

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080421\  
 Data File : VD069978.D  
 Acq On : 04 Aug 2021 11:29  
 Operator : VA/SY  
 Sample : VD0804SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 05 03:08:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 04:51:13 2021  
 Response via : Initial Calibration

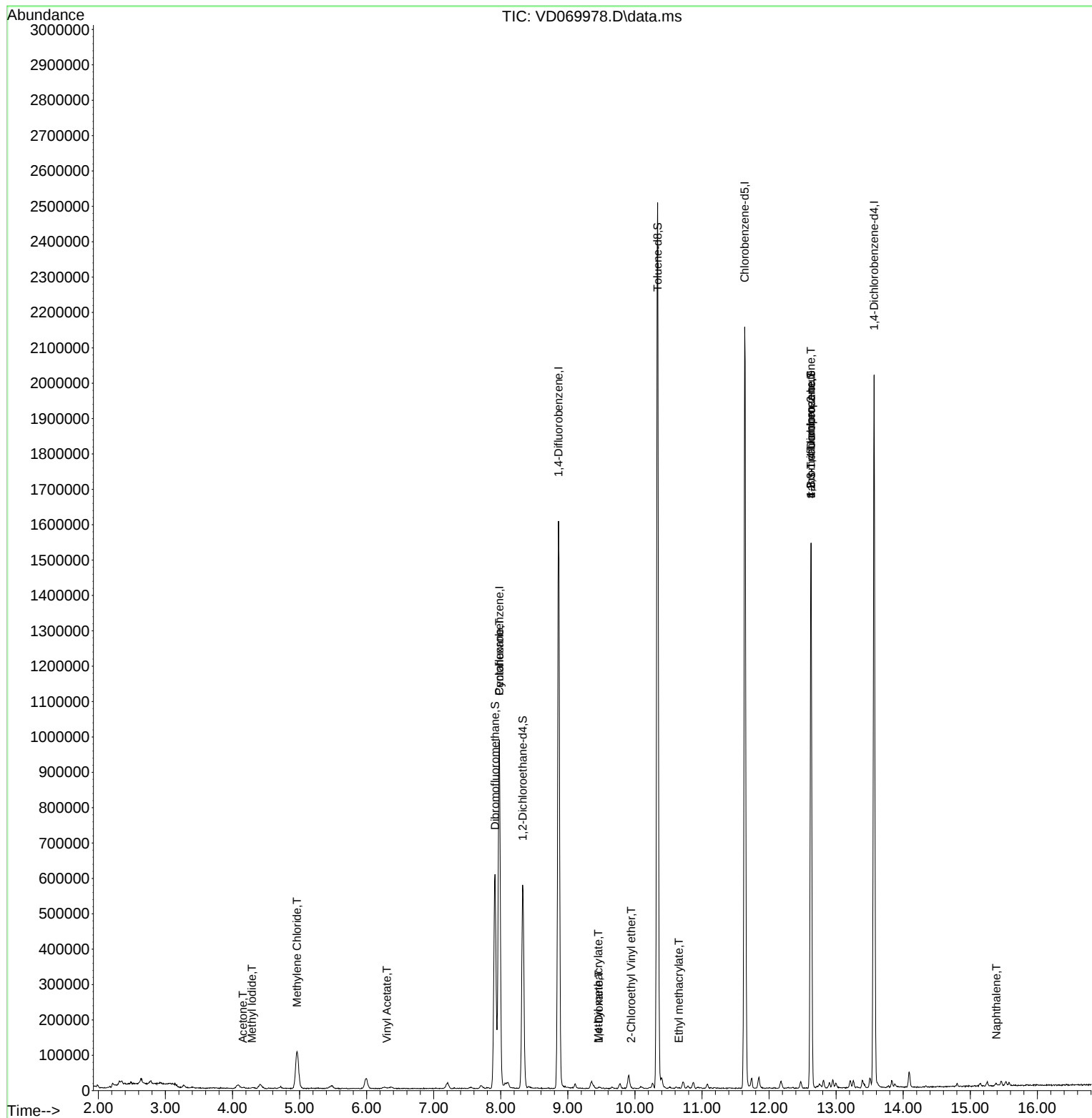
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 688606              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 1370519             | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 1242301             | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567         | 152  | 509520              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 448162              | 56.589    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 113.180% |           |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 439764              | 50.900    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 101.800% |           |        |          |
| 50) Toluene-d8                | 10.338         | 98   | 1753790             | 52.644    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 105.280% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.626         | 95   | 526772              | 47.313    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 94.620%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 5) Bromomethane               | 2.779          | 94   | 7232                | Below Cal | #      | 62       |
| 10) Methyl Iodide             | 4.291          | 142  | 1760                | 3.654     | ug/l # | 47       |
| 16) Acetone                   | 4.156          | 43   | 5111                | 3.573     | ug/l # | 83       |
| 20) Methylene Chloride        | 4.961          | 84   | 88641               | 2.559     | ug/l   | 97       |
| 23) Vinyl Acetate             | 6.303          | 43   | 1709                | 20.463    | ug/l # | 71       |
| 31) Cyclohexane               | 7.979          | 56   | 21935               | 1.418     | ug/l # | 1        |
| 48) Methyl methacrylate       | 9.455          | 41   | 705                 | 2.876     | ug/l # | 77       |
| 49) 1,4-Dioxane               | 9.461          | 88   | 208                 | 3.559     | ug/l # | 5        |
| 56) Ethyl methacrylate        | 10.655         | 69   | 889                 | 3.981     | ug/l # | 57       |
| 58) 2-Chloroethyl Vinyl ether | 9.944          | 63   | 1469                | 21.187    | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.626         | 75   | 259291              | 47.877    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626         | 75   | 259291              | 145.245   | ug/l # | 16       |
| 95) Naphthalene               | 15.390         | 128  | 5881                | 5.316     | ug/l # | 92       |
| -----                         |                |      |                     |           |        |          |

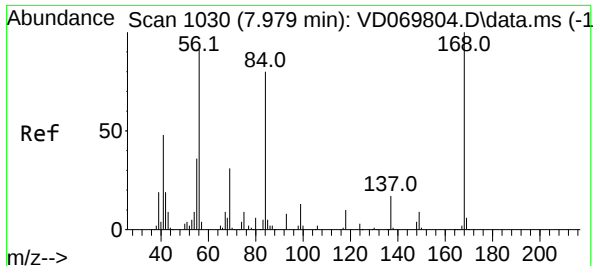
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080421\  
Data File : VD069978.D  
Acq On : 04 Aug 2021 11:29  
Operator : VA/SY  
Sample : VD0804SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Aug 05 03:08:38 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 04:51:13 2021  
Response via : Initial Calibration

