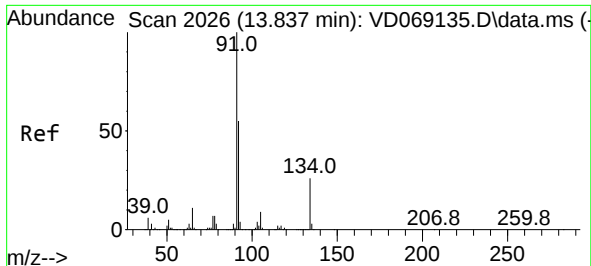
Tgt Ion:146 Resp: 34075  
Ion Ratio Lower Upper  
146 100  
111 40.8 19.9 59.6  
148 63.0 31.6 94.8



#88  
1,4-Dichlorobenzene  
Concen: 4.81 ug/l  
RT: 13.590 min Scan# 1984  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion:146 Resp: 34291  
Ion Ratio Lower Upper  
146 100  
111 47.3 19.4 58.2  
148 70.1 32.4 97.0

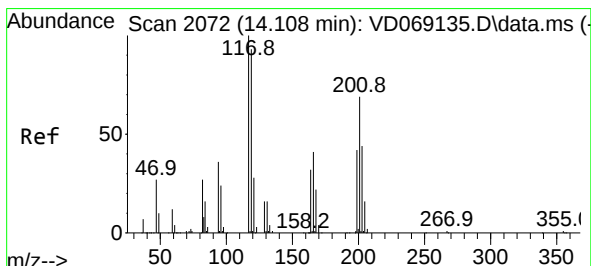
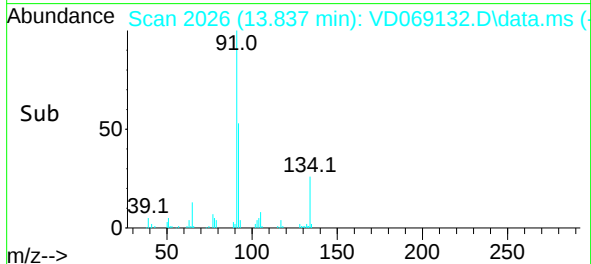
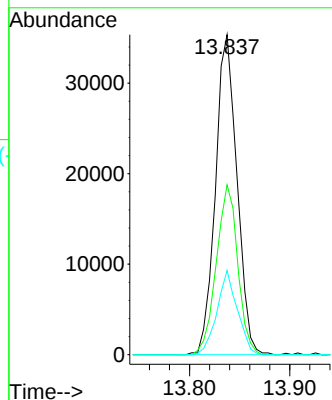
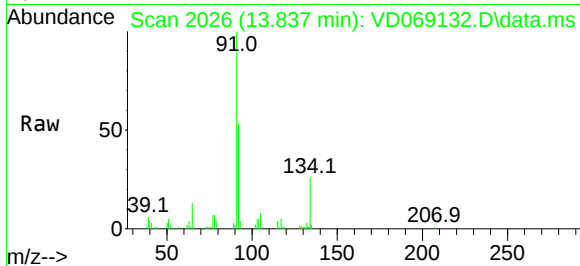




#89  
n-Butylbenzene  
Concen: 4.15 ug/l  
RT: 13.837 min Scan# 2026  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

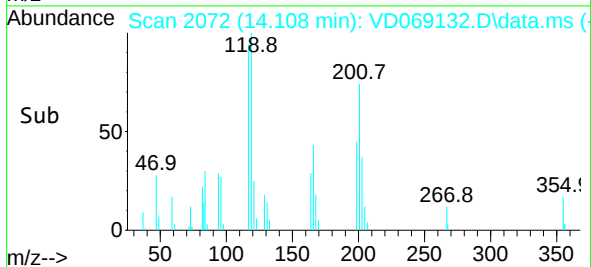
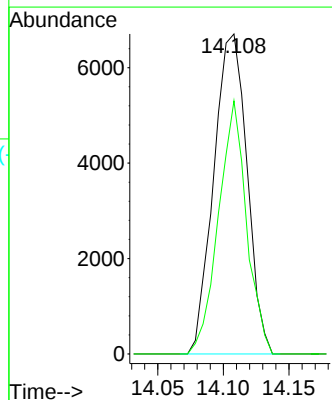
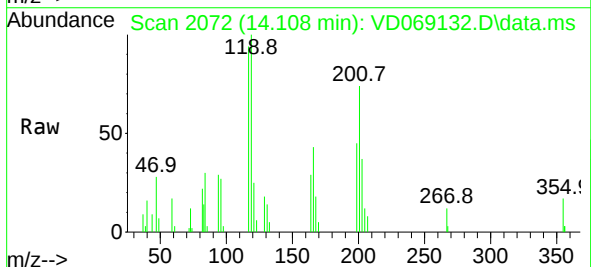
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

