

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081121\  
 Data File : VD070018.D  
 Acq On : 11 Aug 2021 12:43  
 Operator : VA/SY  
 Sample : VD0811SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 12 05:27:38 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

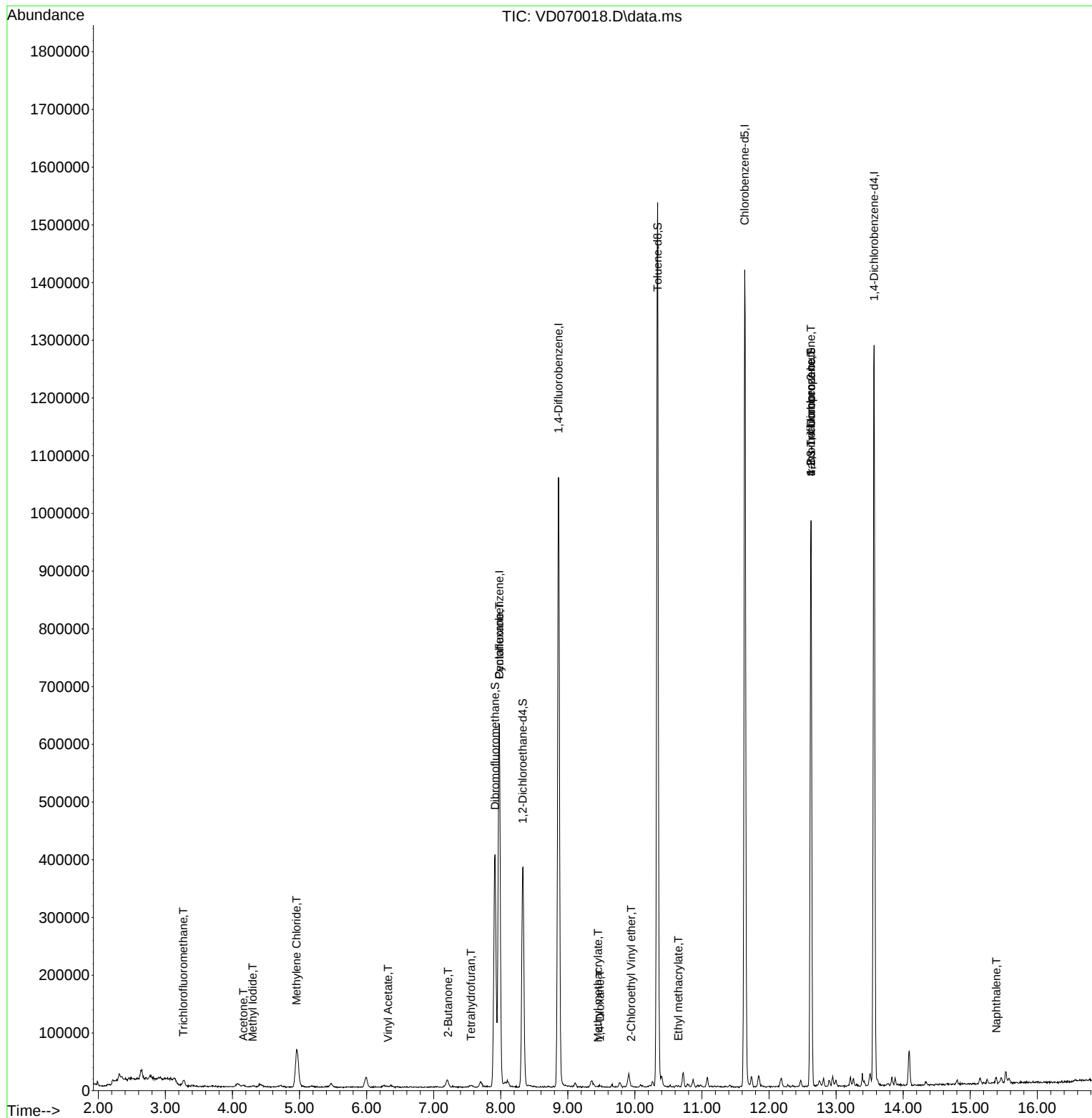
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 446791              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 889408              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 823548              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567         | 152  | 338551              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 299965              | 58.376    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 116.760% |           |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 298449              | 53.230    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 106.460% |           |        |          |
| 50) Toluene-d8                | 10.338         | 98   | 1040259             | 48.116    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 96.240%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.626         | 95   | 336384              | 46.556    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 93.120%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 5) Bromomethane               | 2.774          | 94   | 5814                | Below Cal | #      | 67       |
| 7) Trichlorofluoromethane     | 3.268          | 101  | 10890               | 1.229     | ug/l   | 90       |
| 10) Methyl Iodide             | 4.303          | 142  | 3903                | 4.117     | ug/l # | 76       |
| 16) Acetone                   | 4.162          | 43   | 4326                | 4.660     | ug/l # | 82       |
| 20) Methylene Chloride        | 4.956          | 84   | 53595               | 1.892     | ug/l   | 96       |
| 23) Vinyl Acetate             | 6.320          | 43   | 2857                | 20.642    | ug/l # | 71       |
| 25) 2-Butanone                | 7.214          | 43   | 1738                | 1.381     | ug/l   | 95       |
| 29) Tetrahydrofuran           | 7.556          | 42   | 2100                | 2.579     | ug/l # | 78       |
| 31) Cyclohexane               | 7.979          | 56   | 13793               | 1.374     | ug/l # | 8        |
| 48) Methyl methacrylate       | 9.450          | 41   | 1103                | 3.059     | ug/l # | 60       |
| 49) 1,4-Dioxane               | 9.479          | 88   | 57                  | 1.503     | ug/l # | 1        |
| 56) Ethyl methacrylate        | 10.650         | 69   | 742                 | 4.005     | ug/l # | 34       |
| 58) 2-Chloroethyl Vinyl ether | 9.944          | 63   | 1598                | 21.401    | ug/l # | 87       |
| 76) 1,2,3-Trichloropropane    | 12.626         | 75   | 164376              | 45.678    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626         | 75   | 164376              | 138.576   | ug/l # | 16       |
| 95) Naphthalene               | 15.390         | 128  | 8439                | 5.685     | ug/l # | 92       |
| -----                         |                |      |                     |           |        |          |

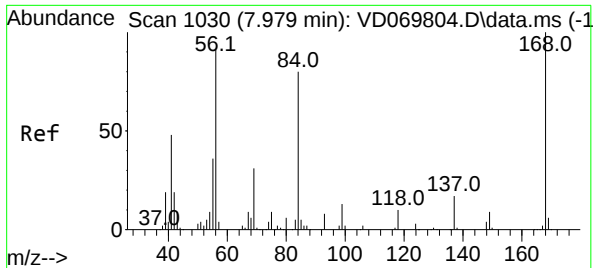
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081121\  
Data File : VD070018.D  
Acq On : 11 Aug 2021 12:43  
Operator : VA/SY  
Sample : VD0811SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Aug 12 05:27:38 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

