

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091521\  
 Data File : VD070371.D  
 Acq On : 15 Sep 2021 11:58  
 Operator : VA/SY  
 Sample : M3724-01RE  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Sep 16 02:39:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 09 03:07:09 2021  
 Response via : Initial Calibration

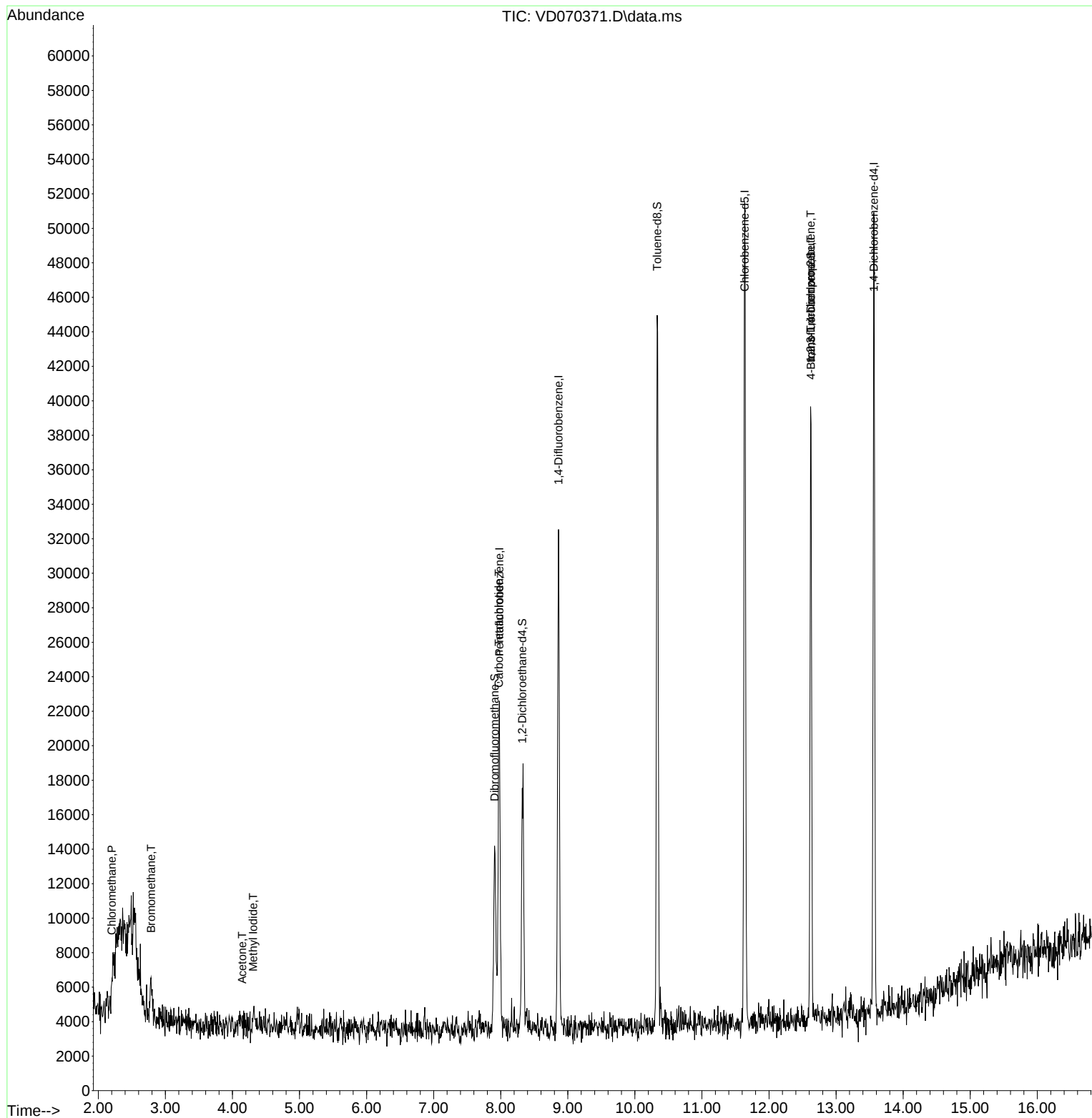
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 12939               | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 23856               | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 28682               | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 12067               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.320          | 65   | 11918               | 71.735    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 143.460% |           |        |          |
| 35) Dibromofluoromethane      | 7.909          | 113  | 8126                | 47.853    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 95.700%  |           |        |          |
| 50) Toluene-d8                | 10.332         | 98   | 29703               | 48.177    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 96.360%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.626         | 95   | 12399               | 57.543    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 115.080% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.991          | 85   | 80                  | Below Cal | #      | 43       |
| 3) Chloromethane              | 2.203          | 50   | 956                 | 1.540     | ug/l # | 42       |
| 5) Bromomethane               | 2.785          | 94   | 1709                | 9.621     | ug/l   | 87       |
| 6) Chloroethane               | 3.044          | 64   | 56                  | Below Cal | #      | 43       |
| 10) Methyl Iodide             | 4.309          | 142  | 732                 | 5.506     | ug/l # | 75       |
| 16) Acetone                   | 4.144          | 43   | 147                 | 4.956     | ug/l # | 36       |
| 18) Methyl Acetate            | 4.662          | 43   | 61                  | Below Cal | #      | 48       |
| 20) Methylene Chloride        | 4.962          | 84   | 475                 | Below Cal | #      | 45       |
| 38) Carbon Tetrachloride      | 7.973          | 117  | 1433                | 5.682     | ug/l # | 12       |
| 76) 1,2,3-Trichloropropane    | 12.620         | 75   | 5929                | 48.575    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.620         | 75   | 5929                | 121.709   | ug/l # | 17       |
| -----                         |                |      |                     |           |        |          |