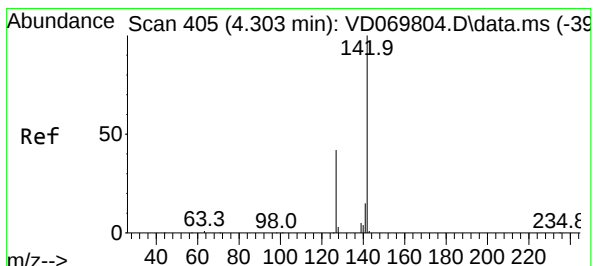
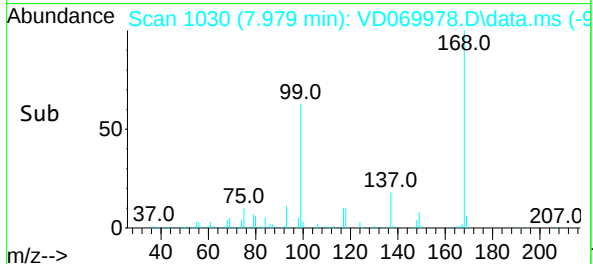
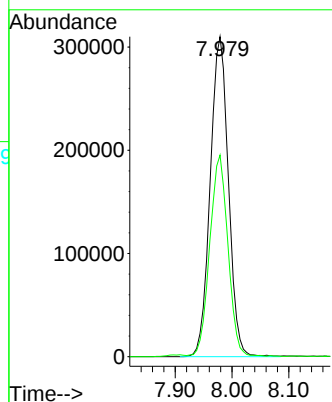
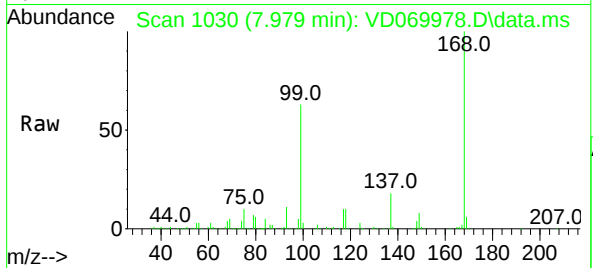




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

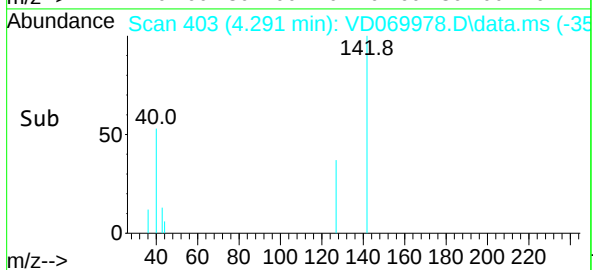
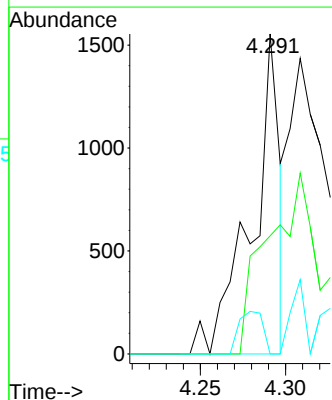
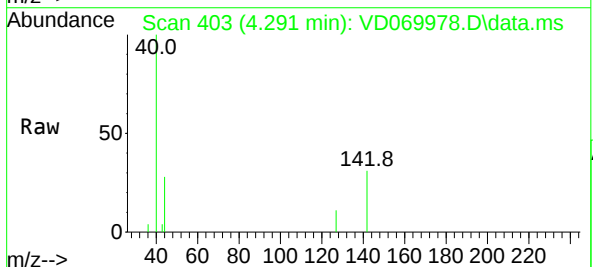
Instrument :  
MSVOA\_D  
ClientSampleId :

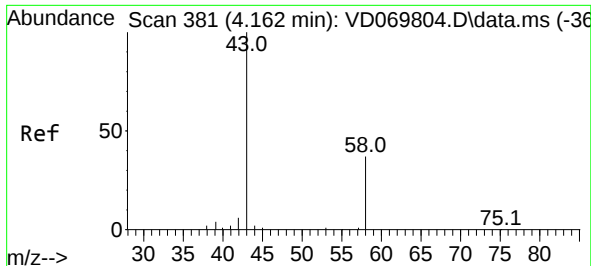
Tgt Ion:168 Resp: 688606  
Ion Ratio Lower Upper  
168 100  
99 62.8 51.1 76.7



#10  
Methyl Iodide  
Concen: 3.654 ug/l  
RT: 4.291 min Scan# 403  
Delta R.T. -0.012 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

Tgt Ion:142 Resp: 1760  
Ion Ratio Lower Upper  
142 100  
127 0.0 35.7 53.5#  
141 11.5 12.0 18.0#

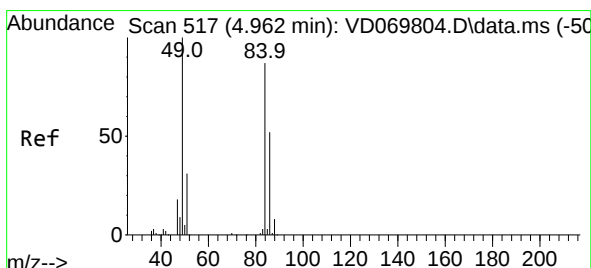
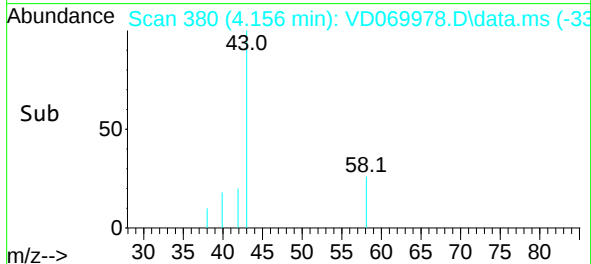
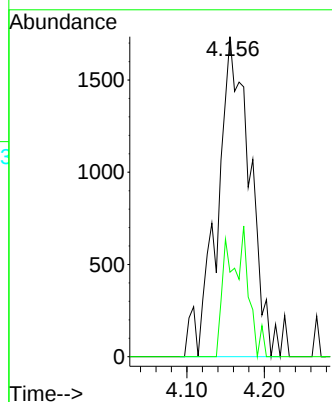
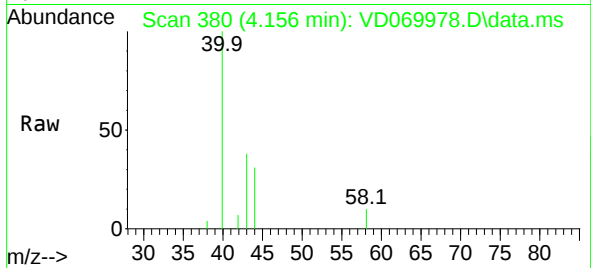




