

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032621\  
 Data File : VD068688.D  
 Acq On : 26 Mar 2021 17:01  
 Operator : VA/SY  
 Sample : M1821-03  
 Misc : 5.02G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EL-511-STREET-LEVEL

Quant Time: Mar 27 00:45:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 20 02:00:55 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.985  | 168  | 298404   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.867  | 114  | 575566   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.644 | 117  | 566581   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 279368   | 50.00 | ug/l  | 0.00     |

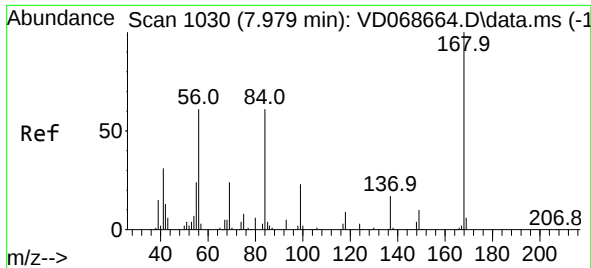
|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 163653   | 54.39    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 108.78% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 191130   | 53.37    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 106.74% |
| 50) Toluene-d8              | 10.344 | 98    | 762254   | 55.21    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 110.42% |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 257641   | 57.56    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 115.12% |

| Target Compounds              |        |     |        |           |        | Qvalue |
|-------------------------------|--------|-----|--------|-----------|--------|--------|
| 10) Methyl Iodide             | 4.315  | 142 | 54     | 3.48      | ug/l # | 41     |
| 16) Acetone                   | 4.167  | 43  | 12059  | 33.03     | ug/l # | 80     |
| 20) Methylene Chloride        | 4.973  | 84  | 16551  | Below Cal | #      | 85     |
| 31) Cyclohexane               | 7.985  | 56  | 6267   | 1.29      | ug/l # | 7      |
| 36) 1,1-Dichloropropene       | 7.979  | 75  | 23414  | 4.55      | ug/l # | 49     |
| 38) Carbon Tetrachloride      | 7.985  | 117 | 29927  | 5.83      | ug/l # | 15     |
| 51) 4-Methyl-2-Pentanone      | 10.338 | 43  | 2643   | 1.63      | ug/l # | 1      |
| 71) Bromoform                 | 12.632 | 173 | 2277   | 1.08      | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane    | 12.632 | 75  | 126217 | 54.28     | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.632 | 75  | 126217 | 123.50    | ug/l # | 16     |

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

Quant Time: Mar 27 00:45:01 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031921S.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 20 02:00:55 2021  
Response via : Initial Calibration

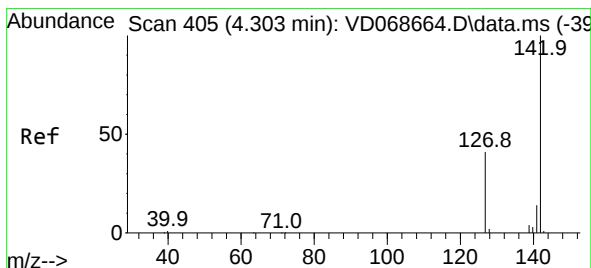
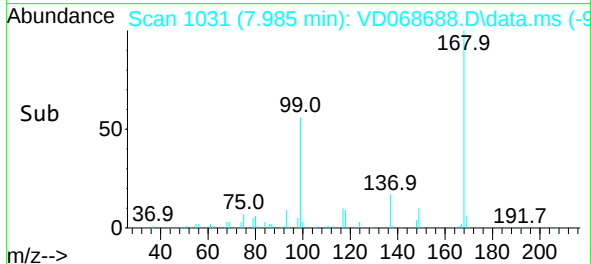
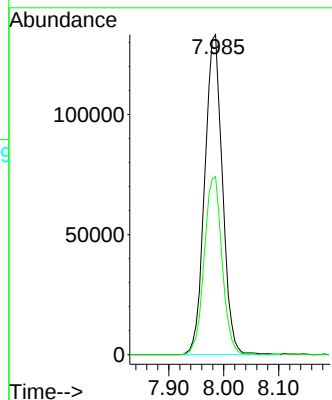
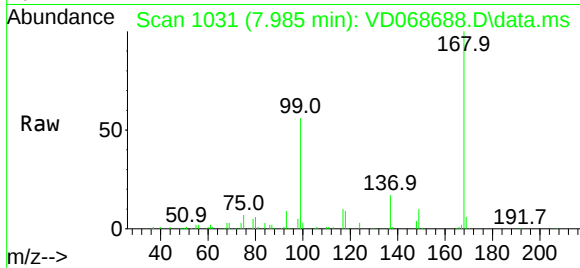




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.006 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