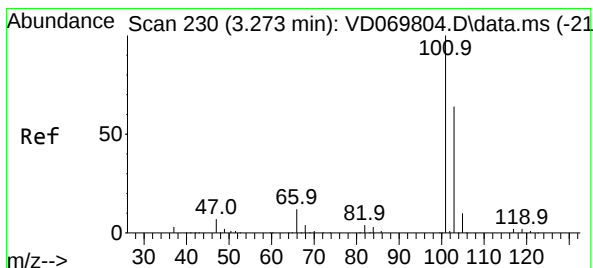
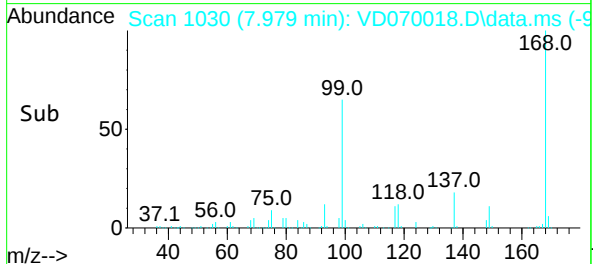
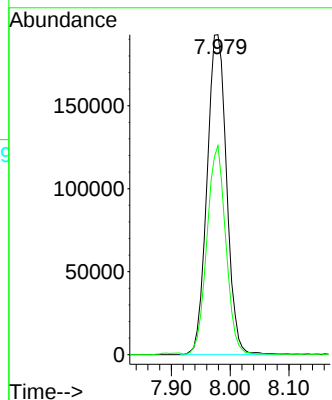
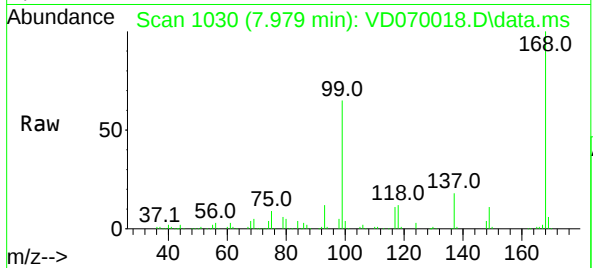




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

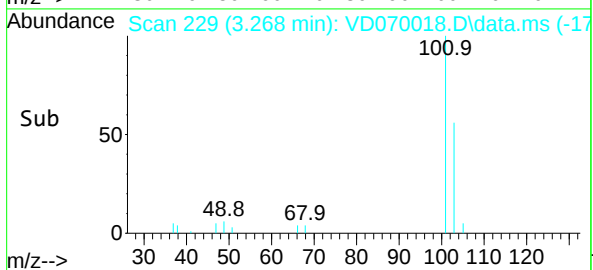
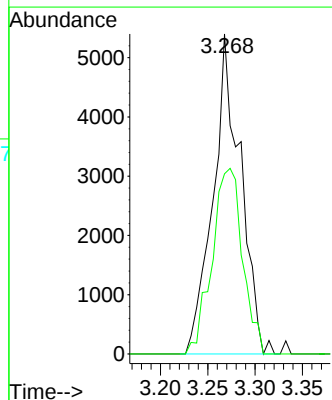
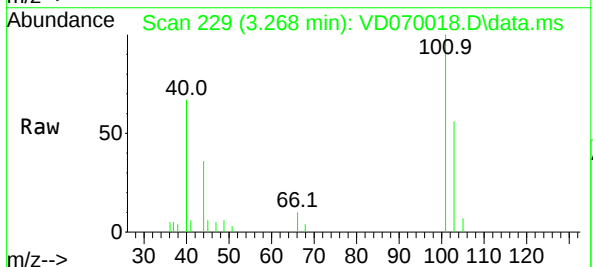
Instrument :  
MSVOA\_D  
ClientSampleId :

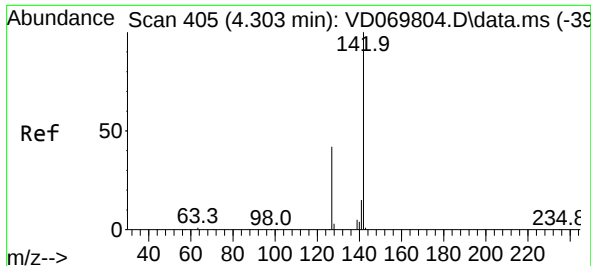
Tgt Ion:168 Resp: 446791  
Ion Ratio Lower Upper  
168 100  
99 65.3 51.1 76.7



#7  
Trichlorofluoromethane  
Concen: 1.229 ug/l  
RT: 3.268 min Scan# 229  
Delta R.T. -0.006 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

Tgt Ion:101 Resp: 10890  
Ion Ratio Lower Upper  
101 100  
103 56.3 51.3 76.9

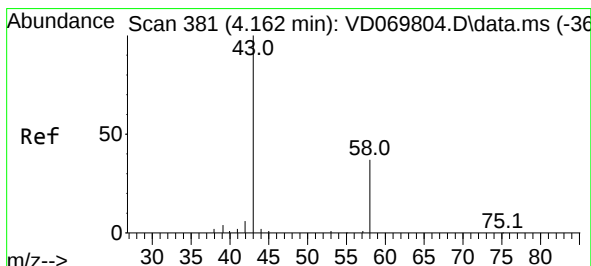
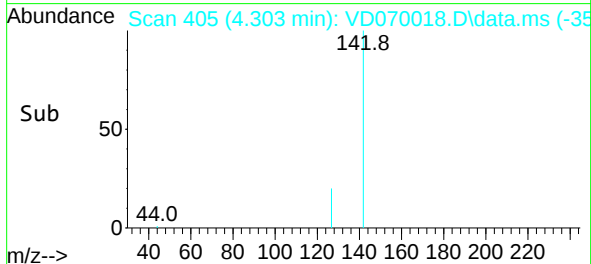
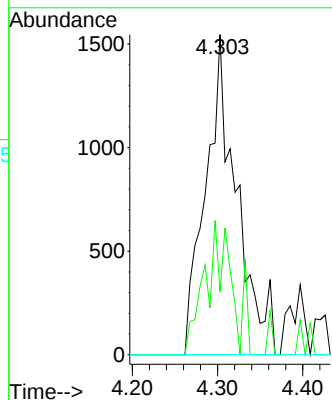
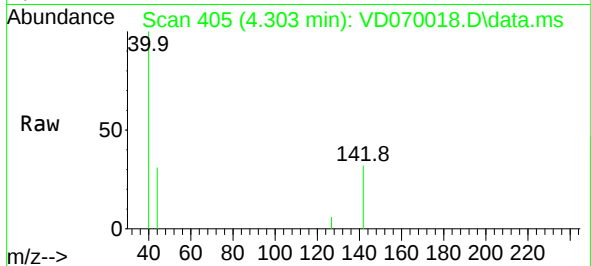




#10  
Methyl Iodide  
Concen: 4.117 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

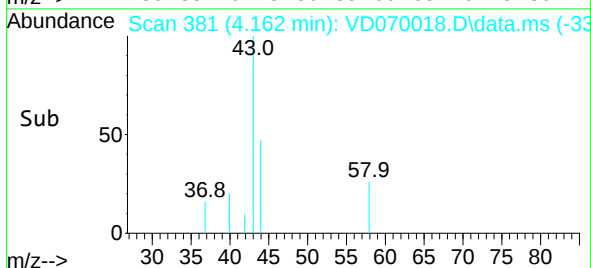
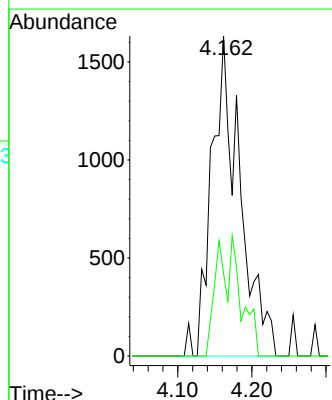
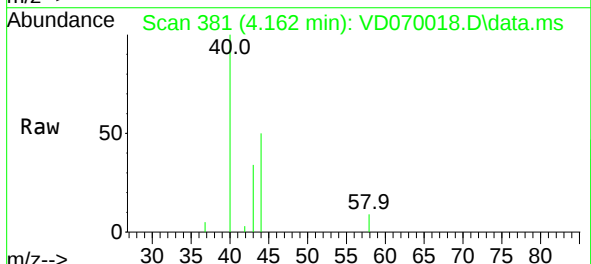
Instrument :  
MSVOA\_D  
ClientSampled :