#16  
Acetone  
Concen: 3.573 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.006 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

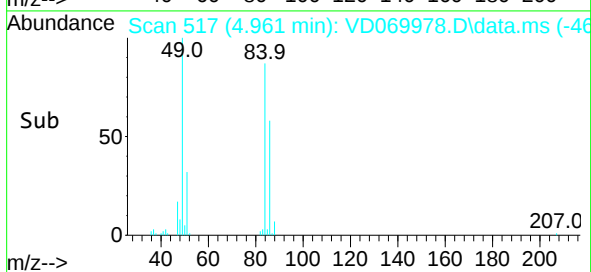
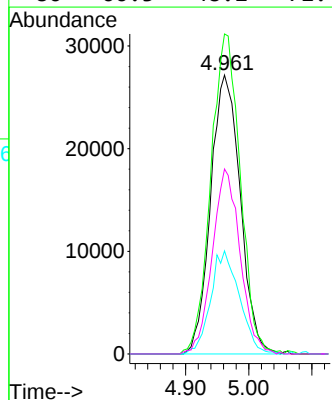
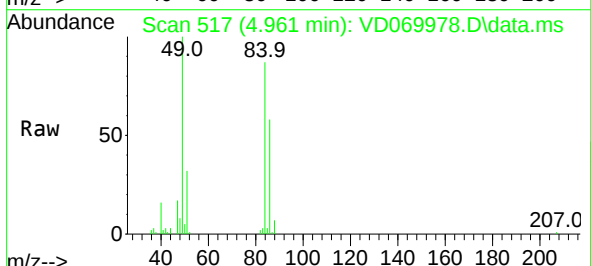
Instrument :  
MSVOA\_D  
ClientSampled :

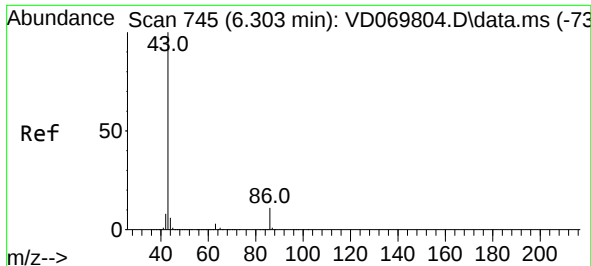
Tgt Ion: 43 Resp: 5111  
Ion Ratio Lower Upper  
43 100  
58 26.4 29.4 44.0#



#20  
Methylene Chloride  
Concen: 2.559 ug/l  
RT: 4.961 min Scan# 517  
Delta R.T. -0.001 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

Tgt Ion: 84 Resp: 88641  
Ion Ratio Lower Upper  
84 100  
49 114.7 92.4 138.6  
51 36.9 28.5 42.7  
86 66.3 48.2 72.4

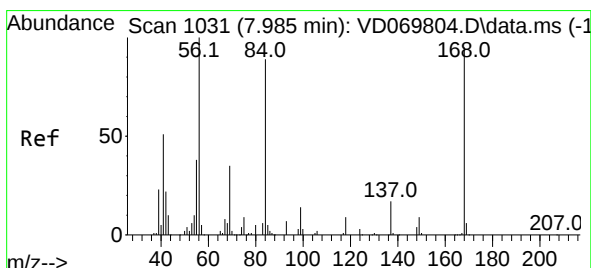
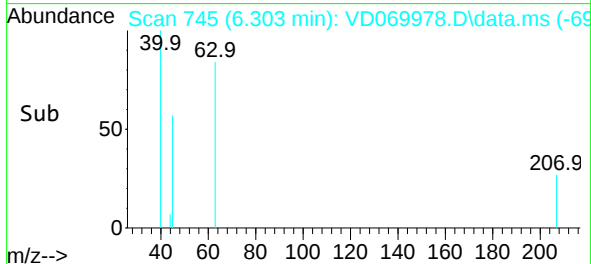
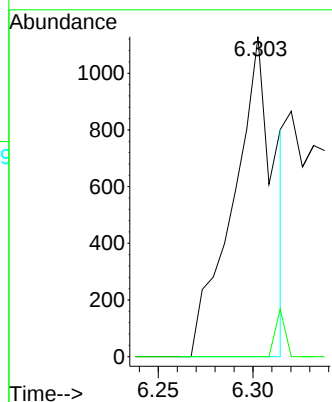
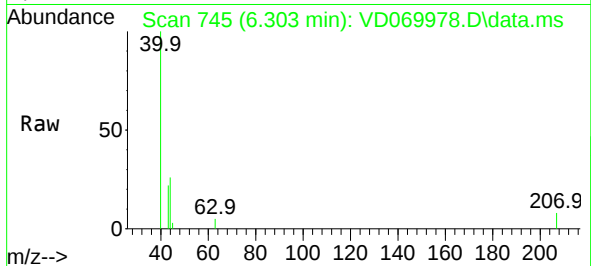




#23  
 Vinyl Acetate  
 Concen: 20.463 ug/l  
 RT: 6.303 min Scan# 745  
 Delta R.T. -0.000 min  
 Lab File: VD069978.D  
 Acq: 04 Aug 2021 11:29

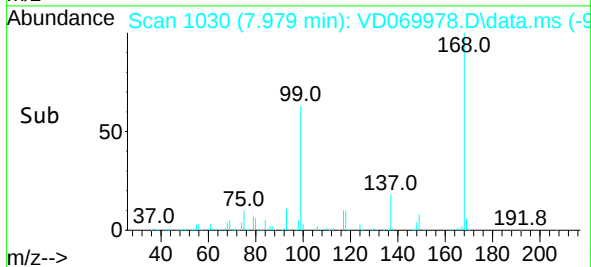
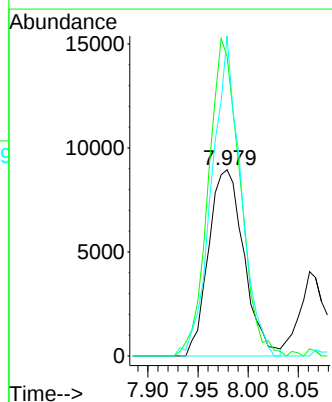
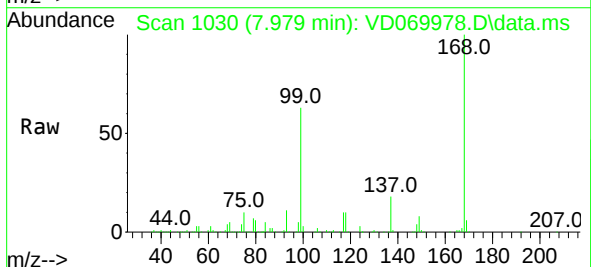
Instrument :  
 MSVOA\_D  
 ClientSampled :