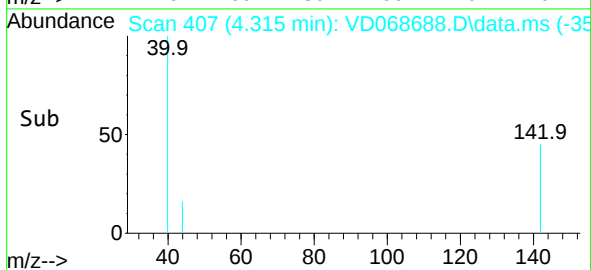
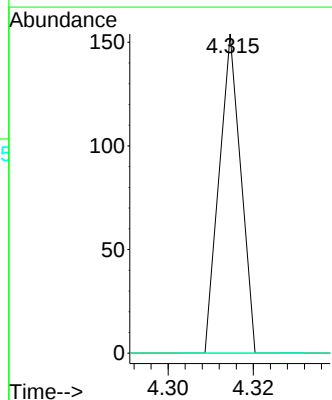
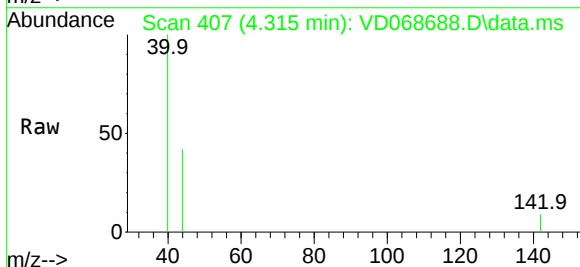
Instrument :  
MSVOA\_D  
ClientSampleId :  
EL-511-STREET-LEVEL

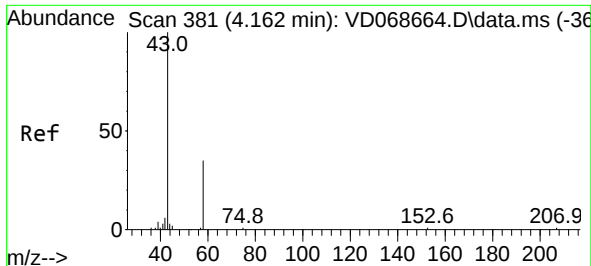
Tgt Ion:168 Resp: 298404  
Ion Ratio Lower Upper  
168 100  
99 55.7 46.2 69.2



#10  
Methyl Iodide  
Concen: 3.48 ug/l  
RT: 4.315 min Scan# 407  
Delta R.T. 0.012 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

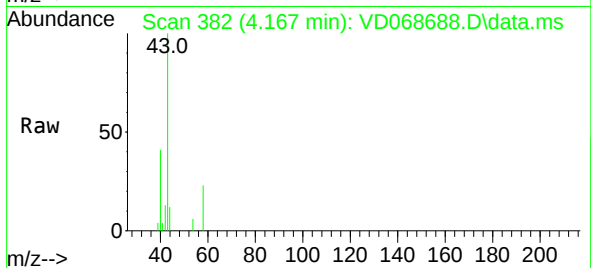
Tgt Ion:142 Resp: 54  
Ion Ratio Lower Upper  
142 100  
127 0.0 34.7 52.1#  
141 0.0 11.0 16.4#



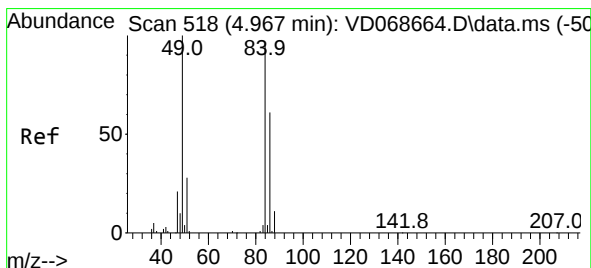
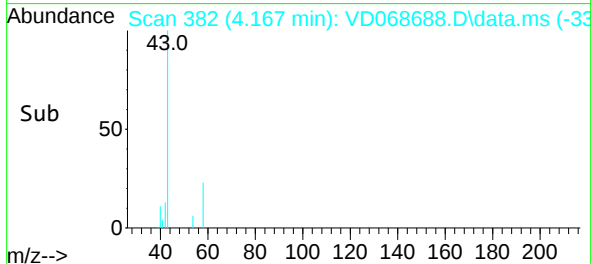
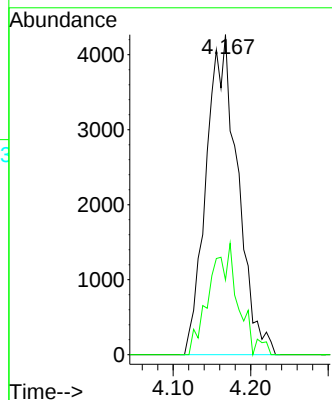


#16  
Acetone  
Concen: 33.03 ug/l  
RT: 4.167 min Scan# 382  
Delta R.T. 0.006 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
EL-511-STREET-LEVEL

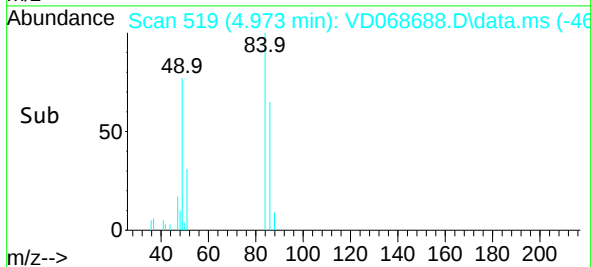
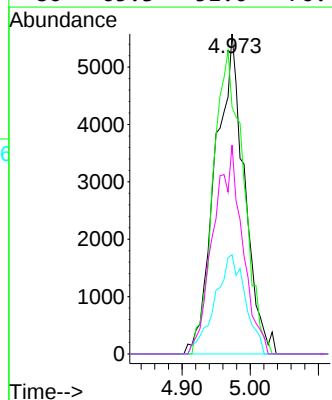
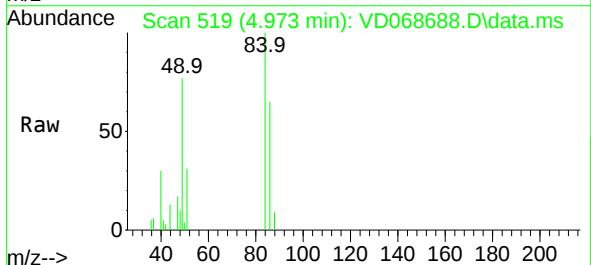