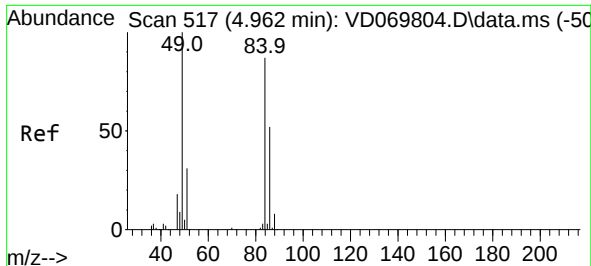
Tgt Ion:142 Resp: 3903  
Ion Ratio Lower Upper  
142 100  
127 31.9 35.7 53.5#  
141 0.0 12.0 18.0#



#16  
Acetone  
Concen: 4.660 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.000 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

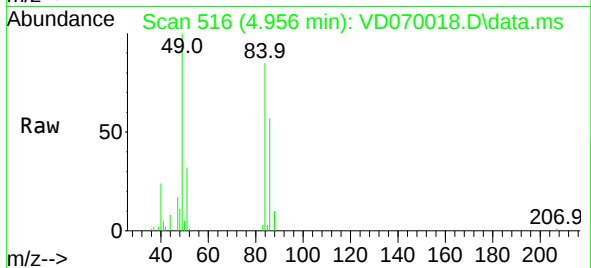
Tgt Ion: 43 Resp: 4326  
Ion Ratio Lower Upper  
43 100  
58 25.8 29.4 44.0#



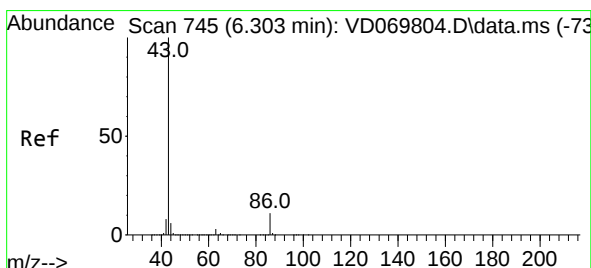
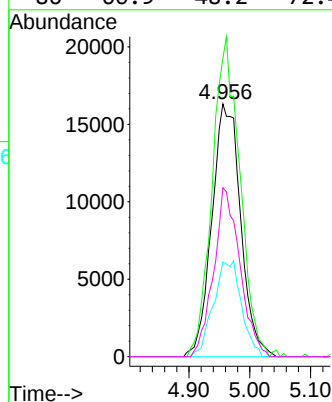
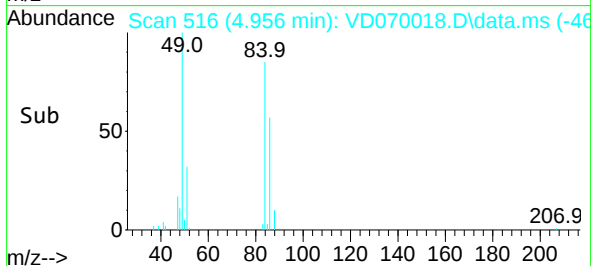


#20  
Methylene Chloride  
Concen: 1.892 ug/l  
RT: 4.956 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

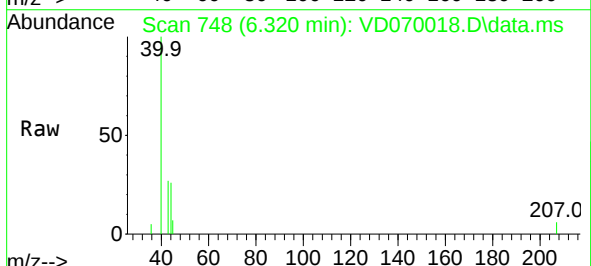
Instrument :  
MSVOA\_D  
ClientSampled :



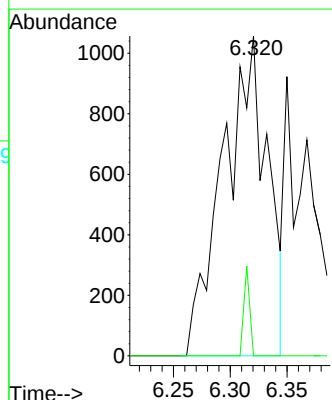
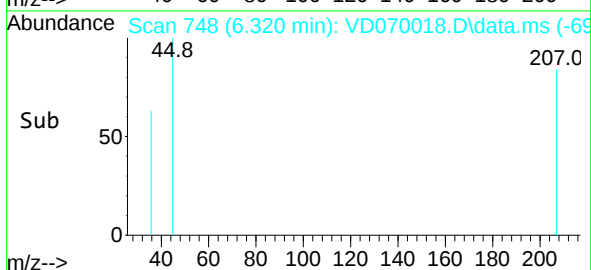
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 53595 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 118.1 | 92.4  | 138.6 |
| 51       | 37.5  | 28.5  | 42.7  |
| 86       | 66.9  | 48.2  | 72.4  |

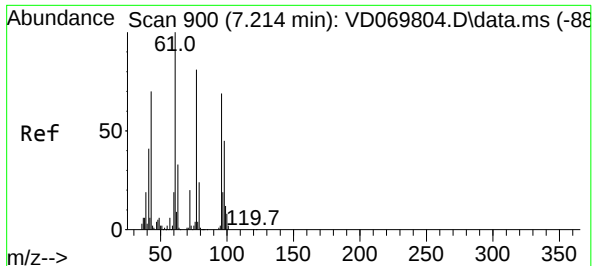


#23  
Vinyl Acetate  
Concen: 20.642 ug/l  
RT: 6.320 min Scan# 748  
Delta R.T. 0.017 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2857  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 0.0   | 8.6   | 13.0# |

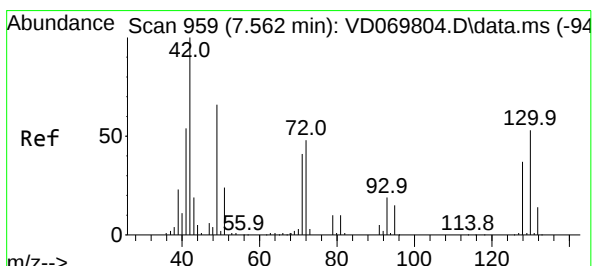
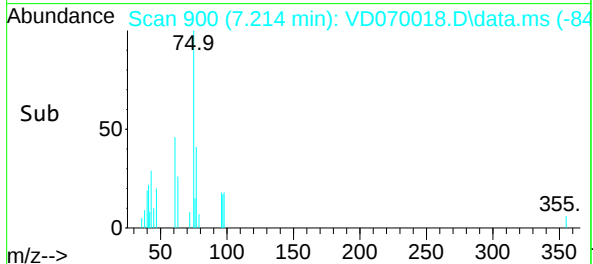
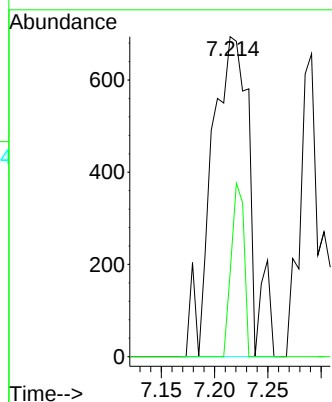
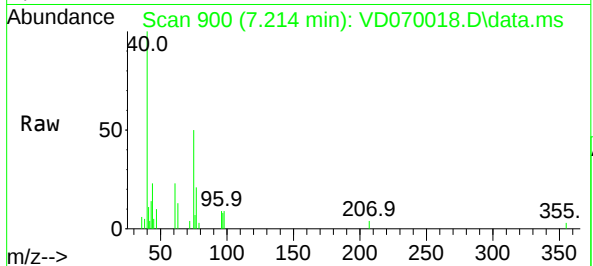