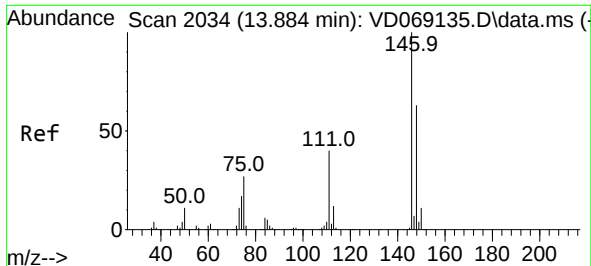
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 52633 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 52.8  | 26.5  | 79.5  |
| 134      | 25.0  | 13.0  | 39.0  |



#90  
Hexachloroethane  
Concen: 4.63 ug/l  
RT: 14.108 min Scan# 2072  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 11828 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 66.8  | 35.4  | 106.1 |

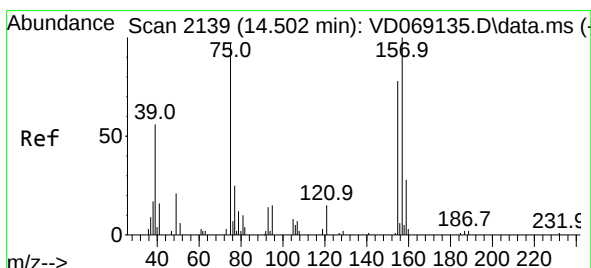
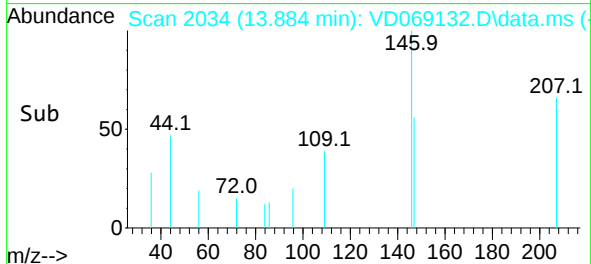
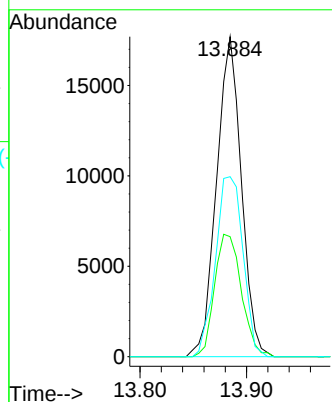
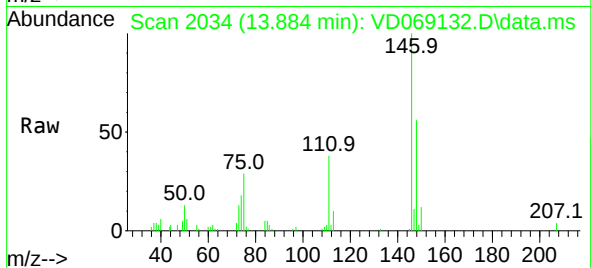




#91  
1,2-Dichlorobenzene  
Concen: 4.63 ug/l  
RT: 13.884 min Scan# 2034  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

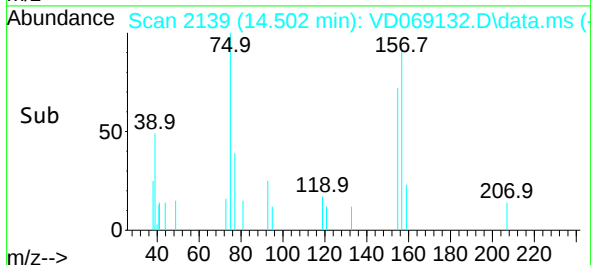
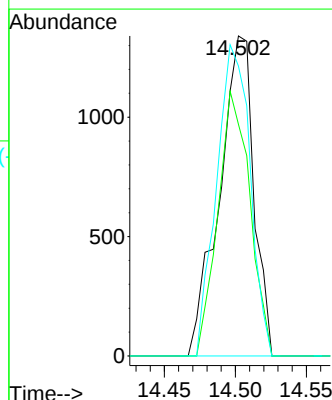
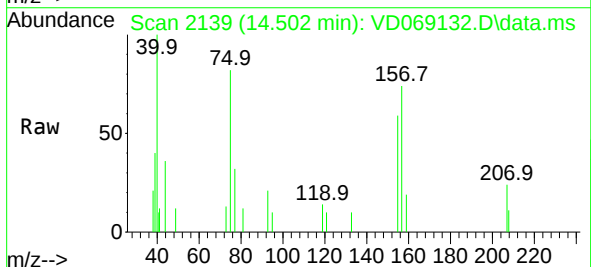
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