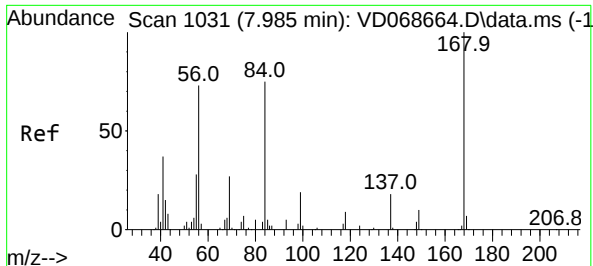
Tgt Ion: 43 Resp: 12059  
Ion Ratio Lower Upper  
43 100  
58 23.4 28.0 42.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.973 min Scan# 519  
Delta R.T. 0.006 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

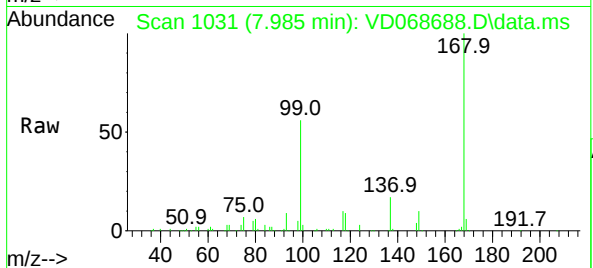
Tgt Ion: 84 Resp: 16551  
Ion Ratio Lower Upper  
84 100  
49 77.2 83.4 125.0#  
51 31.0 23.4 35.2  
86 65.3 51.0 76.4



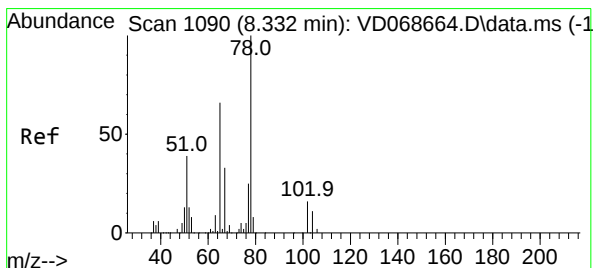
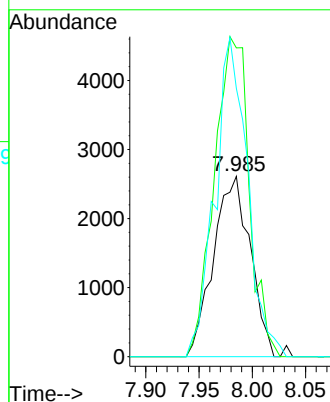
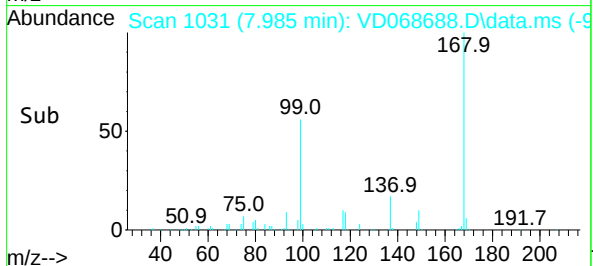


#31  
Cyclohexane  
Concen: 1.29 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

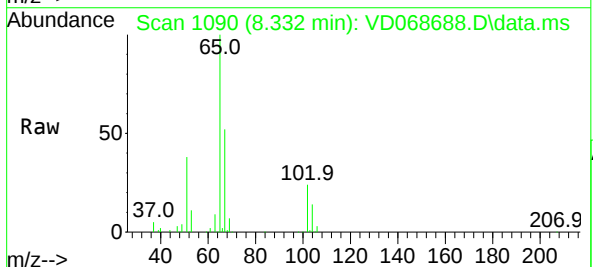
Instrument :  
MSVOA\_D  
ClientSampleId :  
EL-511-STREET-LEVEL



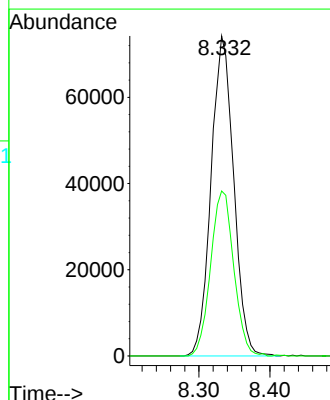
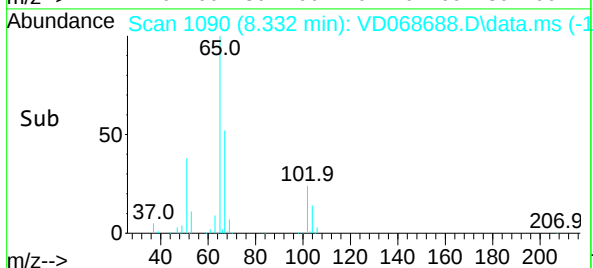
Tgt Ion: 56 Resp: 6267  
Ion Ratio Lower Upper  
56 100  
69 171.2 30.0 45.0#  
84 148.8 82.0 123.0#