#25  
2-Butanone  
Concen: 1.381 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

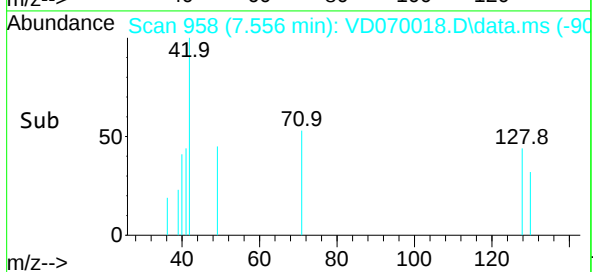
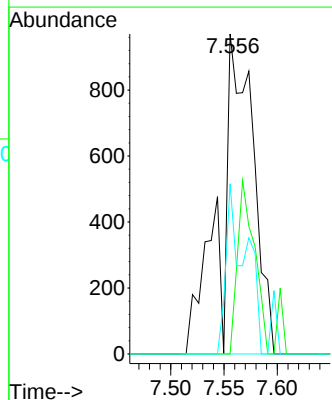
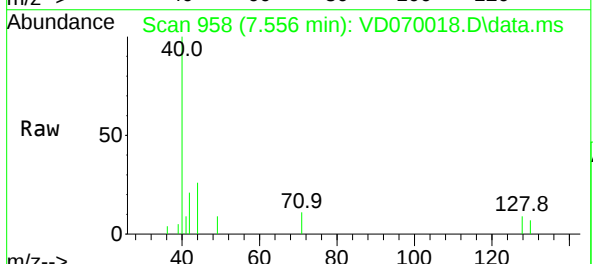
Instrument :  
MSVOA\_D  
ClientSampled :

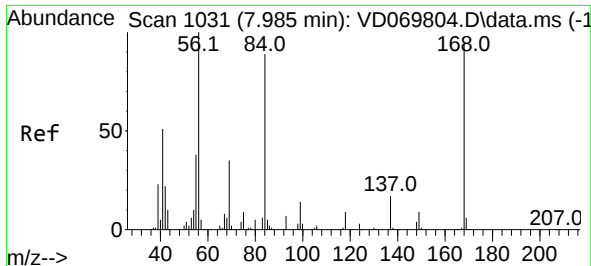
Tgt Ion: 43 Resp: 1738  
Ion Ratio Lower Upper  
43 100  
72 26.1 22.8 34.2



#29  
Tetrahydrofuran  
Concen: 2.579 ug/l  
RT: 7.556 min Scan# 958  
Delta R.T. -0.006 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

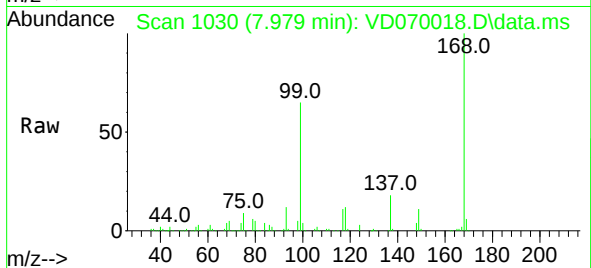
Tgt Ion: 42 Resp: 2100  
Ion Ratio Lower Upper  
42 100  
72 28.0 36.5 54.7#  
71 31.4 33.5 50.3#



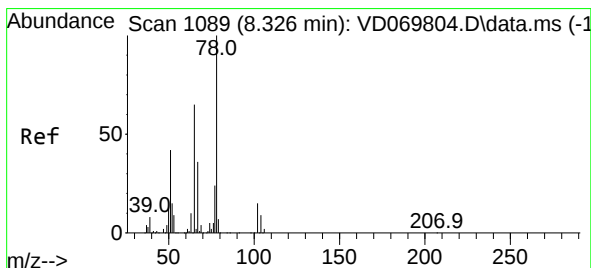
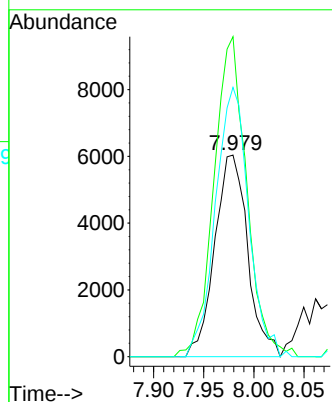
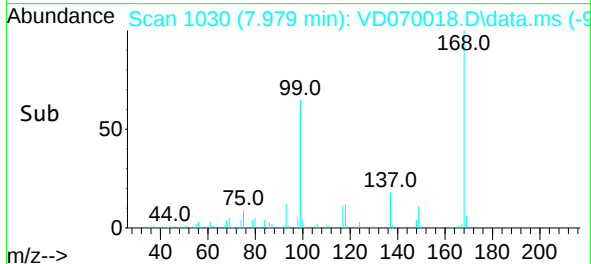


#31  
Cyclohexane  
Concen: 1.374 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

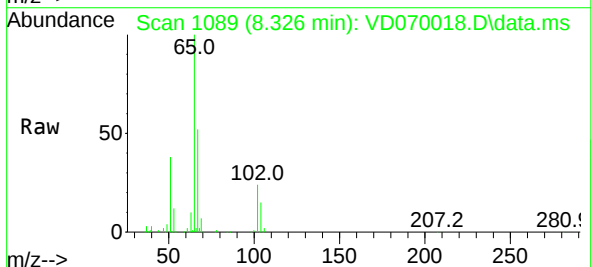
Instrument :  
MSVOA\_D  
ClientSampleId :



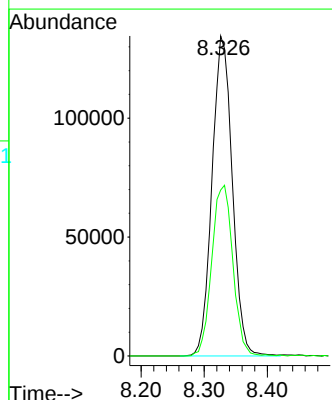
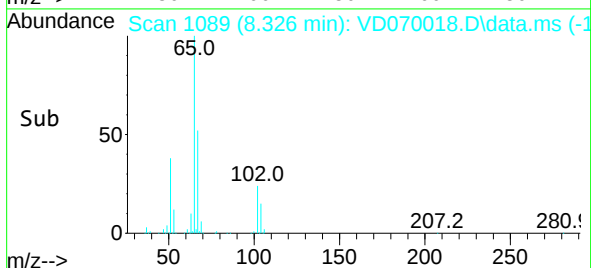
Tgt Ion: 56 Resp: 13793  
Ion Ratio Lower Upper  
56 100  
69 155.7 27.9 41.9#  
84 133.5 71.4 107.2#

