

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031422\  
 Data File : VD072170.D  
 Acq On : 14 Mar 2022 16:30  
 Operator : VA/SY  
 Sample : N1851-09  
 Misc : 5.06G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUM-38

Quant Time: Mar 15 01:24:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 05:18:06 2022  
 Response via : Initial Calibration

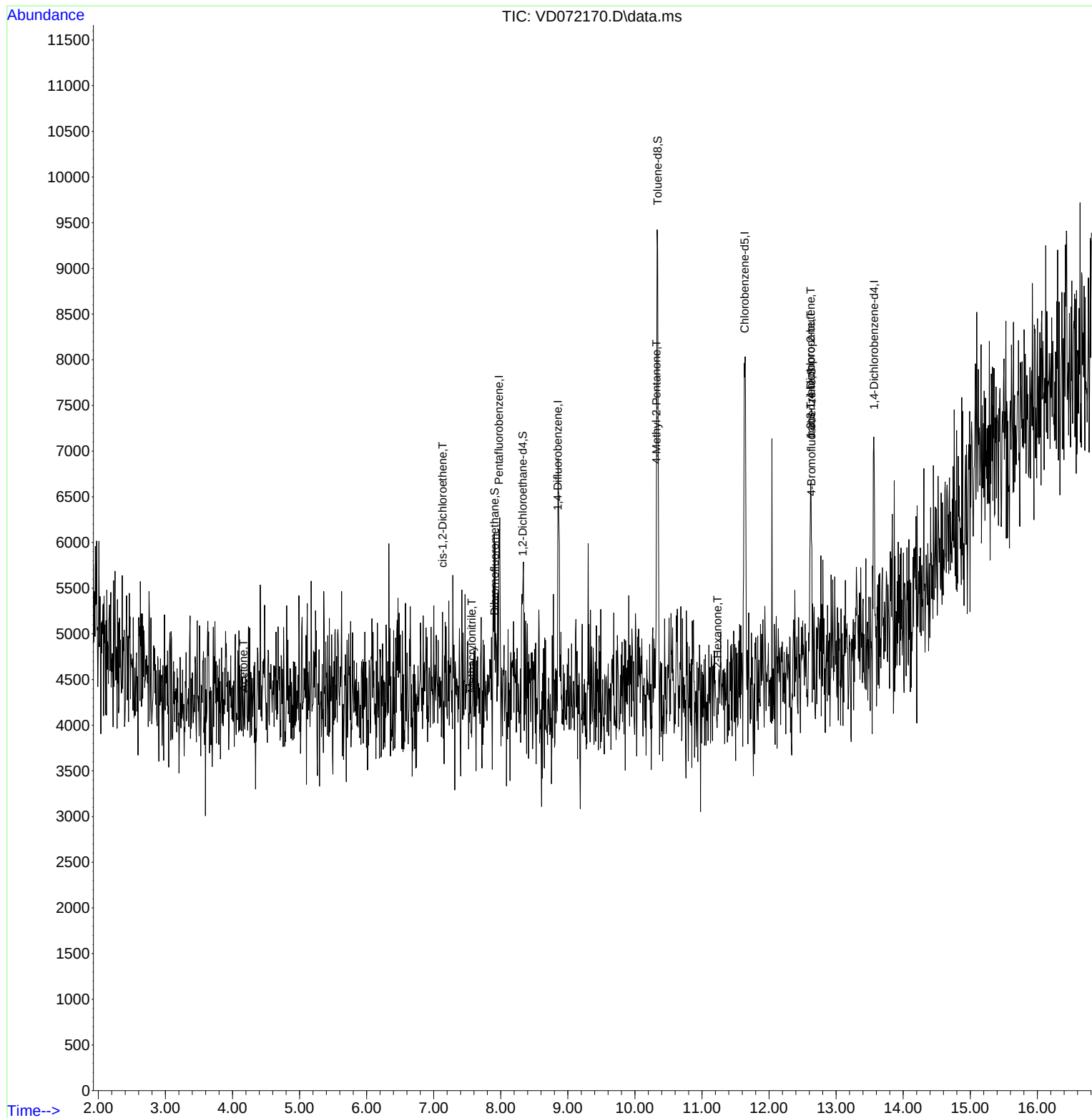
| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) Pentafluorobenzene         | 7.973     | 168   | 1548     | 50.000   | ug/l        | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.850     | 114   | 2564     | 50.000   | ug/l        | -0.01    |
| 63) Chlorobenzene-d5          | 11.638    | 117   | 2650     | 50.000   | ug/l        | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.567    | 152   | 703      | 50.000   | ug/l        | 0.00     |
|                               |           |       |          |          |             |          |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.326     | 65    | 1251     | 72.515   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 145.040%  |          |
| 35) Dibromofluoromethane      | 7.908     | 113   | 1367     | 75.763   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 151.520%# |          |
| 50) Toluene-d8                | 10.338    | 98    | 3232     | 48.988   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 97.980%   |          |
| 62) 4-Bromofluorobenzene      | 12.632    | 95    | 732      | 28.555   | ug/l        | 0.01     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 57.100%   |          |
|                               |           |       |          |          |             |          |
| Target Compounds              |           |       |          |          |             | Qvalue   |
| 16) Acetone                   | 4.162     | 43    | 131      | 34.974   | ug/l        | # 47     |
| 27) cis-1,2-Dichloroethene    | 7.132     | 96    | 74       | 3.683    | ug/l        | # 1      |
| 41) Methacrylonitrile         | 7.567     | 41    | 71       | 10.986   | ug/l        | # 27     |
| 51) 4-Methyl-2-Pentanone      | 10.320    | 43    | 57       | 5.043    | ug/l        | # 39     |
| 59) 2-Hexanone                | 11.232    | 43    | 54       | 6.917    | ug/l        | # 27     |
| 76) 1,2,3-Trichloropropane    | 12.620    | 75    | 532      | 68.603   | ug/l        | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.620    | 75    | 532      | 170.212  | ug/l        | # 7      |
| -----                         |           |       |          |          |             |          |