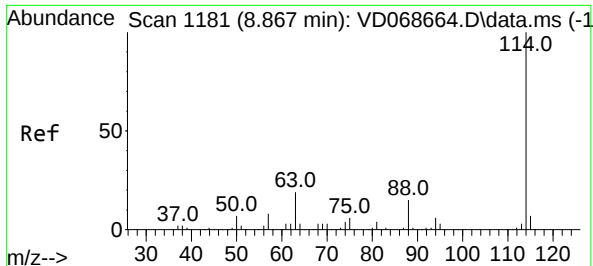


#33  
1,2-Dichloroethane-d4  
Concen: 54.39 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01



Tgt Ion: 65 Resp: 163653  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 106.0

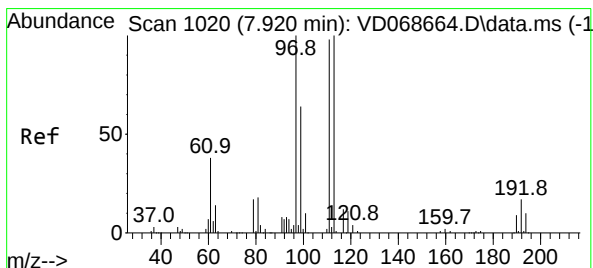
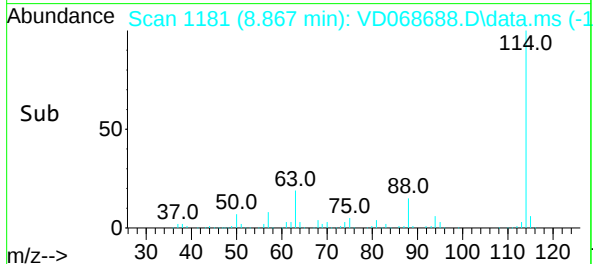
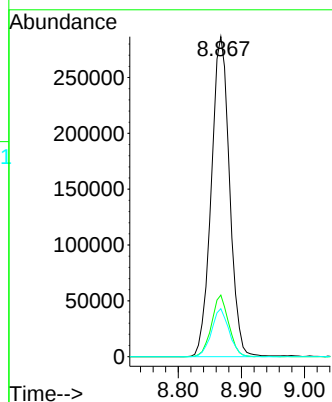
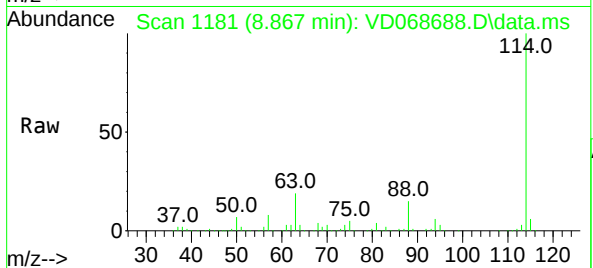




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

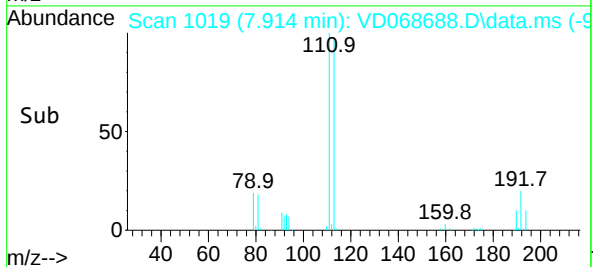
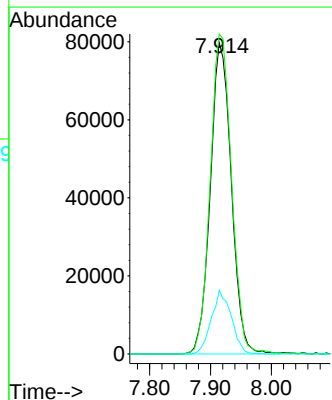
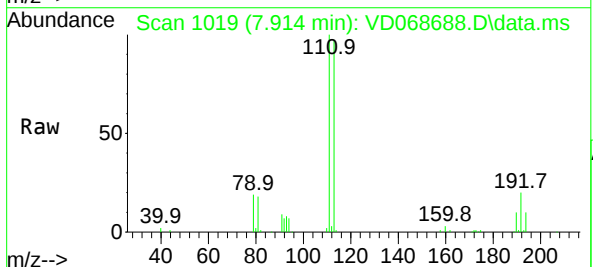
Instrument :  
MSVOA\_D  
ClientSampleId :  
EL-511-STREET-LEVEL

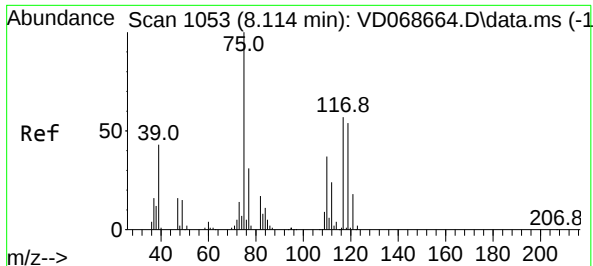
Tgt Ion:114 Resp: 575566  
Ion Ratio Lower Upper  
114 100  
63 19.3 0.0 38.2  
88 15.0 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 53.37 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