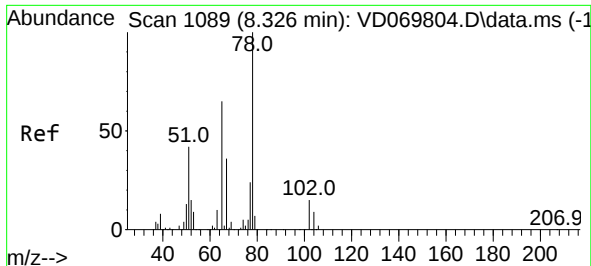
Tgt Ion: 43 Resp: 1709  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 8.6 13.0#



#31  
 Cyclohexane  
 Concen: 1.418 ug/l  
 RT: 7.979 min Scan# 1030  
 Delta R.T. -0.006 min  
 Lab File: VD069978.D  
 Acq: 04 Aug 2021 11:29

Tgt Ion: 56 Resp: 21935  
 Ion Ratio Lower Upper  
 56 100  
 69 158.4 27.9 41.9#  
 84 171.7 71.4 107.2#

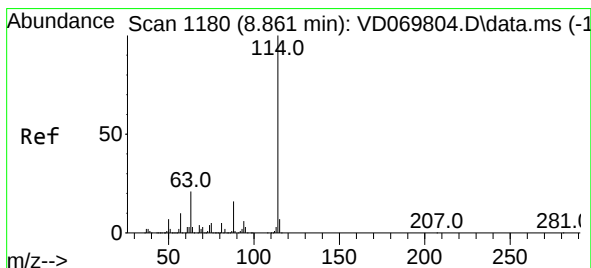
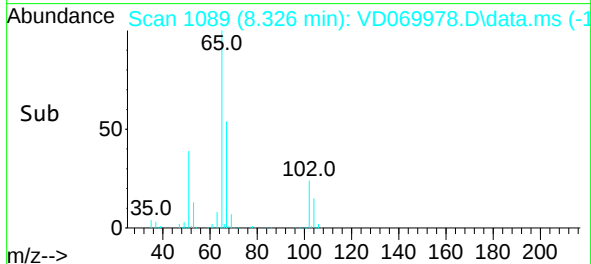
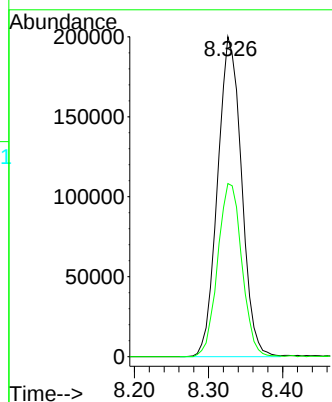
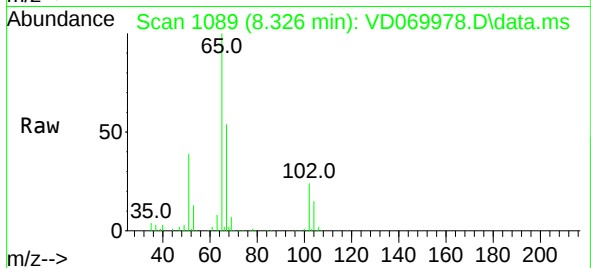




#33  
1,2-Dichloroethane-d4  
Concen: 56.589 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

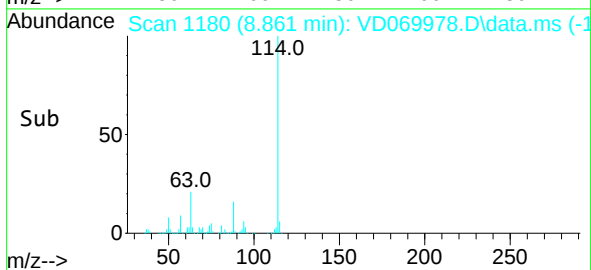
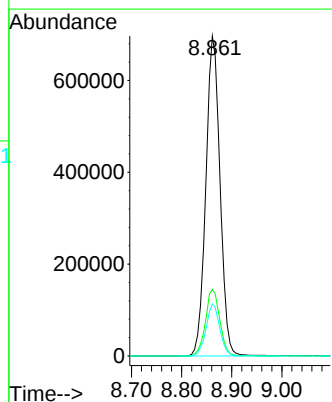
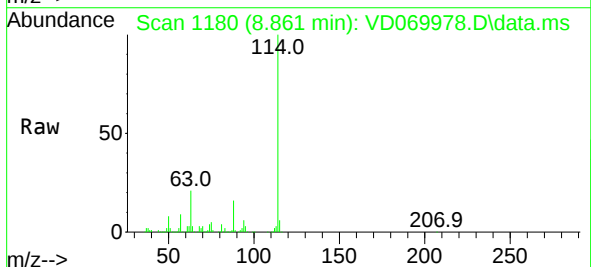
Instrument :  
MSVOA\_D  
ClientSampled :

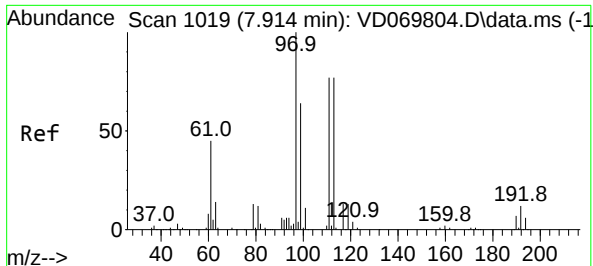
Tgt Ion: 65 Resp: 448162  
Ion Ratio Lower Upper  
65 100  
67 54.7 0.0 111.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

Tgt Ion: 114 Resp: 1370519  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 41.6  
88 16.2 0.0 31.4