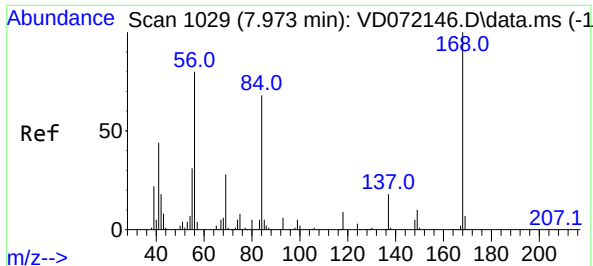
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031422\  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
DUM-38

Quant Time: Mar 15 01:24:21 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 14 05:18:06 2022  
Response via : Initial Calibration

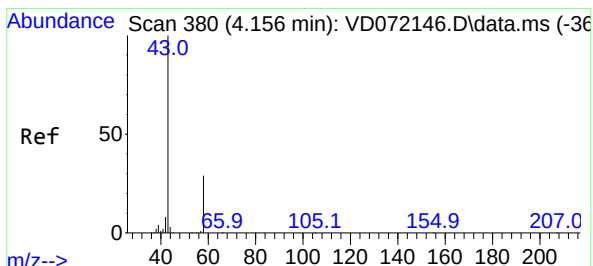
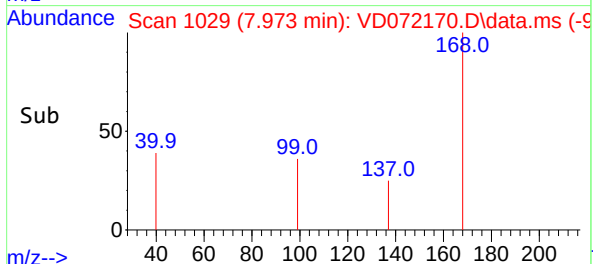
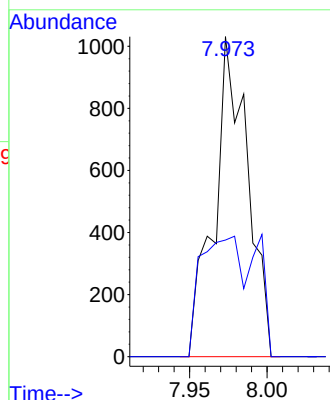
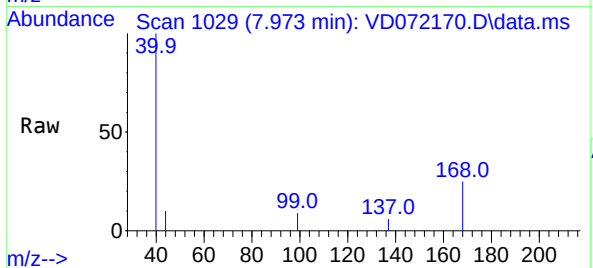




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD072170.D  
Acq: 14 Mar 2022 16:30

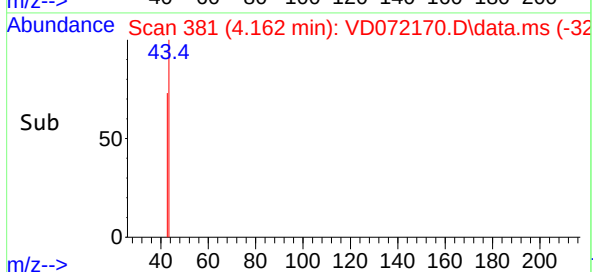
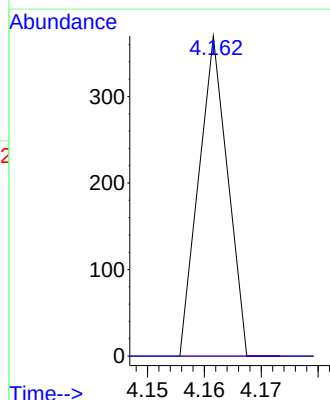
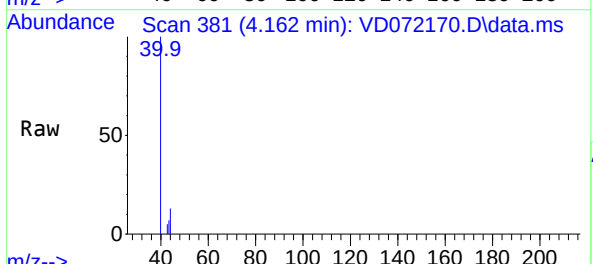
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUM-38