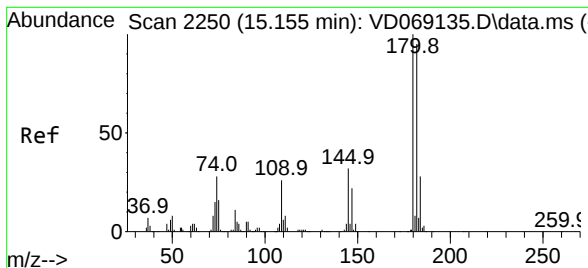
Tgt Ion:146 Resp: 28647  
Ion Ratio Lower Upper  
146 100  
111 41.2 20.3 61.0  
148 62.3 31.3 93.8



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 5.36 ug/l  
RT: 14.502 min Scan# 2139  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion: 75 Resp: 2261  
Ion Ratio Lower Upper  
75 100  
155 76.7 43.9 131.7  
157 94.5 54.9 164.7

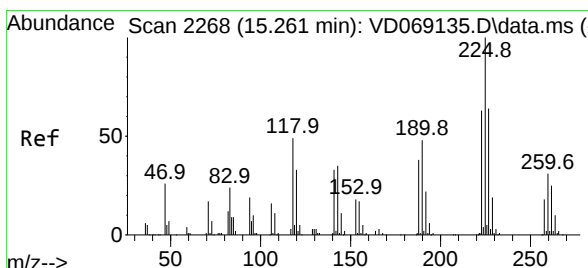
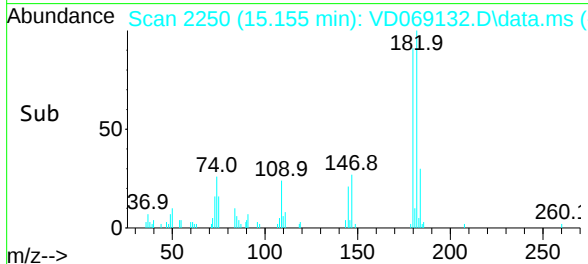
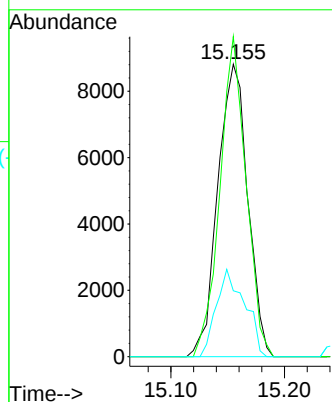
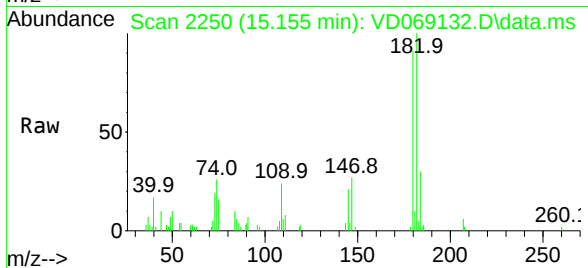




#93  
1,2,4-Trichlorobenzene  
Concen: 4.25 ug/l  
RT: 15.155 min Scan# 2250  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

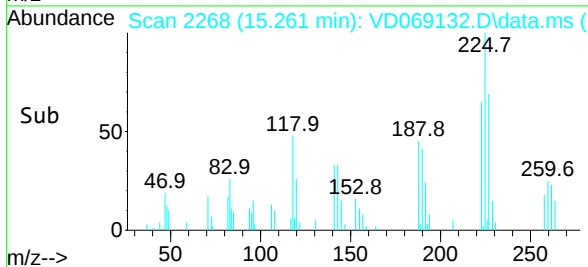
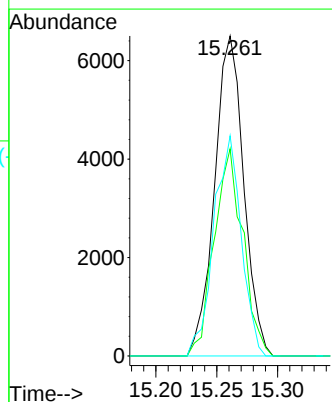
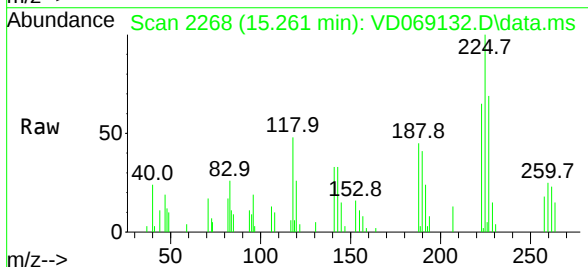
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