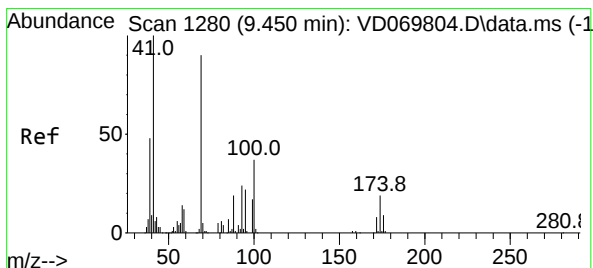
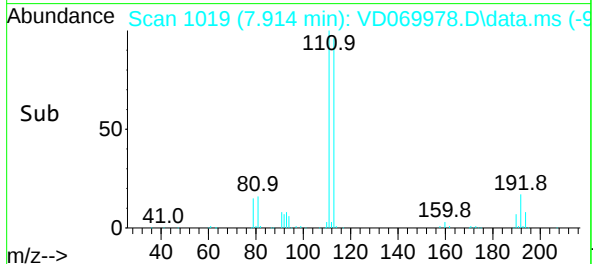
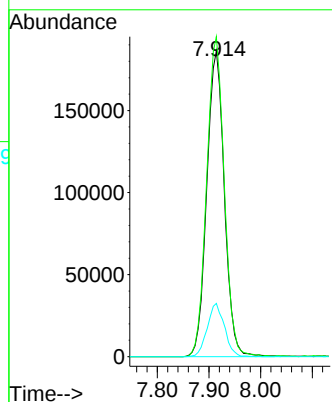
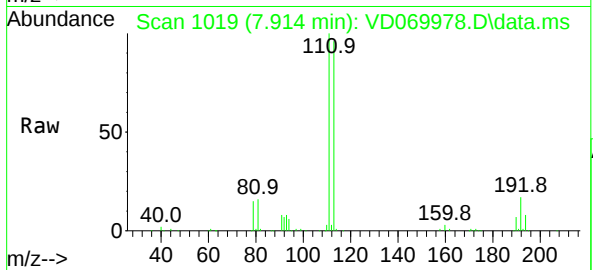


#35

Dibromofluoromethane  
Concen: 50.900 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

Instrument :  
MSVOA\_D  
ClientSampleId :

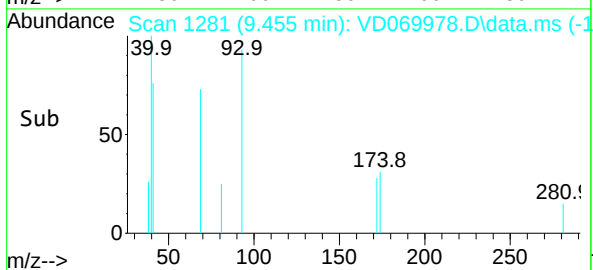
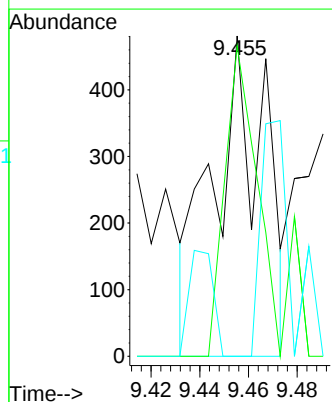
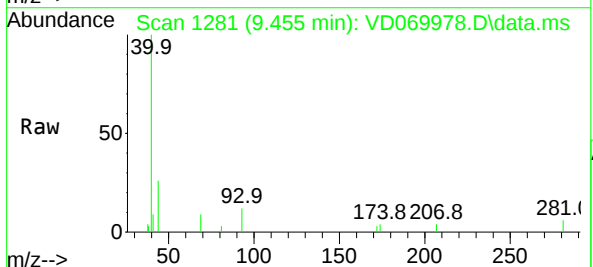
Tgt Ion:113 Resp: 439764  
Ion Ratio Lower Upper  
113 100  
111 104.8 80.5 120.7  
192 17.1 12.6 19.0

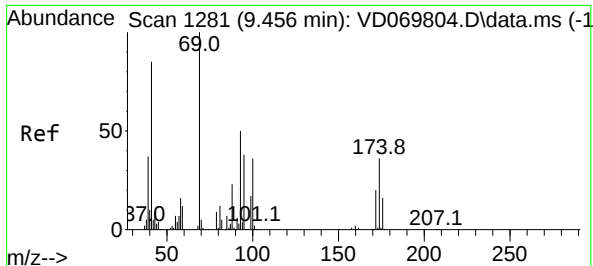


#48

Methyl methacrylate  
Concen: 2.876 ug/l  
RT: 9.455 min Scan# 1281  
Delta R.T. 0.005 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

Tgt Ion: 41 Resp: 705  
Ion Ratio Lower Upper  
41 100  
69 60.6 73.4 110.2#  
39 43.4 36.6 55.0

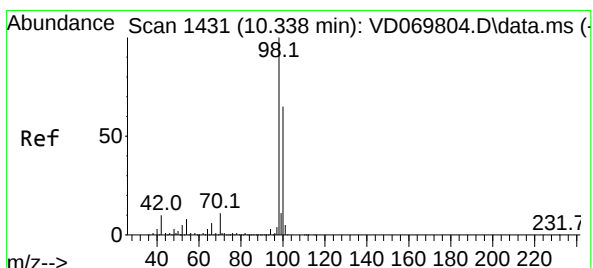
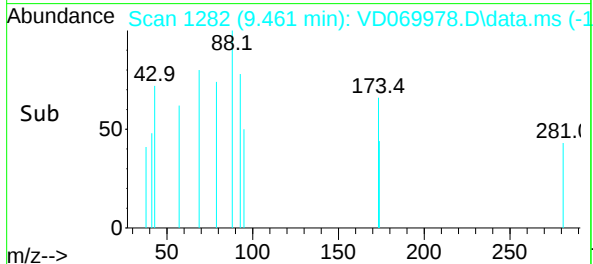
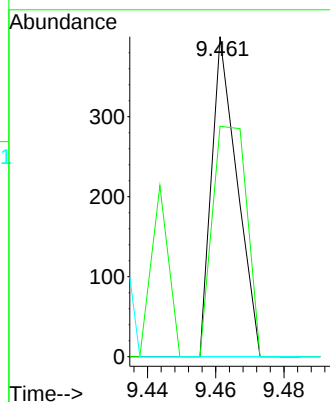
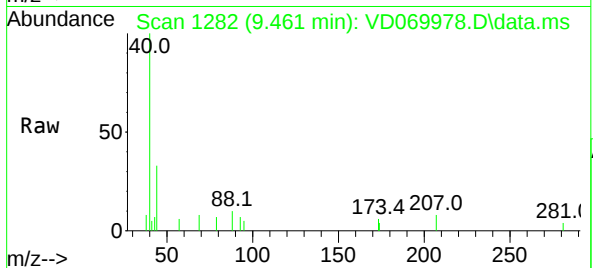




#49  
1,4-Dioxane  
Concen: 3.559 ug/l  
RT: 9.461 min Scan# 1282  
Delta R.T. 0.006 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