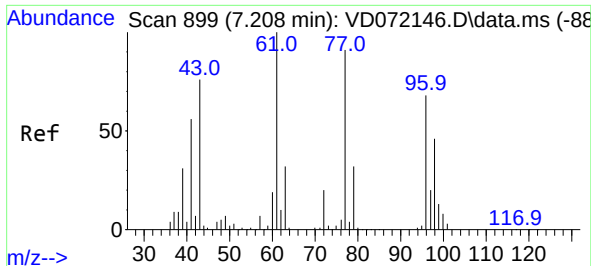
Tgt Ion:168 Resp: 1548  
Ion Ratio Lower Upper  
168 100  
99 36.5 49.8 74.6#



#16  
Acetone  
Concen: 34.974 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD072170.D  
Acq: 14 Mar 2022 16:30

Tgt Ion: 43 Resp: 131  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.1 33.1#

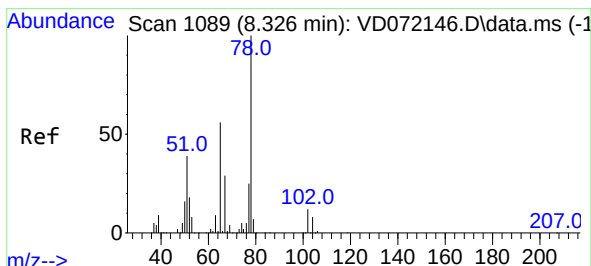
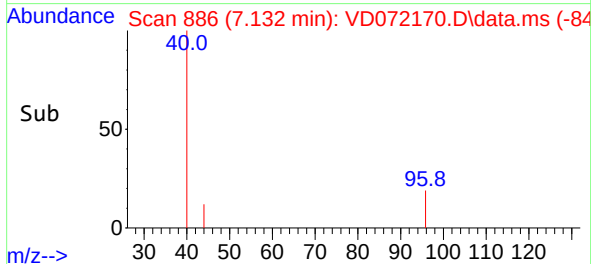
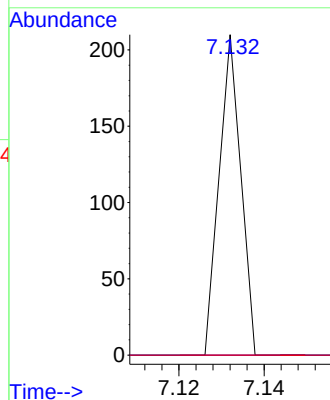
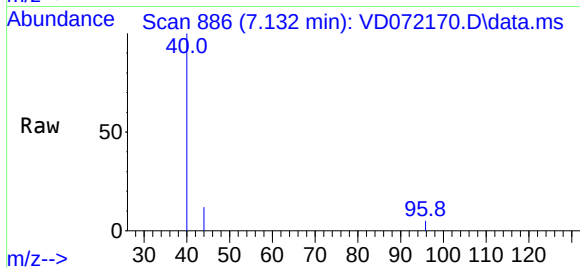




#27  
 cis-1,2-Dichloroethene  
 Concen: 3.683 ug/l  
 RT: 7.132 min Scan# 81  
 Delta R.T. -0.077 min  
 Lab File: VD072170.D  
 Acq: 14 Mar 2022 16:30

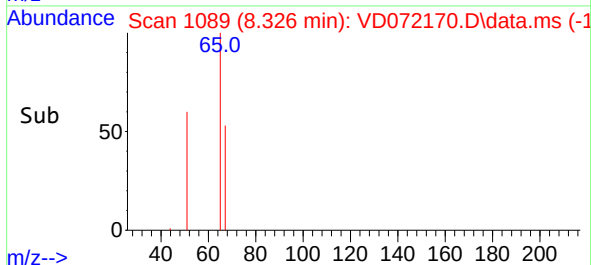
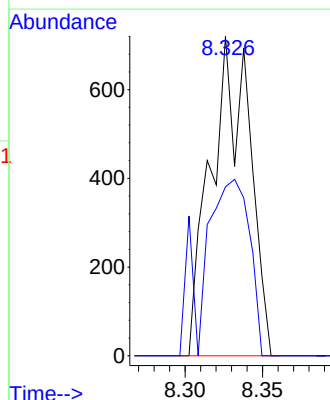
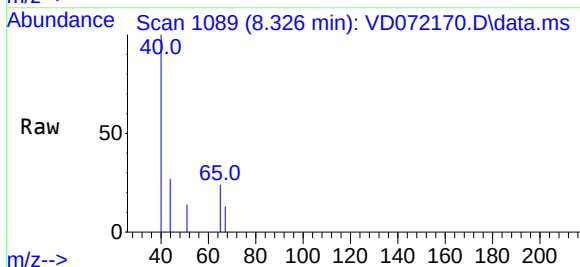
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUM-38