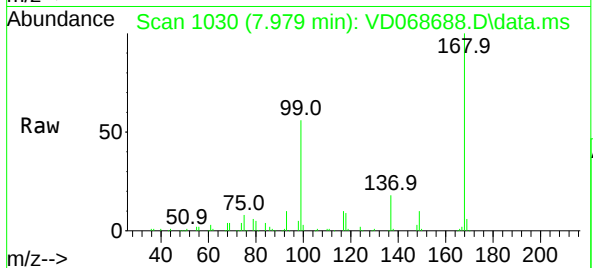
Tgt Ion:113 Resp: 191130  
Ion Ratio Lower Upper  
113 100  
111 104.6 82.5 123.7  
192 19.4 15.1 22.7



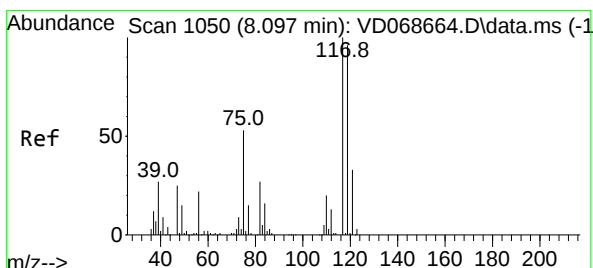
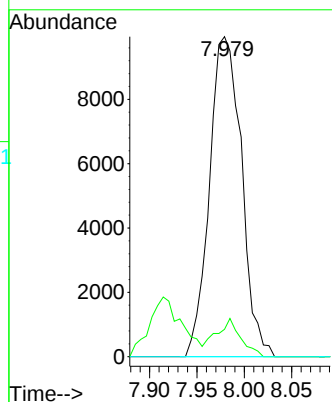
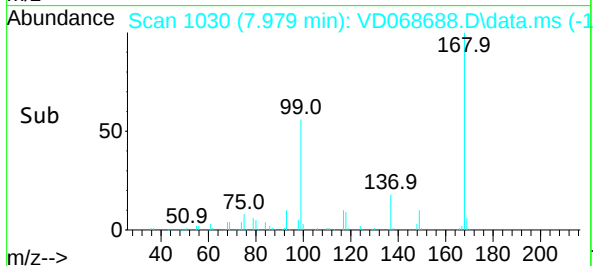


#36  
1,1-Dichloropropene  
Concen: 4.55 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.135 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

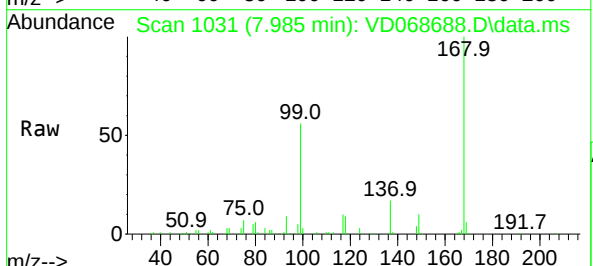
Instrument :  
MSVOA\_D  
ClientSampleId :  
EL-511-STREET-LEVEL



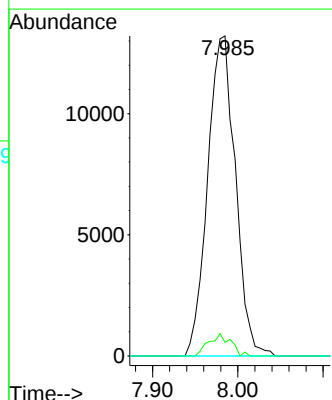
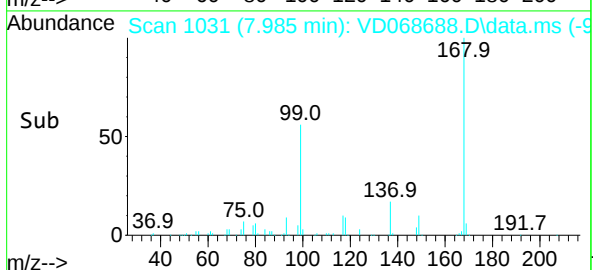
Tgt Ion: 75 Resp: 23414  
Ion Ratio Lower Upper  
75 100  
110 9.3 18.1 54.4#  
77 0.0 24.7 37.1#

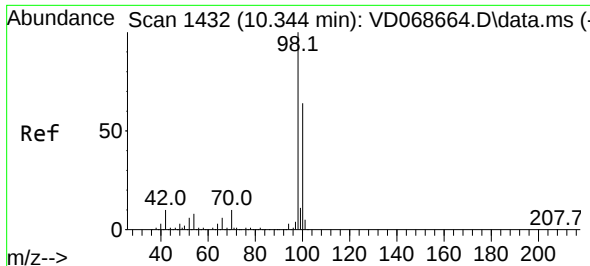


#38  
Carbon Tetrachloride  
Concen: 5.83 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.112 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01



Tgt Ion: 117 Resp: 29927  
Ion Ratio Lower Upper  
117 100  
119 4.3 76.6 115.0#  
121 0.0 26.1 39.1#