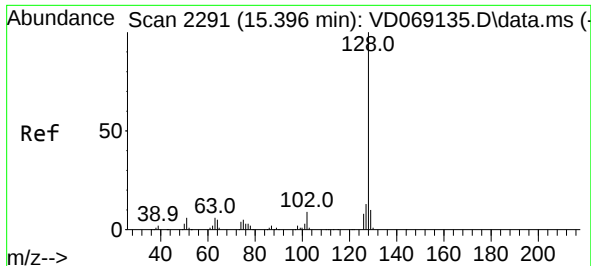
Tgt Ion:180 Resp: 16117  
Ion Ratio Lower Upper  
180 100  
182 96.0 47.8 143.3  
145 28.5 15.6 46.8



#94  
Hexachlorobutadiene  
Concen: 4.77 ug/l  
RT: 15.261 min Scan# 2268  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion:225 Resp: 10850  
Ion Ratio Lower Upper  
225 100  
223 63.9 31.1 93.5  
227 64.7 31.6 95.0

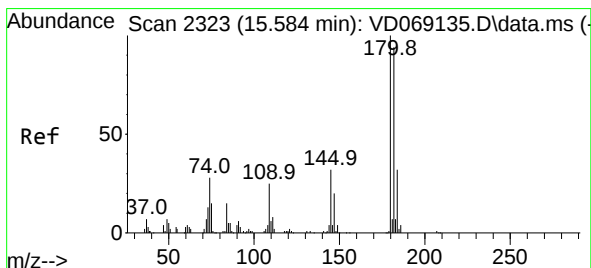
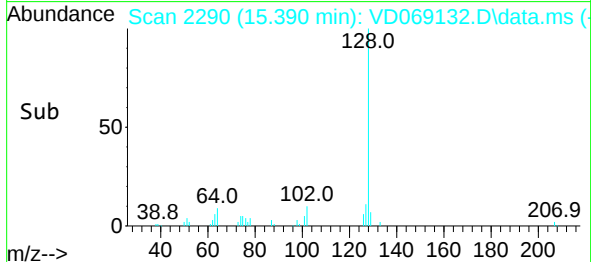
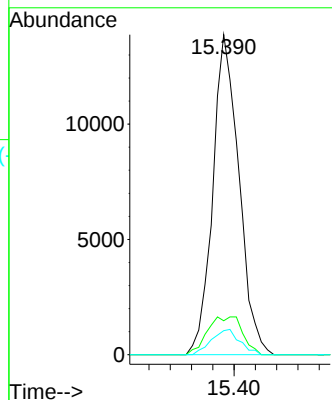
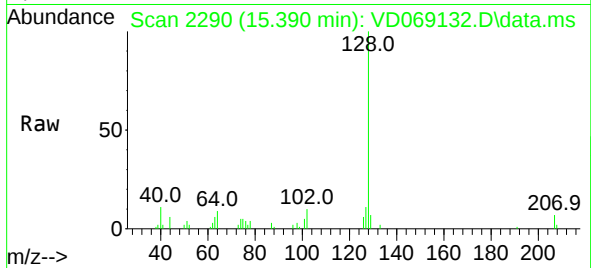




#95  
Naphthalene  
Concen: 3.72 ug/l  
RT: 15.390 min Scan# 2290  
Delta R.T. -0.006 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

Tgt Ion:128 Resp: 23634  
Ion Ratio Lower Upper  
128 100  
127 16.0 10.5 15.7#  
129 8.5 8.9 13.3#



#96  
1,2,3-Trichlorobenzene  
Concen: 4.12 ug/l  
RT: 15.584 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VD069132.D  
Acq: 12 May 2021 11:37

Tgt Ion:180 Resp: 13371  
Ion Ratio Lower Upper  
180 100  
182 98.0 47.8 143.4  
145 35.4 16.1 48.3