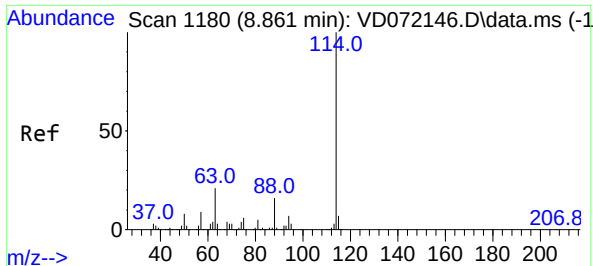
|             |       |       |
|-------------|-------|-------|
| Tgt Ion: 96 | Resp: | 74    |
| Ion Ratio   | Lower | Upper |
| 96 100      |       |       |
| 61 0.0      | 0.0   | 313.8 |
| 98 0.0      | 0.0   | 128.8 |



#33  
 1,2-Dichloroethane-d4  
 Concen: 72.515 ug/l  
 RT: 8.326 min Scan# 1089  
 Delta R.T. -0.000 min  
 Lab File: VD072170.D  
 Acq: 14 Mar 2022 16:30

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 65 | Resp: | 1251  |       |
| Ion         | Ratio | Lower | Upper |
| 65          | 100   |       |       |
| 67          | 65.2  | 0.0   | 101.4 |

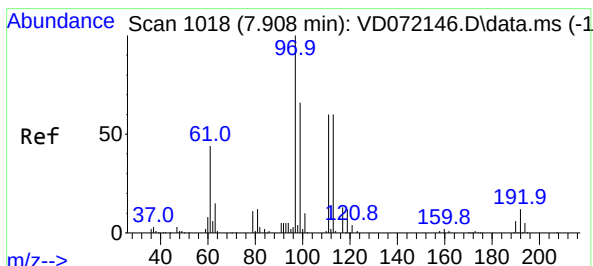
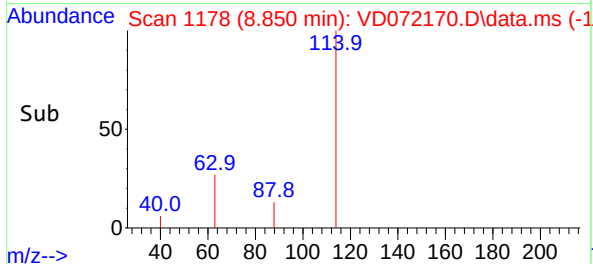
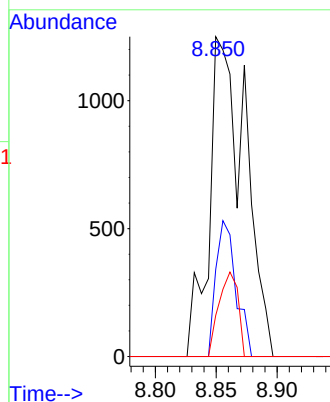
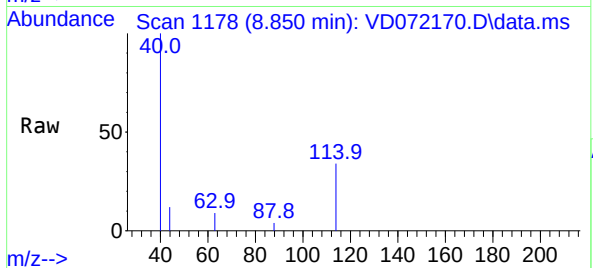




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.850 min Scan# 1180  
Delta R.T. -0.012 min  
Lab File: VD072170.D  
Acq: 14 Mar 2022 16:30

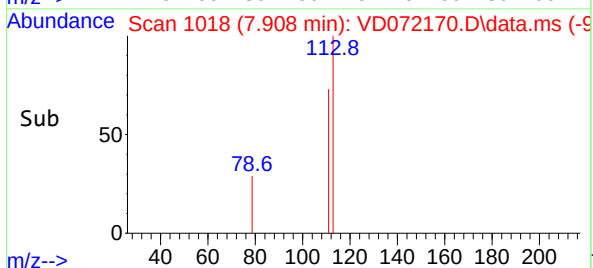
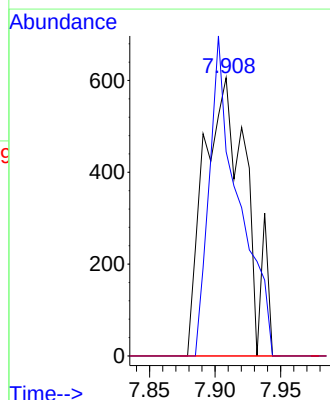
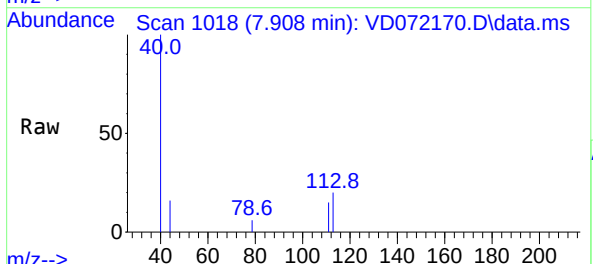
Instrument :  
MSVOA\_D  
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DUM-38