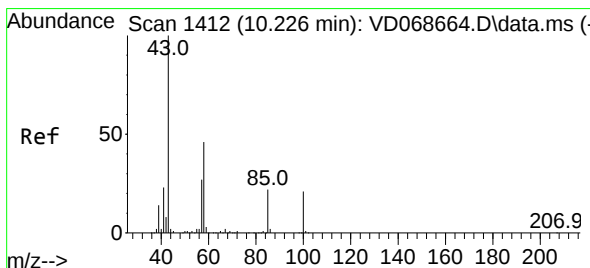
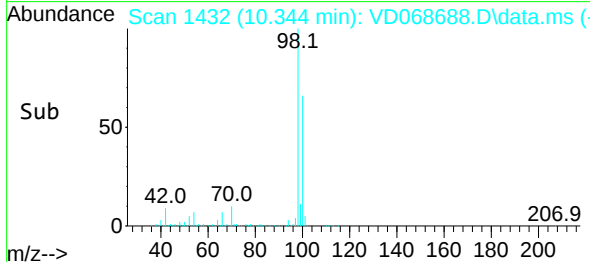
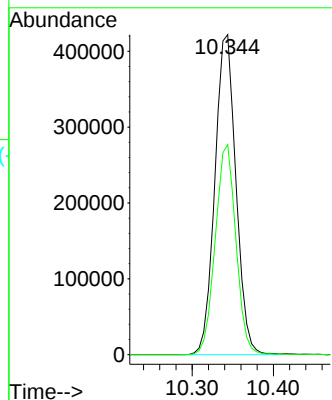
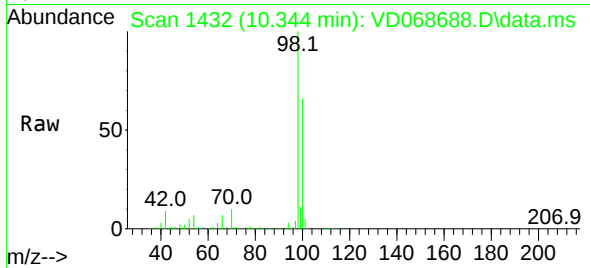




#50  
Toluene-d8  
Concen: 55.21 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

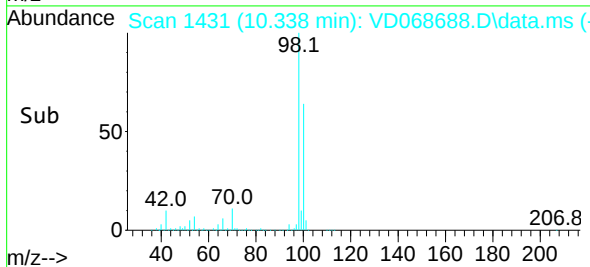
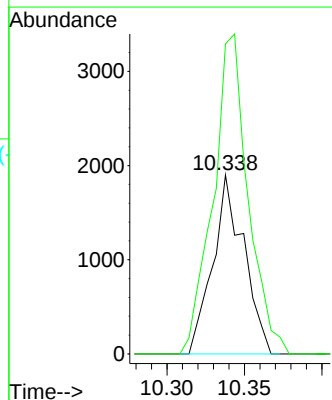
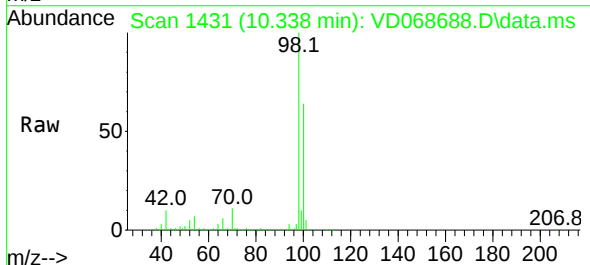
Instrument :  
MSVOA\_D  
ClientSampleId :  
EL-511-STREET-LEVEL

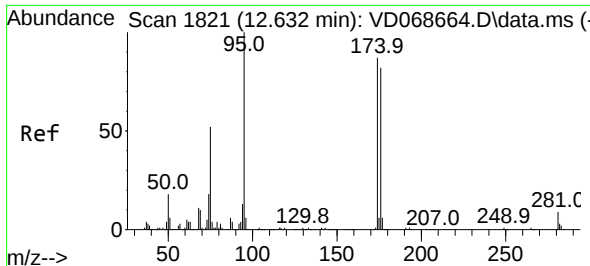
Tgt Ion: 98 Resp: 762254  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 1.63 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.112 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

Tgt Ion: 43 Resp: 2643  
Ion Ratio Lower Upper  
43 100  
58 201.9 37.3 55.9#

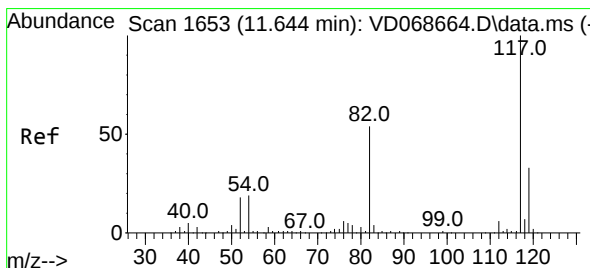
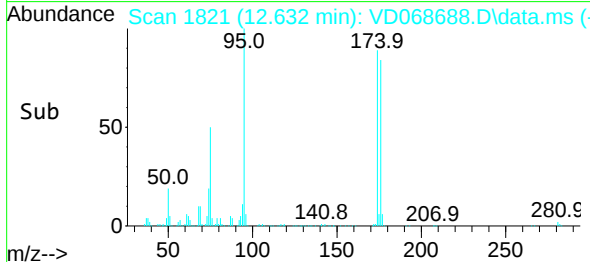
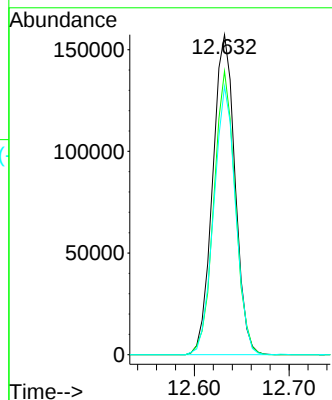
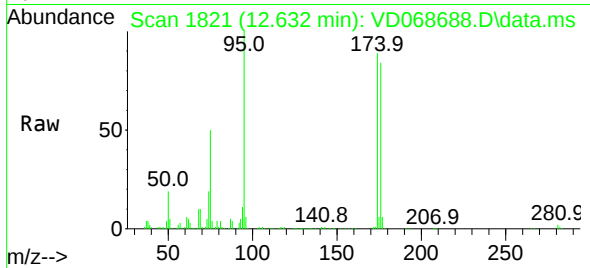