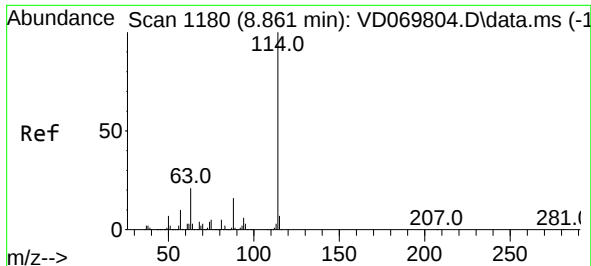


#33  
1,2-Dichloroethane-d4  
Concen: 58.376 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43



Tgt Ion: 65 Resp: 299965  
Ion Ratio Lower Upper  
65 100  
67 55.6 0.0 111.2

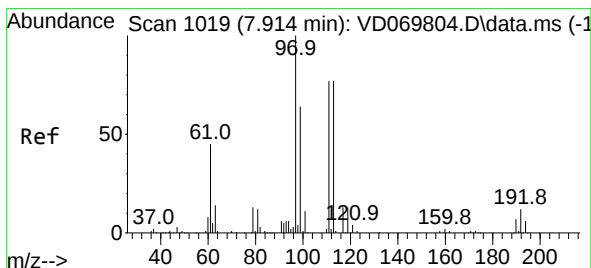
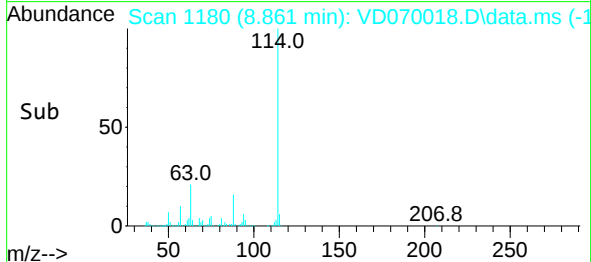
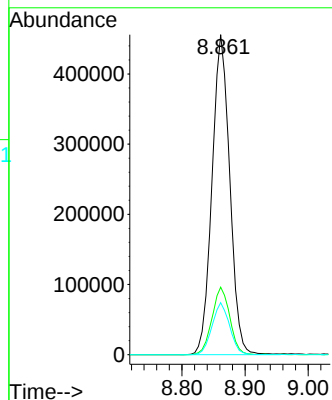
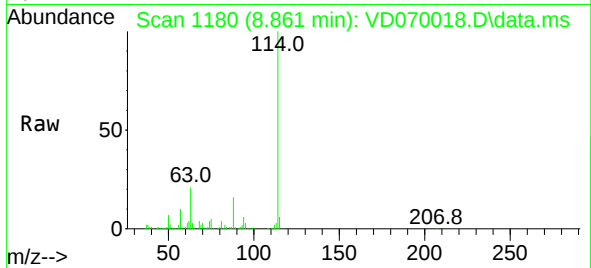




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

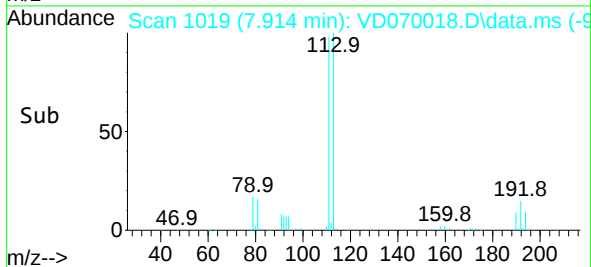
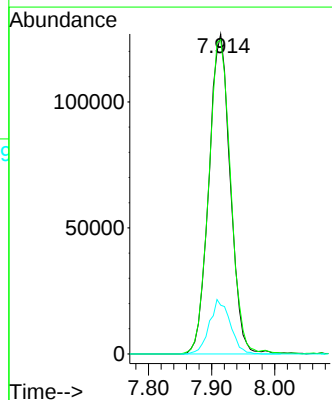
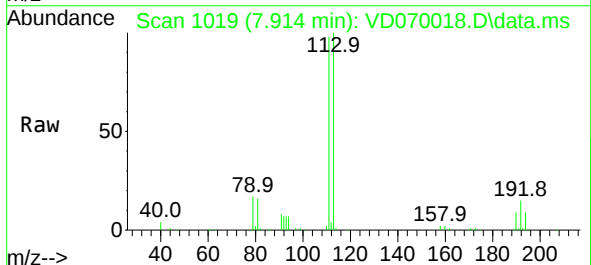
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:114 Resp: 889408  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 41.6  
88 16.3 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 53.230 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

Tgt Ion:113 Resp: 298449  
Ion Ratio Lower Upper  
113 100  
111 101.5 80.5 120.7  
192 16.5 12.6 19.0

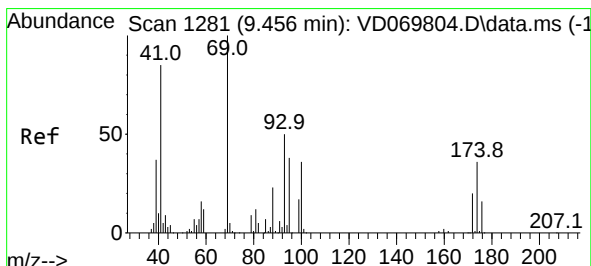
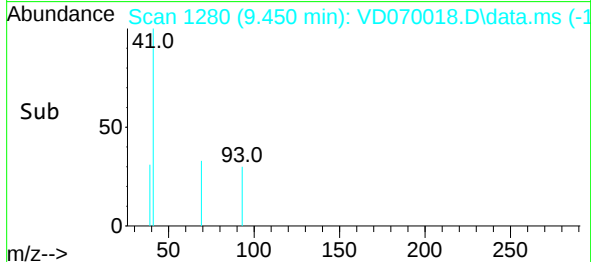
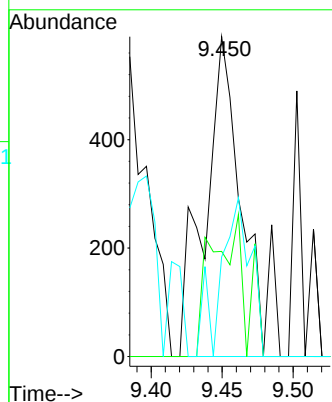
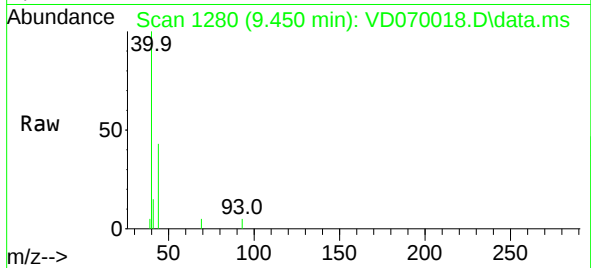




#48  
Methyl methacrylate  
Concen: 3.059 ug/l  
RT: 9.450 min Scan# 1280  
Delta R.T. -0.000 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