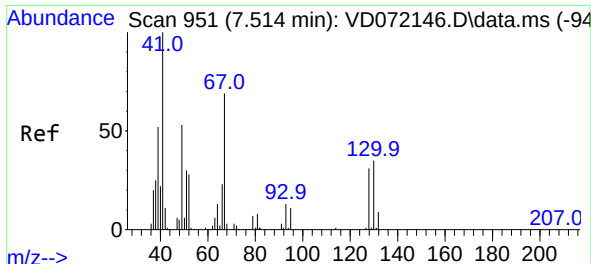
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 2564  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 27.2  | 0.0   | 46.6  |
| 88       | 12.9  | 0.0   | 33.2  |



#35  
Dibromofluoromethane  
Concen: 75.763 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.000 min  
Lab File: VD072170.D  
Acq: 14 Mar 2022 16:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 1367   |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 78.9  | 83.8  | 125.6# |
| 192      | 0.0   | 14.6  | 21.8#  |

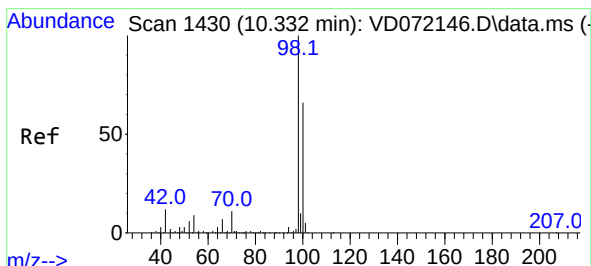
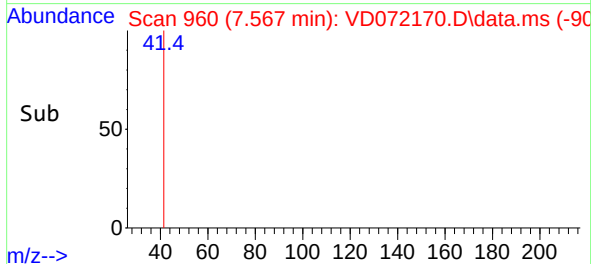
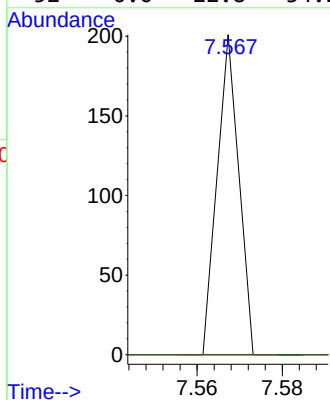
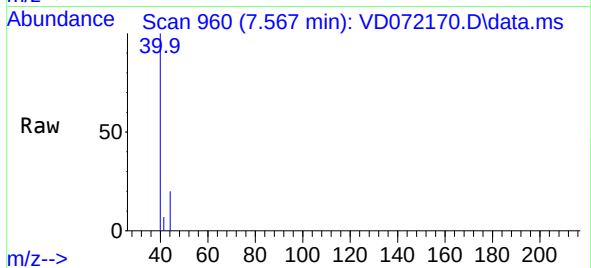




#41  
Methacrylonitrile  
Concen: 10.986 ug/l  
RT: 7.567 min Scan# 91  
Delta R.T. 0.053 min  
Lab File: VD072170.D  
Acq: 14 Mar 2022 16:30

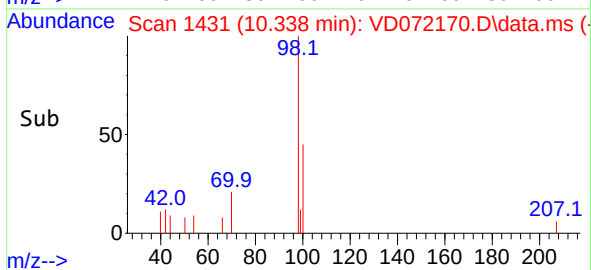
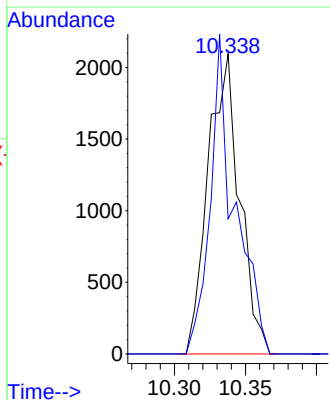
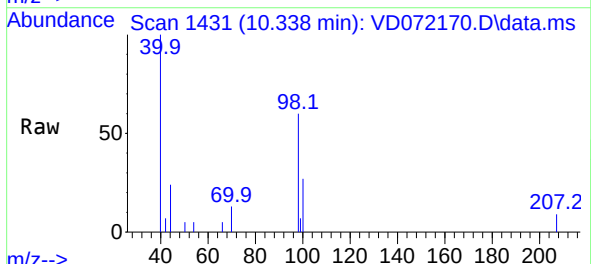
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUM-38