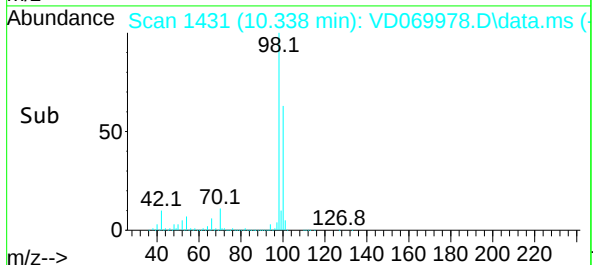
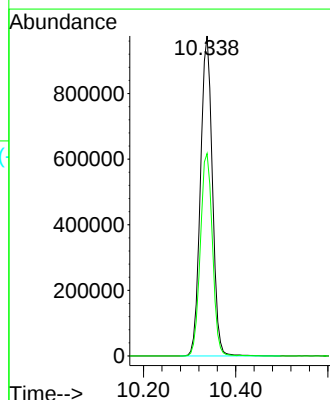
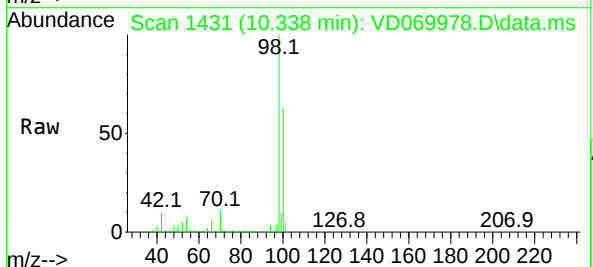
Instrument :  
MSVOA\_D  
ClientSampled :

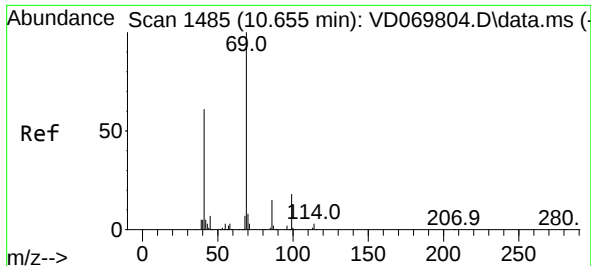
Tgt Ion: 88 Resp: 208  
Ion Ratio Lower Upper  
88 100  
43 97.1 26.8 40.2#  
58 0.0 59.8 89.6#



#50  
Toluene-d8  
Concen: 52.644 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

Tgt Ion: 98 Resp: 1753790  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.9 77.9

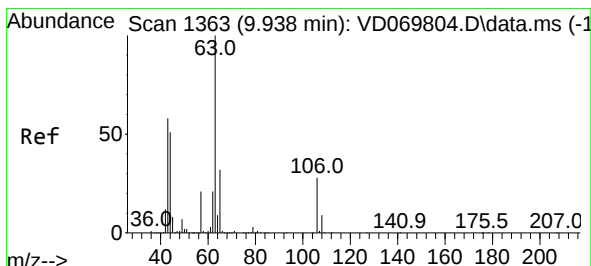
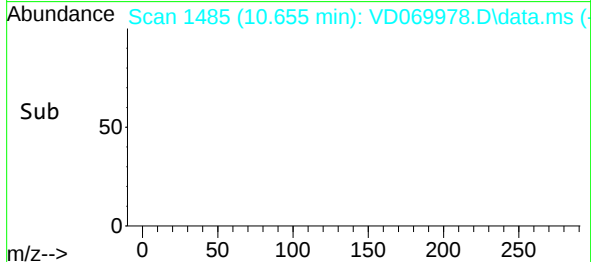
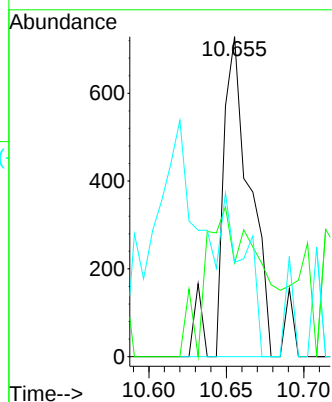
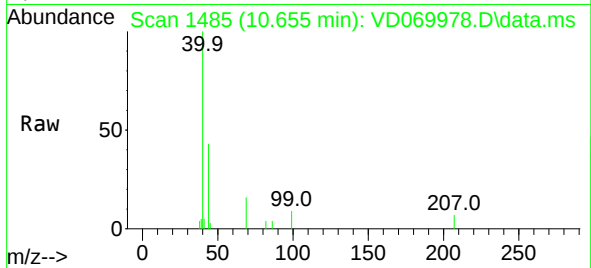




#56  
Ethyl methacrylate  
Concen: 3.981 ug/l  
RT: 10.655 min Scan# 1485  
Delta R.T. 0.000 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

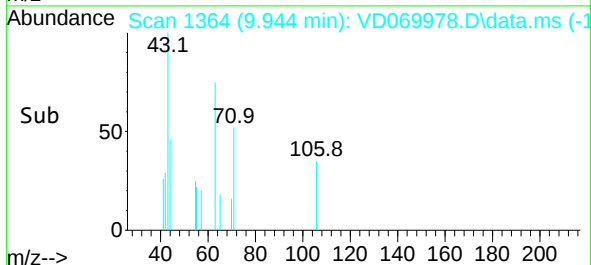
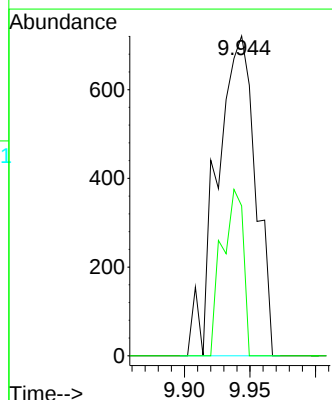
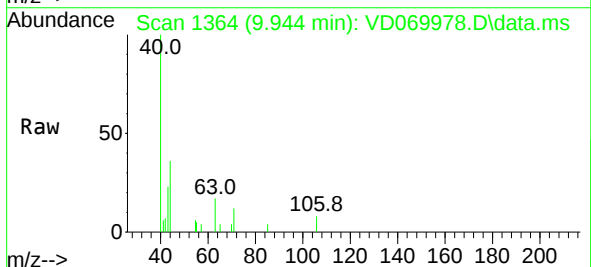
Instrument :  
MSVOA\_D  
ClientSampled :