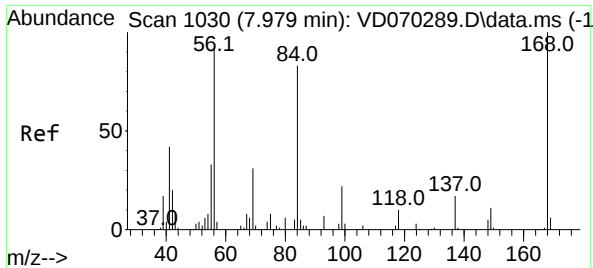
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091521\  
Data File : VD070371.D  
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Sample : M3724-01RE  
Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Sep 16 02:39:45 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 09 03:07:09 2021  
Response via : Initial Calibration

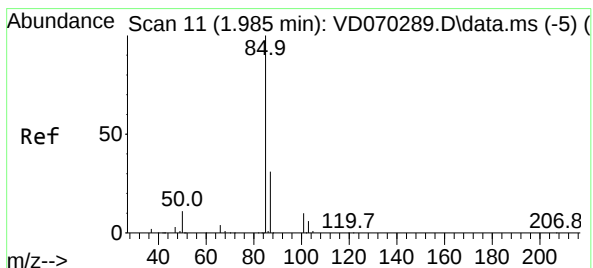
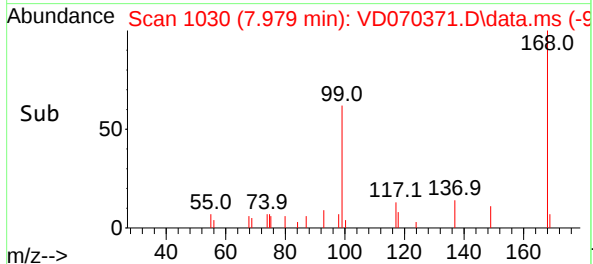
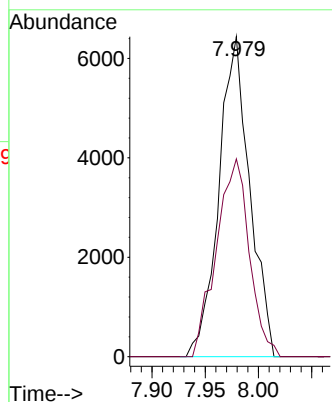
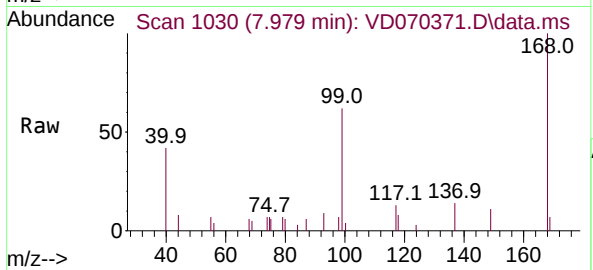