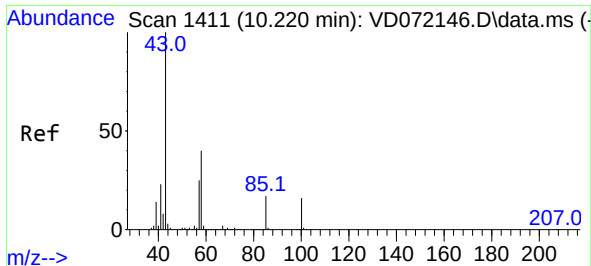
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 71    |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 0.0      | 44.6 67.0#  |
| 67 0.0      | 48.2 72.4#  |
| 52 0.0      | 22.8 34.2#  |



#50  
Toluene-d8  
Concen: 48.988 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD072170.D  
Acq: 14 Mar 2022 16:30

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 98 | Resp: 3232 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 98 100      |            |       |  |
| 100 82.5    | 52.4       | 78.6# |  |

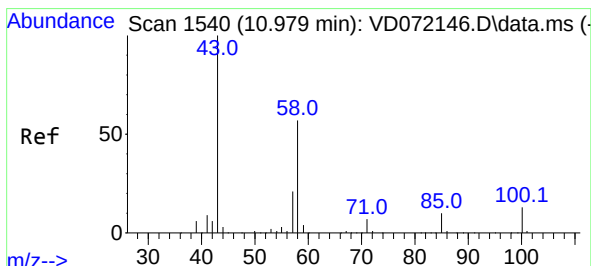
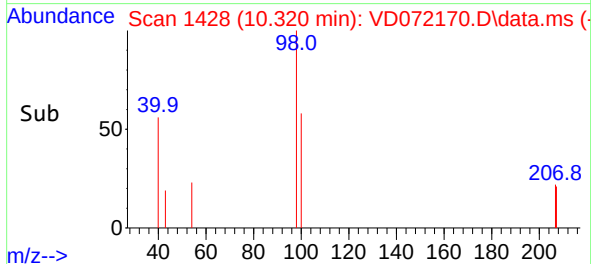
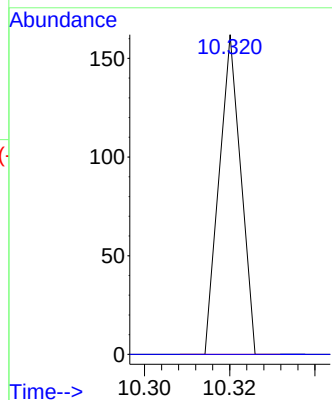
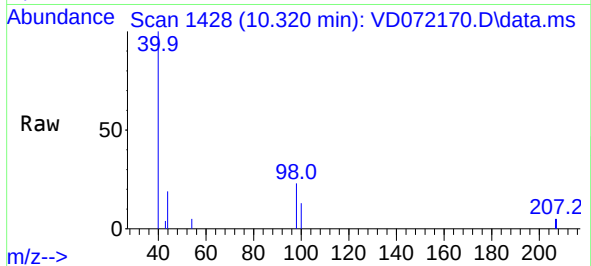




#51  
4-Methyl-2-Pentanone  
Concen: 5.043 ug/l  
RT: 10.320 min Scan# 1411  
Delta R.T. 0.100 min  
Lab File: VD072170.D  
Acq: 14 Mar 2022 16:30

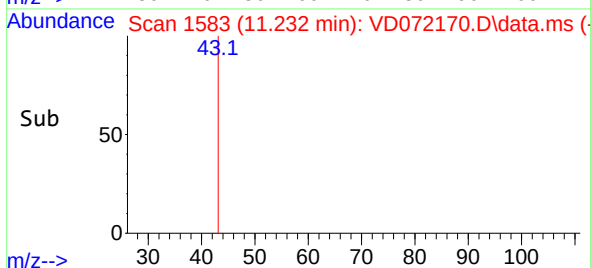
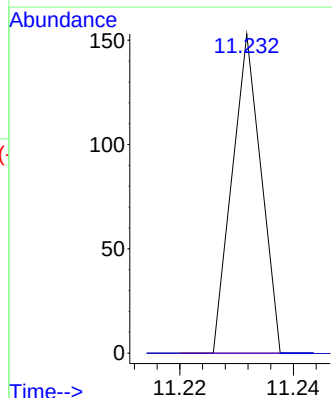
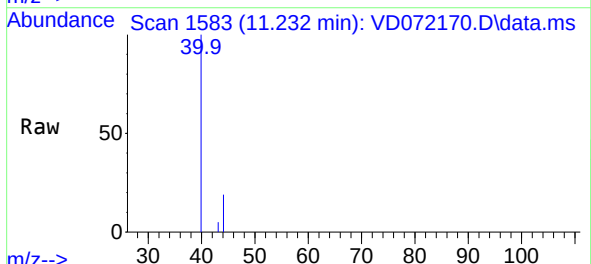
Instrument :  
MSVOA\_D  
ClientSampleId :  
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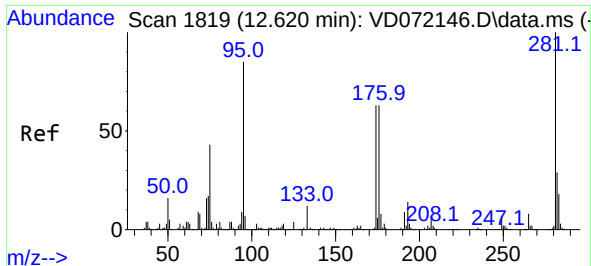
Tgt Ion: 43 Resp: 57  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.6 43.0#