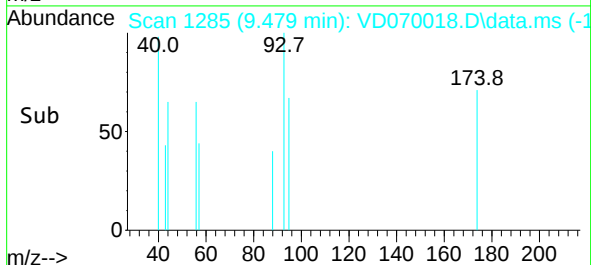
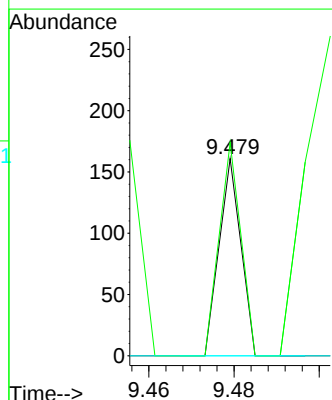
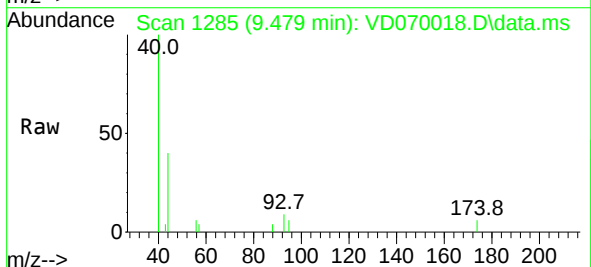
Instrument :  
MSVOA\_D  
ClientSampleId :

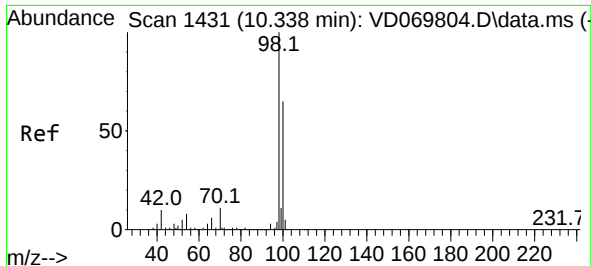
Tgt Ion: 41 Resp: 1103  
Ion Ratio Lower Upper  
41 100  
69 39.9 73.4 110.2#  
39 39.5 36.6 55.0



#49  
1,4-Dioxane  
Concen: 1.503 ug/l  
RT: 9.479 min Scan# 1285  
Delta R.T. 0.024 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

Tgt Ion: 88 Resp: 57  
Ion Ratio Lower Upper  
88 100  
43 107.0 26.8 40.2#  
58 0.0 59.8 89.6#

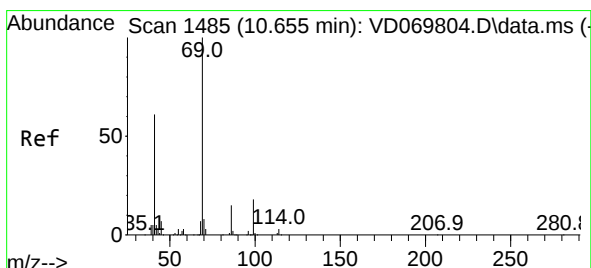
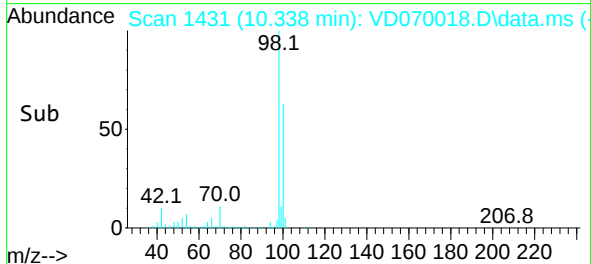
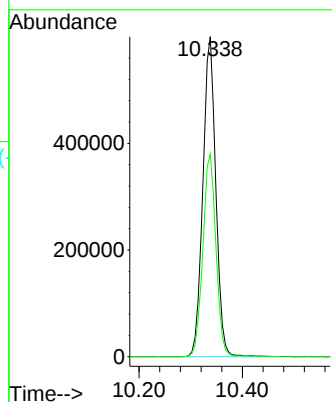
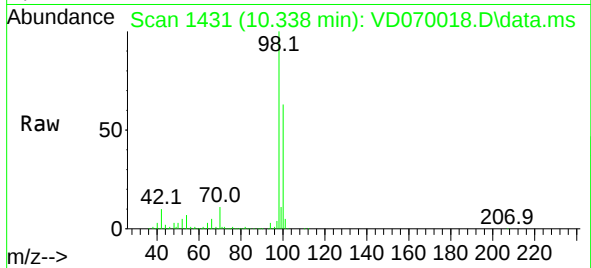




#50  
Toluene-d8  
Concen: 48.116 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

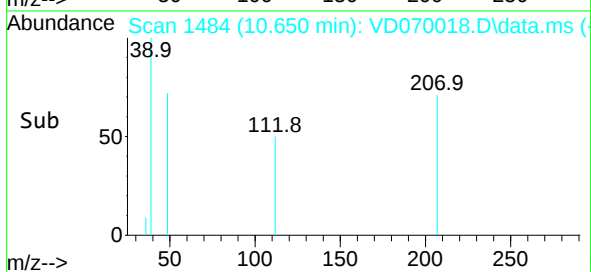
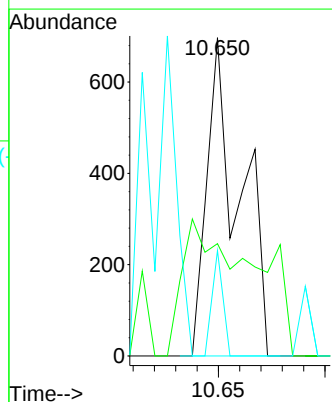
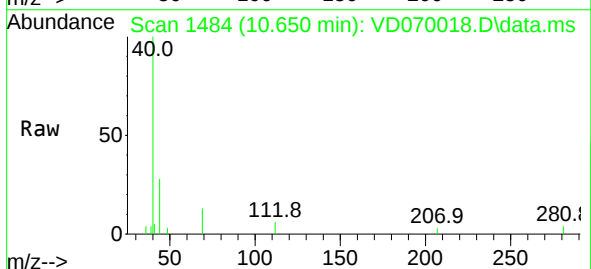
Instrument :  
MSVOA\_D  
ClientSampleId :

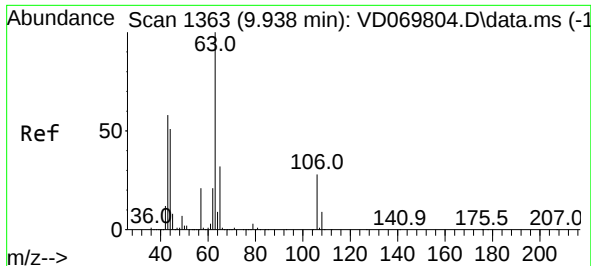
Tgt Ion: 98 Resp: 1040259  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.9 77.9



#56  
Ethyl methacrylate  
Concen: 4.005 ug/l  
RT: 10.650 min Scan# 1484  
Delta R.T. -0.005 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

Tgt Ion: 69 Resp: 742  
Ion Ratio Lower Upper  
69 100  
41 0.0 50.2 75.2#  
39 11.1 22.0 33.0#