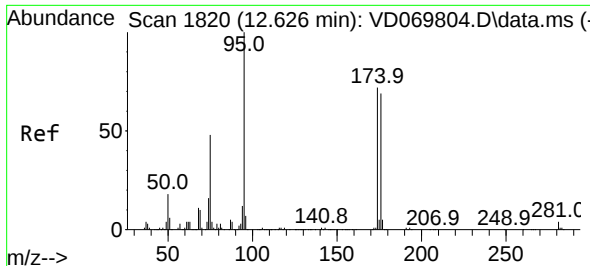
Tgt Ion: 69 Resp: 889  
Ion Ratio Lower Upper  
69 100  
41 92.9 50.2 75.2#  
39 0.0 22.0 33.0#



#58  
2-Chloroethyl Vinyl ether  
Concen: 21.187 ug/l  
RT: 9.944 min Scan# 1364  
Delta R.T. 0.006 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

Tgt Ion: 63 Resp: 1469  
Ion Ratio Lower Upper  
63 100  
106 28.9 21.8 32.6

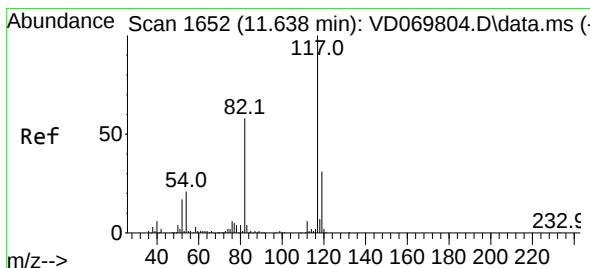
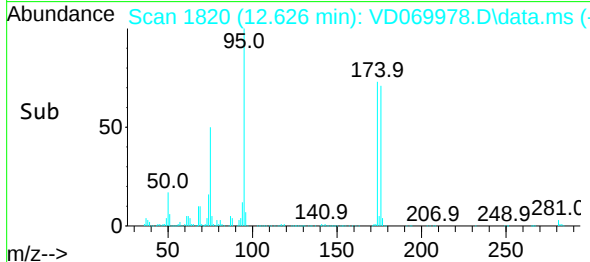
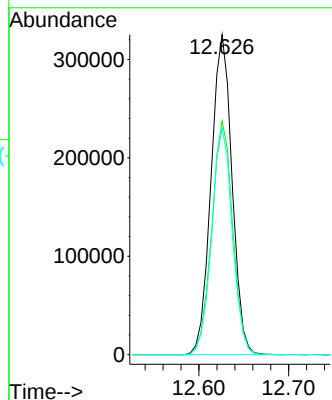
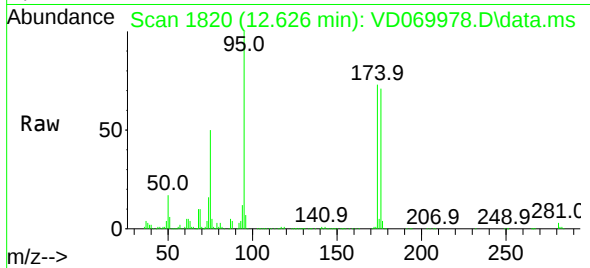




#62  
4-Bromofluorobenzene  
Concen: 47.313 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

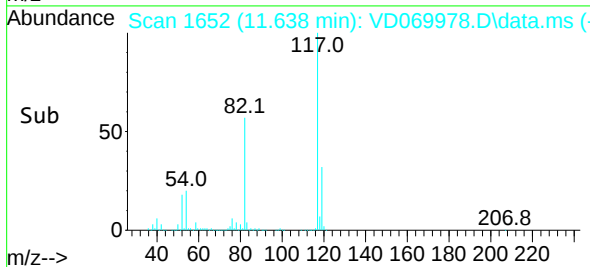
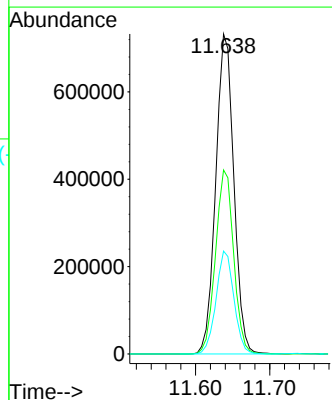
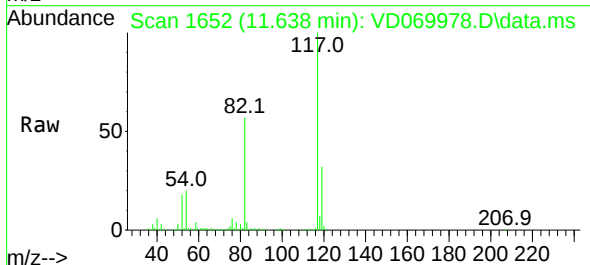
Instrument :  
MSVOA\_D  
ClientSampleId :

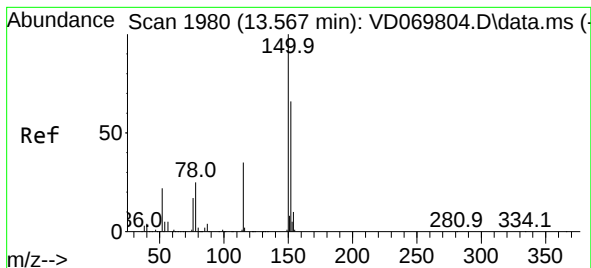
Tgt Ion: 95 Resp: 526772  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 142.6  
176 69.7 0.0 134.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

Tgt Ion: 117 Resp: 1242301  
Ion Ratio Lower Upper  
117 100  
82 57.5 46.3 69.5  
119 32.1 24.7 37.1

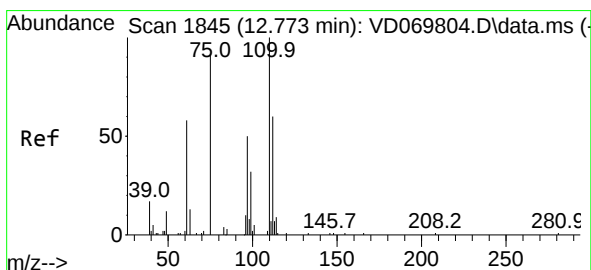
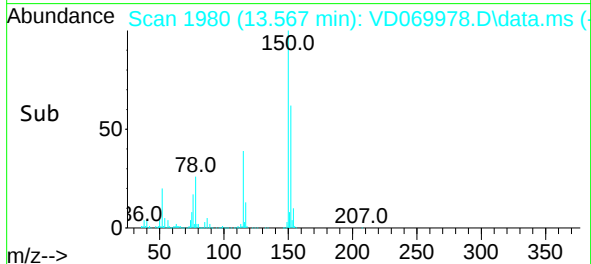
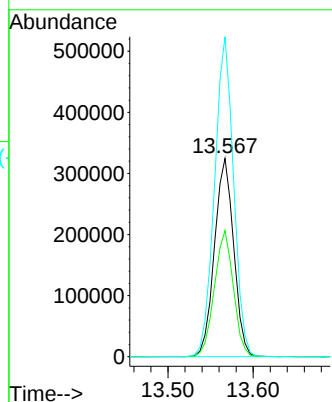
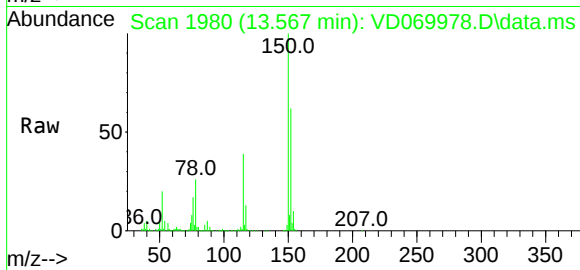