#59  
2-Hexanone  
Concen: 6.917 ug/l  
RT: 11.232 min Scan# 1583  
Delta R.T. 0.253 min  
Lab File: VD072170.D  
Acq: 14 Mar 2022 16:30

Tgt Ion: 43 Resp: 54  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.3 75.9#





#62

4-Bromofluorobenzene

Concen: 28.555 ug/l

RT: 12.632 min Scan# 11

Delta R.T. 0.012 min

Lab File: VD072170.D

Acq: 14 Mar 2022 16:30

Instrument :

MSVOA\_D

ClientSampleId :

DUM-38

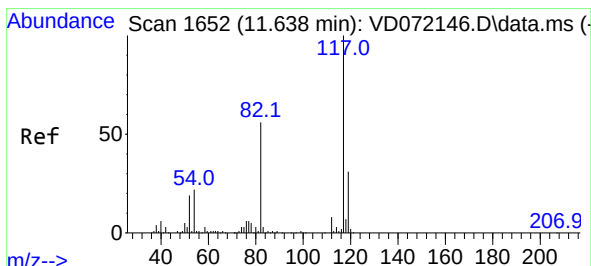
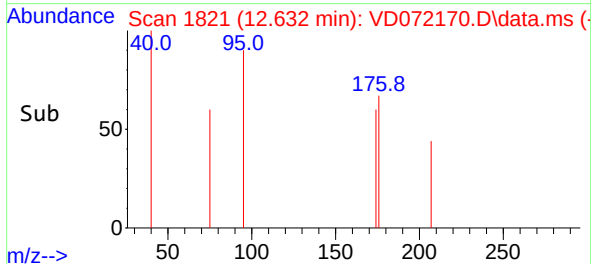
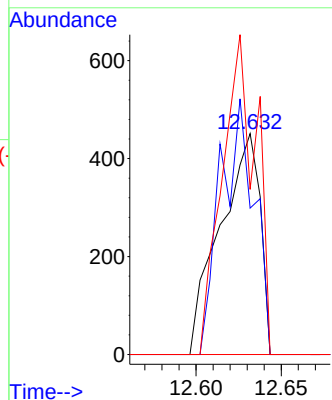
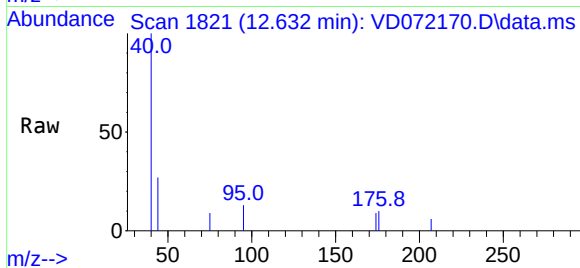
Tgt Ion: 95 Resp: 732

Ion Ratio Lower Upper

95 100

174 97.5 0.0 152.8

176 122.4 0.0 145.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1652

Delta R.T. -0.000 min

Lab File: VD072170.D

Acq: 14 Mar 2022 16:30

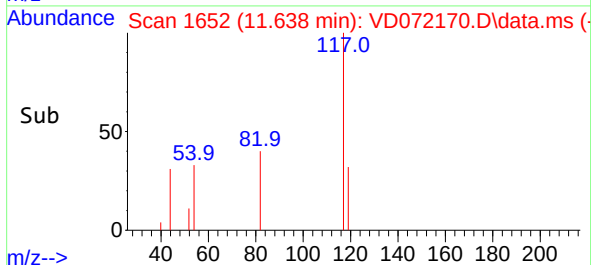
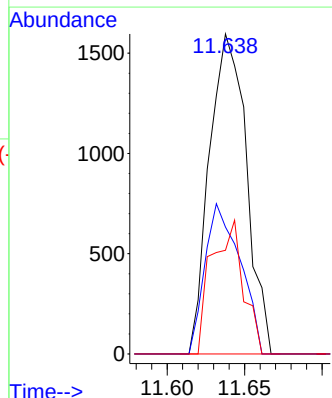
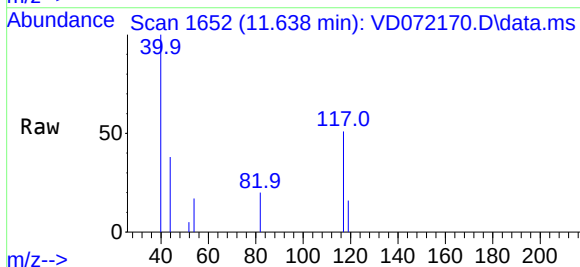
Tgt Ion: 117 Resp: 2650