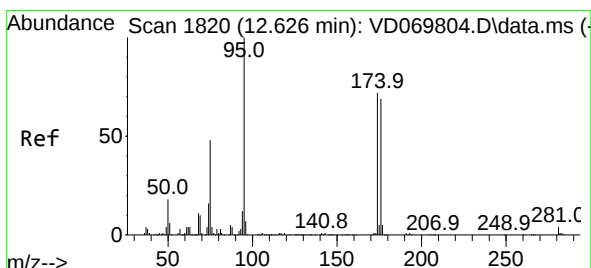
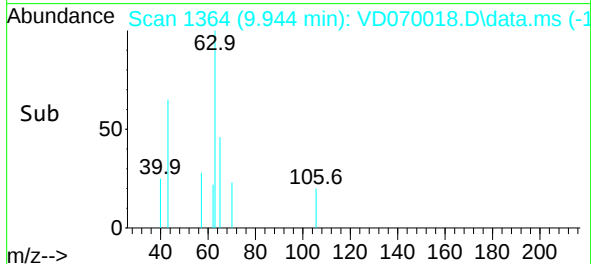
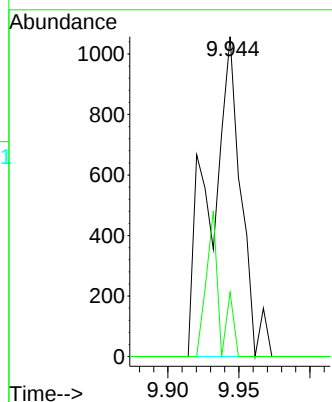
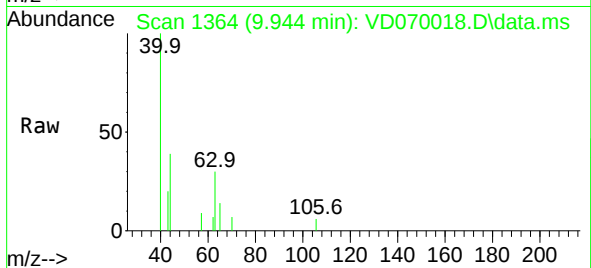




#58  
2-Chloroethyl Vinyl ether  
Concen: 21.401 ug/l  
RT: 9.944 min Scan# 1364  
Delta R.T. 0.006 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

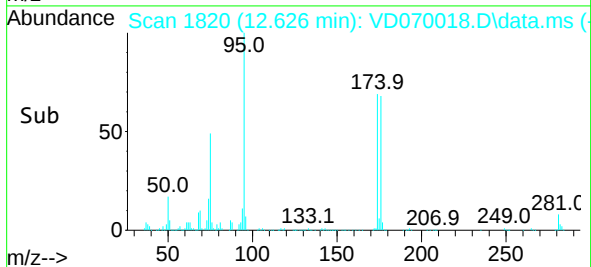
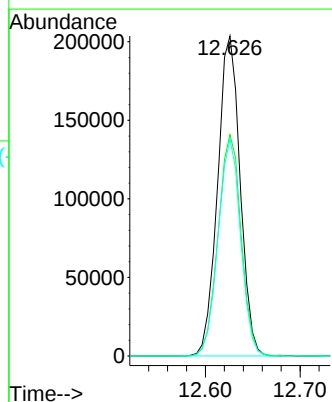
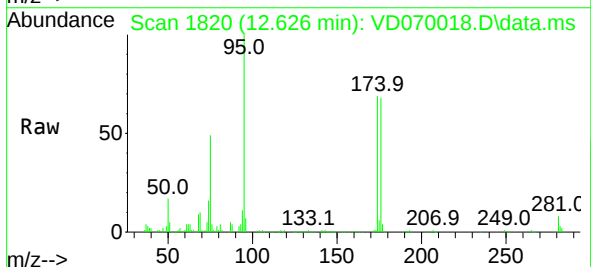
Instrument :  
MSVOA\_D  
ClientSampled :

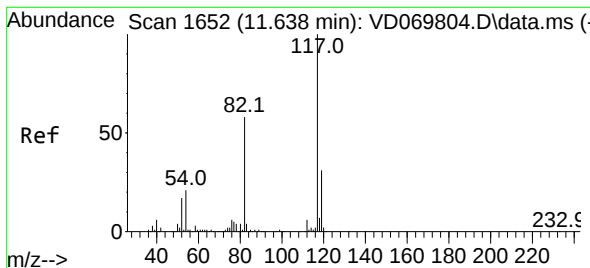
Tgt Ion: 63 Resp: 1598  
Ion Ratio Lower Upper  
63 100  
106 20.2 21.8 32.6#



#62  
4-Bromofluorobenzene  
Concen: 46.556 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

Tgt Ion: 95 Resp: 336384  
Ion Ratio Lower Upper  
95 100  
174 70.8 0.0 142.6  
176 67.7 0.0 134.2

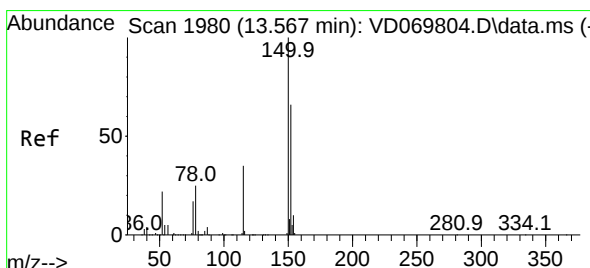
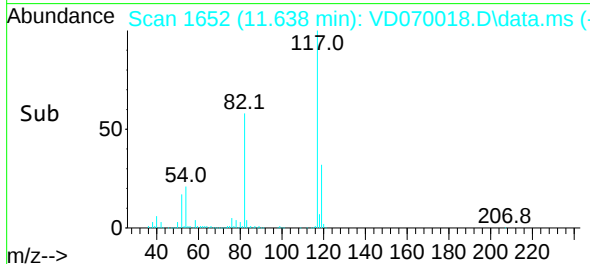
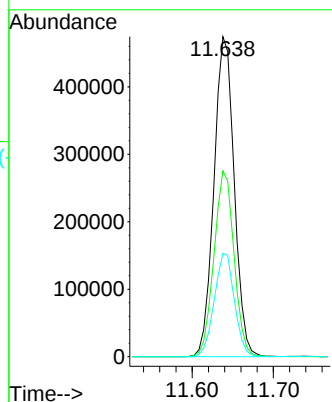
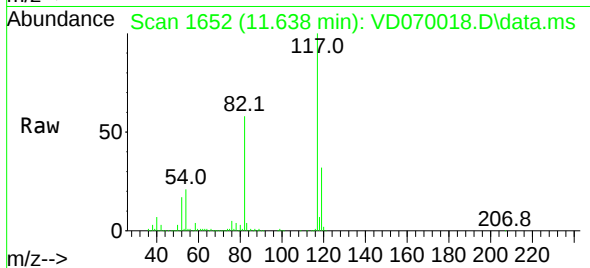