#62  
4-Bromofluorobenzene  
Concen: 57.56 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.000 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

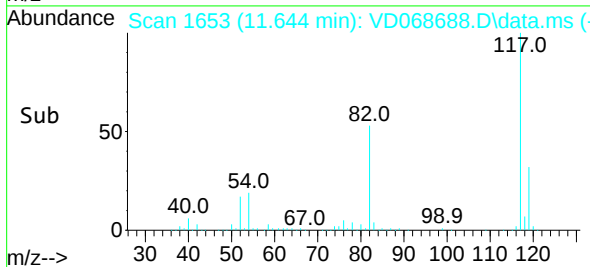
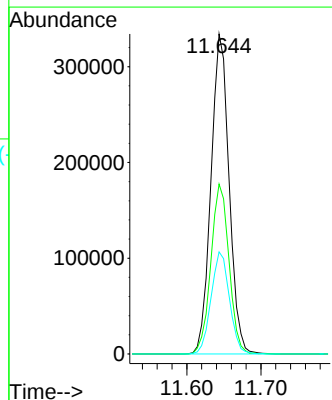
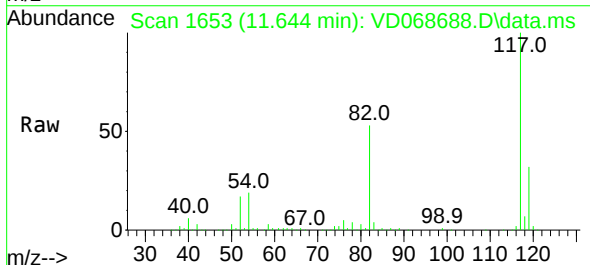
Instrument :  
MSVOA\_D  
ClientSampleId :  
EL-511-STREET-LEVEL

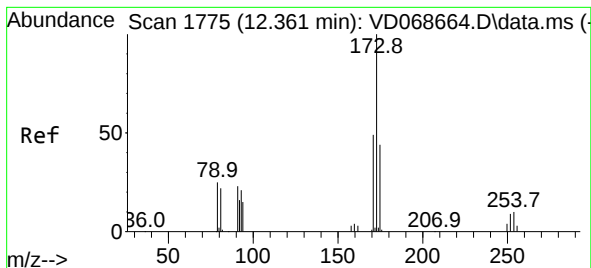
Tgt Ion: 95 Resp: 257641  
Ion Ratio Lower Upper  
95 100  
174 84.9 0.0 168.0  
176 81.9 0.0 160.2



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. -0.000 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

Tgt Ion: 117 Resp: 566581  
Ion Ratio Lower Upper  
117 100  
82 53.1 43.5 65.3  
119 31.9 26.7 40.1





#71

Bromoform

Concen: 1.08 ug/l

RT: 12.632 min Scan# 1821

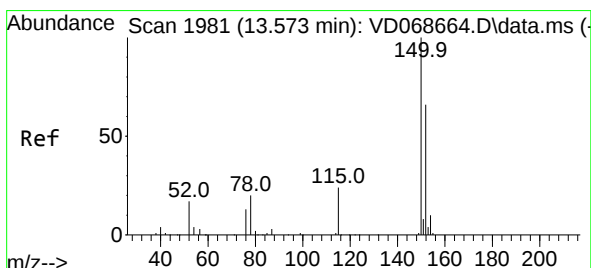
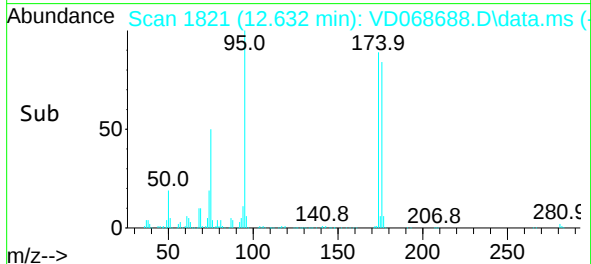
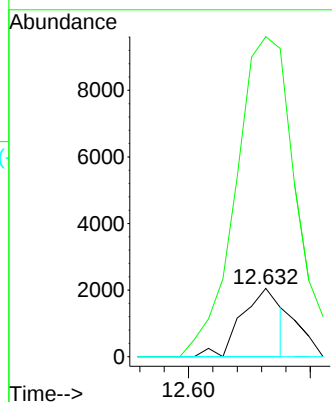
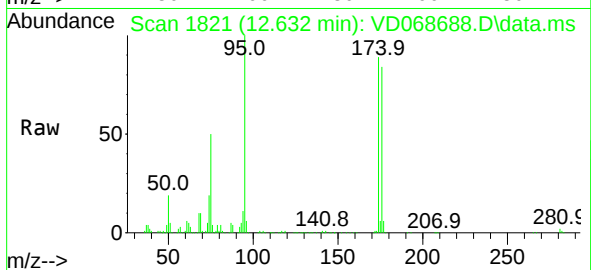
Delta R.T. 0.271 min