Ion Ratio Lower Upper

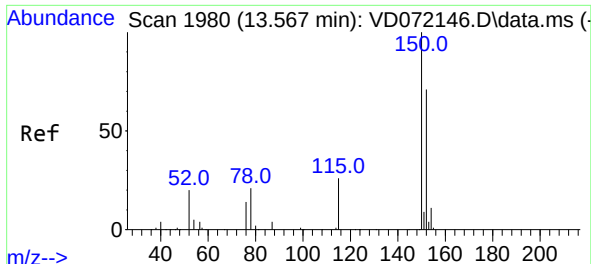
117 100

82 39.7 45.3 67.9#

119 32.4 26.6 40.0



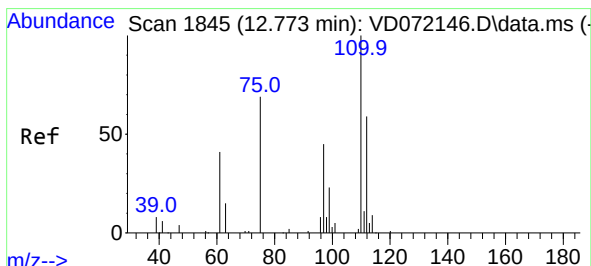
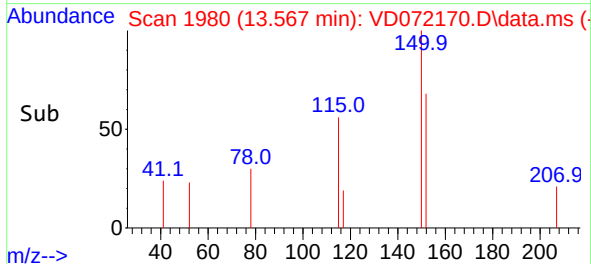
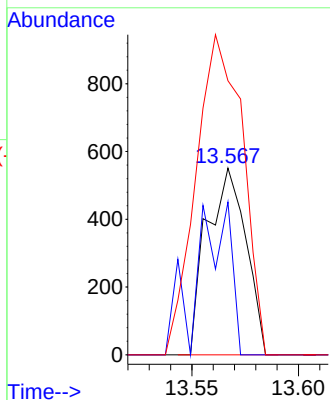
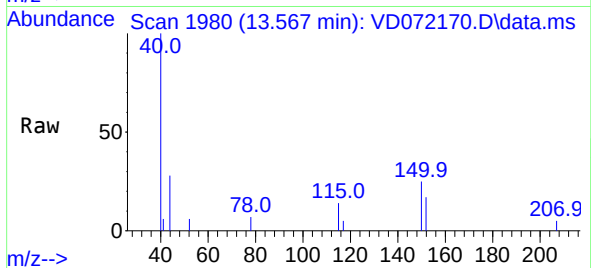




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD072170.D  
Acq: 14 Mar 2022 16:30

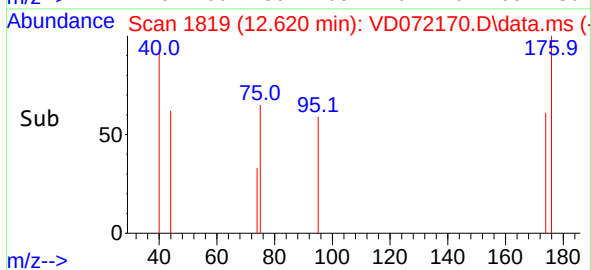
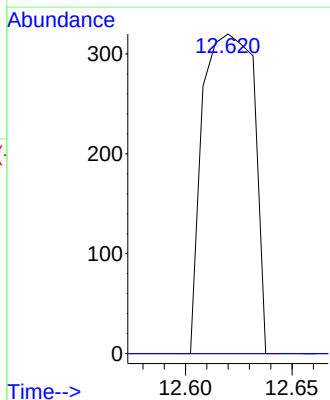
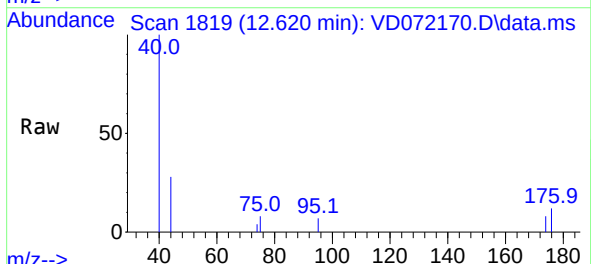
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUM-38

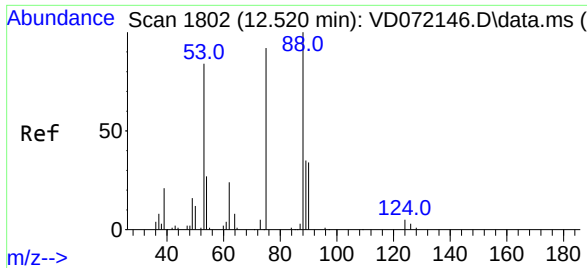
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 703   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 71.7  | 31.3  | 93.8  |
| 150      | 205.1 | 0.0   | 348.6 |



#76  
1,2,3-Trichloropropane  
Concen: 68.603 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.153 min  
Lab File: VD072170.D  
Acq: 14 Mar 2022 16:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 532   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 170.212 ug/l  
 RT: 12.620 min Scan# 1802  
 Delta R.T. 0.100 min  
 Lab File: VD072170.D  
 Acq: 14 Mar 2022 16:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUM-38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 532    |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 86.5  | 129.7# |
| 89       | 0.0   | 33.9  | 50.9#  |