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

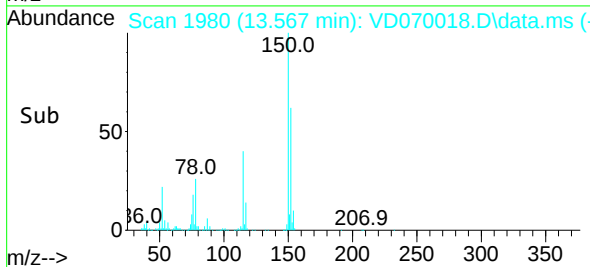
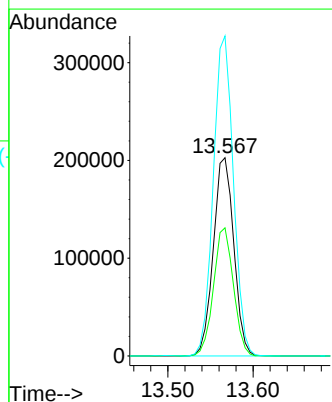
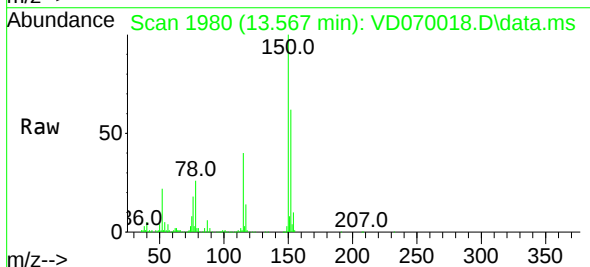
Instrument :  
MSVOA\_D  
ClientSampled :

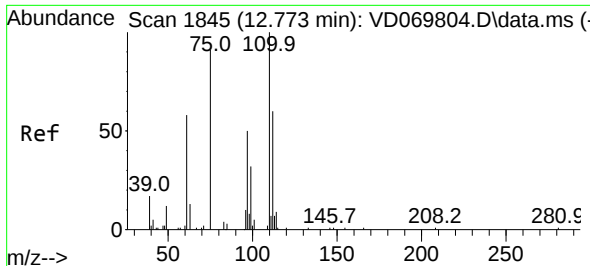
Tgt Ion:117 Resp: 823548  
Ion Ratio Lower Upper  
117 100  
82 58.0 46.3 69.5  
119 32.3 24.7 37.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

Tgt Ion:152 Resp: 338551  
Ion Ratio Lower Upper  
152 100  
115 63.0 31.1 93.3  
150 158.4 0.0 343.0

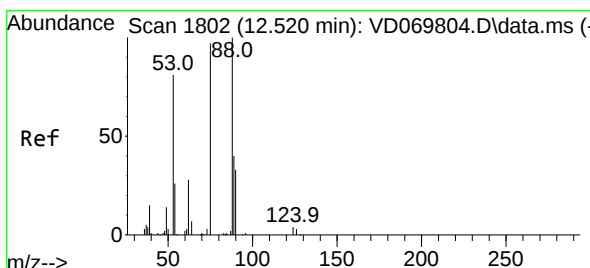
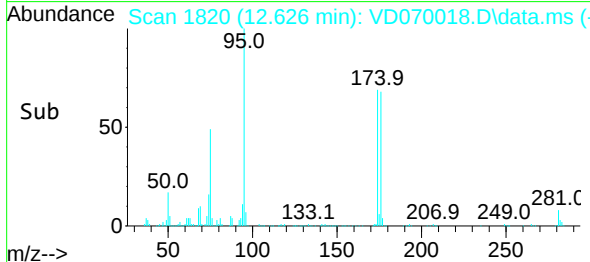
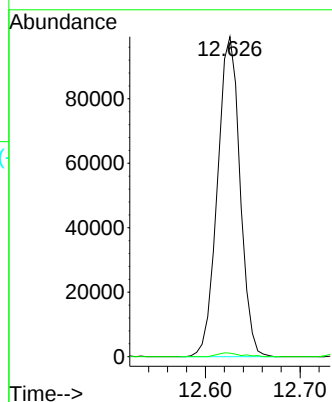
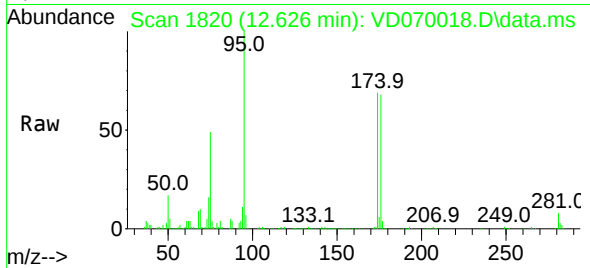




#76  
1,2,3-Trichloropropane  
Concen: 45.678 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

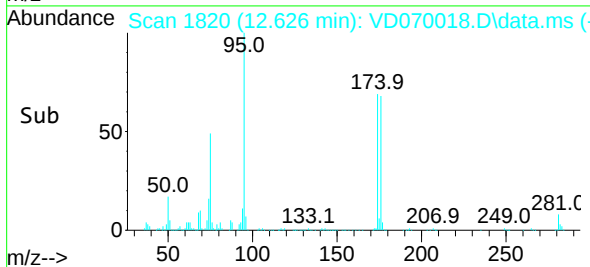
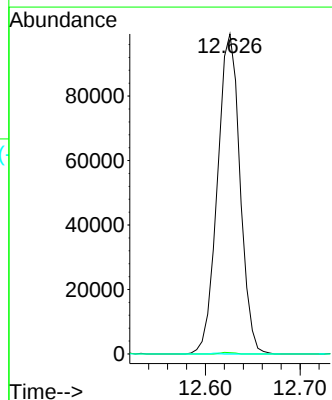
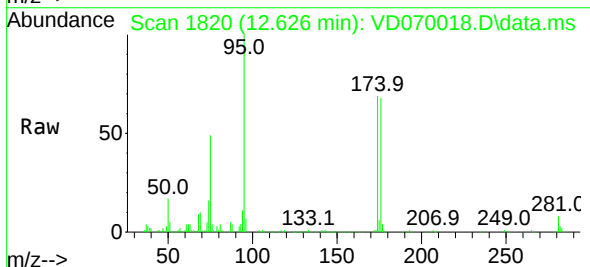
Instrument :  
MSVOA\_D  
ClientSampleId :

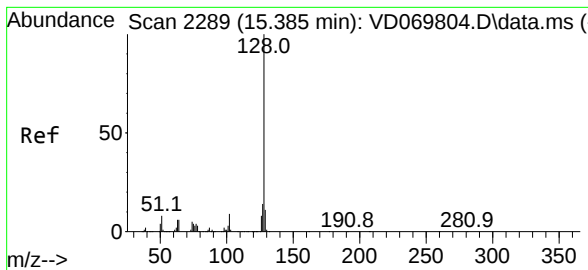
Tgt Ion: 75 Resp: 164376  
Ion Ratio Lower Upper  
75 100  
77 1.2 181.5 544.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 138.576 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD070018.D  
Acq: 11 Aug 2021 12:43

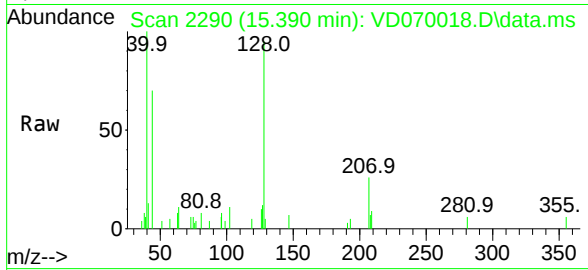
Tgt Ion: 75 Resp: 164376  
Ion Ratio Lower Upper  
75 100  
53 0.3 67.2 100.8#  
89 0.1 35.8 53.6#





#95  
 Naphthalene  
 Concen: 5.685 ug/l  
 RT: 15.390 min Scan# 2290  
 Delta R.T. 0.005 min  
 Lab File: VD070018.D  
 Acq: 11 Aug 2021 12:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :



Tgt Ion:128 Resp: 8439  
 Ion Ratio Lower Upper  
 128 100  
 127 14.8 10.6 16.0  
 129 6.1 8.6 12.8#