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.567 min Scan# 1980  
 Delta R.T. -0.000 min  
 Lab File: VD069978.D  
 Acq: 04 Aug 2021 11:29

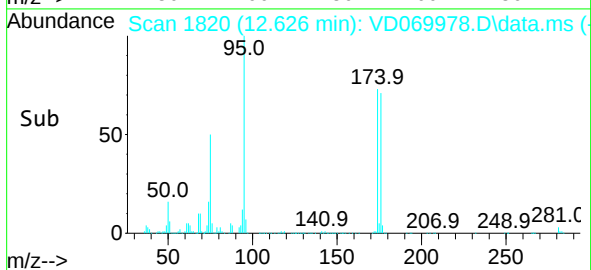
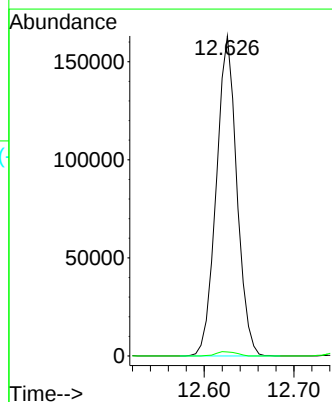
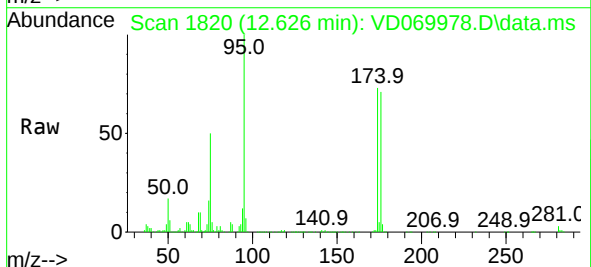
Instrument :  
 MSVOA\_D  
 ClientSampleId :

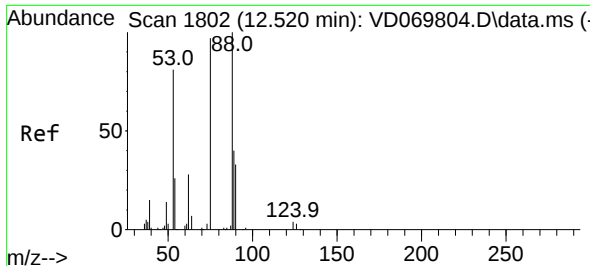
Tgt Ion:152 Resp: 509520  
 Ion Ratio Lower Upper  
 152 100  
 115 62.6 31.1 93.3  
 150 160.0 0.0 343.0



#76  
 1,2,3-Trichloropropane  
 Concen: 47.877 ug/l  
 RT: 12.626 min Scan# 1820  
 Delta R.T. -0.147 min  
 Lab File: VD069978.D  
 Acq: 04 Aug 2021 11:29

Tgt Ion: 75 Resp: 259291  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 181.5 544.5#

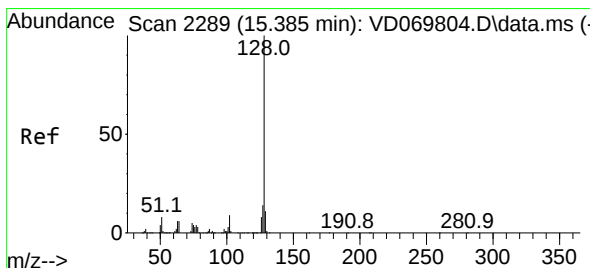
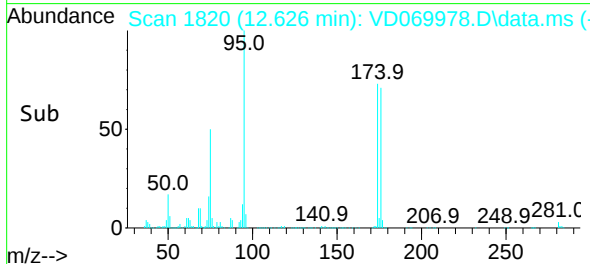
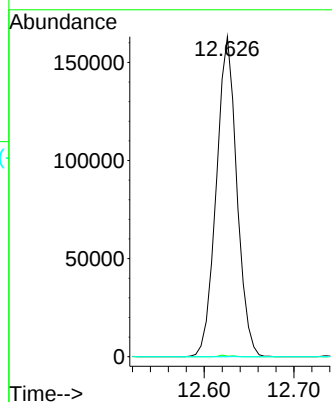
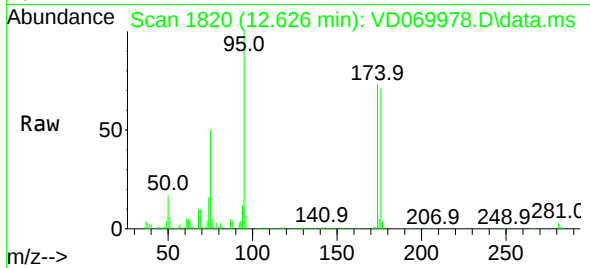




#81  
trans-1,4-Dichloro-2-butene  
Concen: 145.245 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 259291  
Ion Ratio Lower Upper  
75 100  
53 0.2 67.2 100.8#  
89 0.0 35.8 53.6#



#95  
Naphthalene  
Concen: 5.316 ug/l  
RT: 15.390 min Scan# 2290  
Delta R.T. 0.005 min  
Lab File: VD069978.D  
Acq: 04 Aug 2021 11:29

Tgt Ion:128 Resp: 5881  
Ion Ratio Lower Upper  
128 100  
127 17.1 10.6 16.0#  
129 13.4 8.6 12.8#