Lab File: VD068688.D

Acq: 26 Mar 2021 17:01

Tgt Ion:173 Resp: 2277

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 577.1 | 23.6  | 71.0# |
| 254 | 0.0   | 0.0   | 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.573 min Scan# 1981

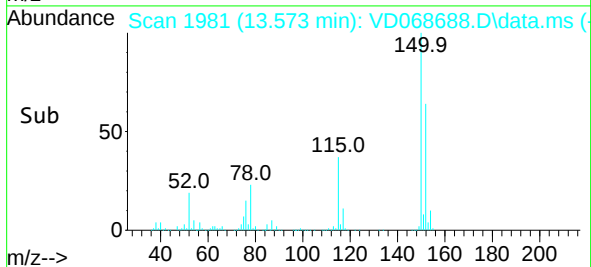
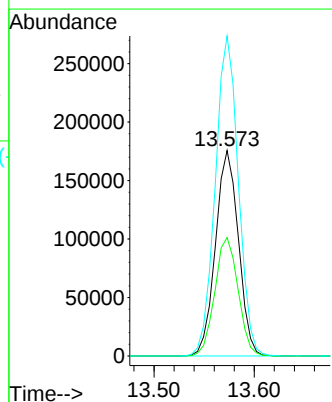
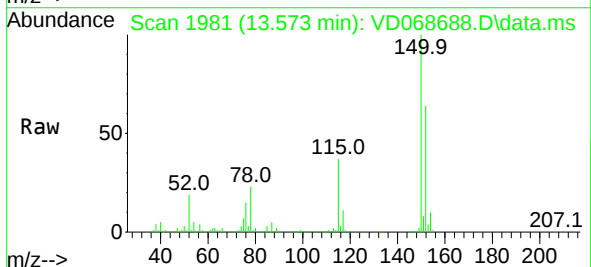
Delta R.T. -0.000 min

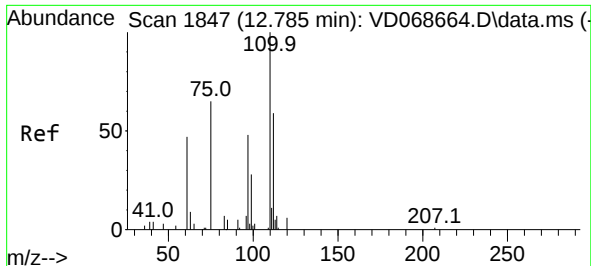
Lab File: VD068688.D

Acq: 26 Mar 2021 17:01

Tgt Ion:152 Resp: 279368

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 58.4  | 29.3  | 87.8  |
| 150 | 156.5 | 0.0   | 347.6 |

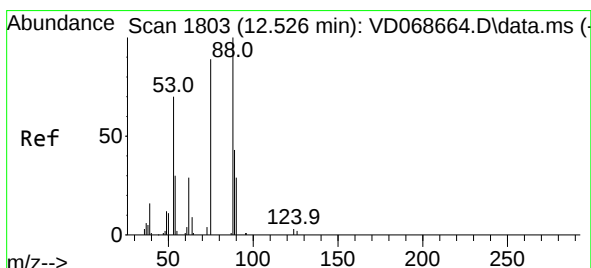
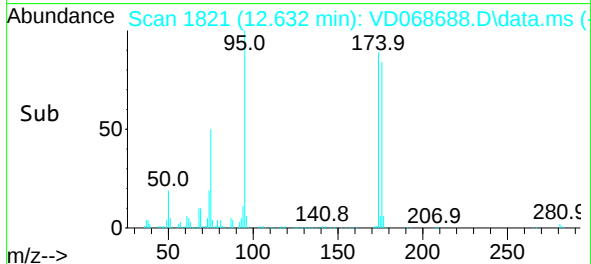
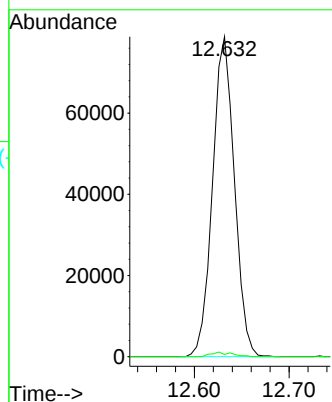
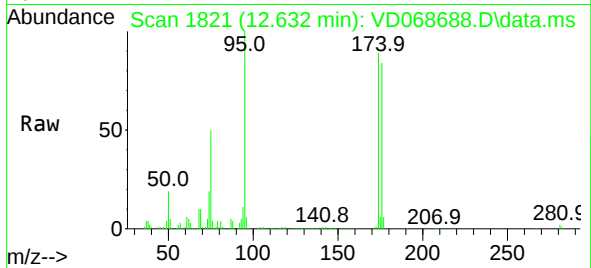




#76  
1,2,3-Trichloropropane  
Concen: 54.28 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.153 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
EL-511-STREET-LEVEL

Tgt Ion: 75 Resp: 126217  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 123.50 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.106 min  
Lab File: VD068688.D  
Acq: 26 Mar 2021 17:01

Tgt Ion: 75 Resp: 126217  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 36.6 54.8#