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

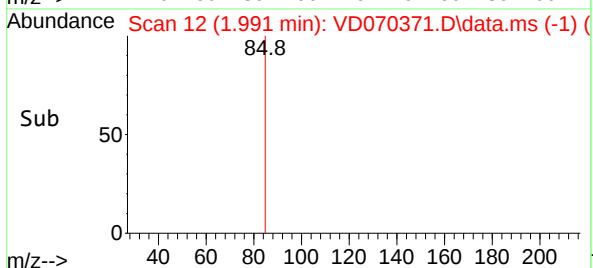
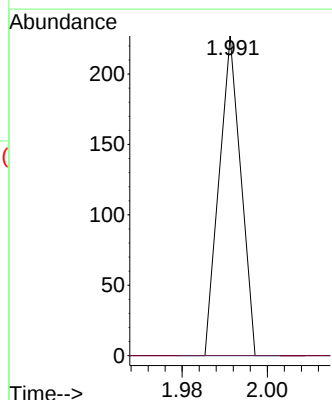
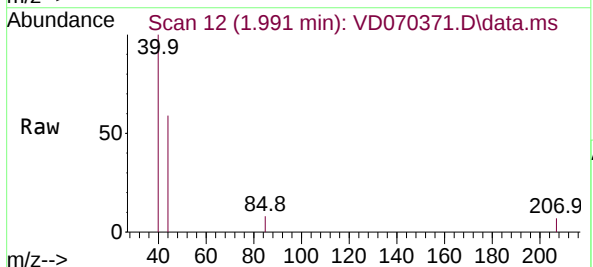
Instrument :  
MSVOA\_D  
ClientSampleId :

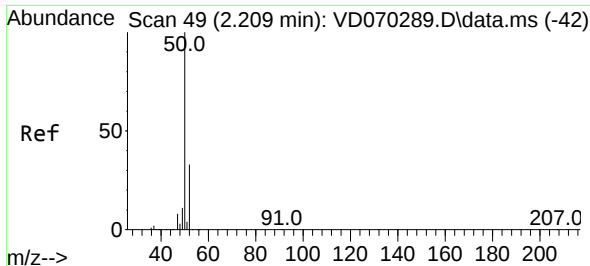
Tgt Ion:168 Resp: 12939  
Ion Ratio Lower Upper  
168 100  
99 61.8 50.8 76.2



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.991 min Scan# 12  
Delta R.T. 0.006 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

Tgt Ion: 85 Resp: 80  
Ion Ratio Lower Upper  
85 100  
87 0.0 15.6 46.8#

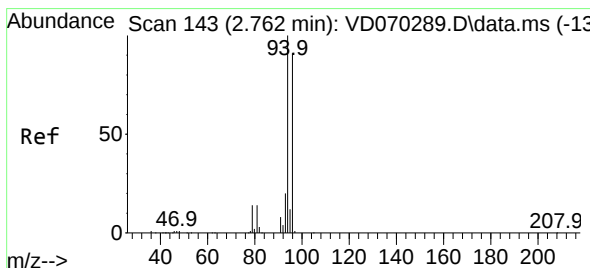
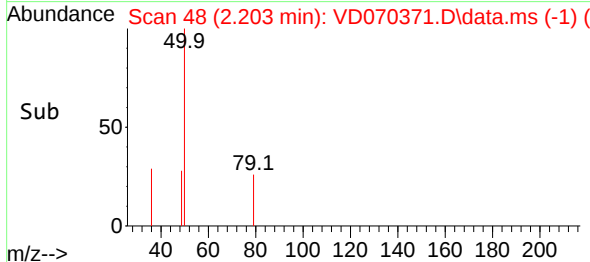
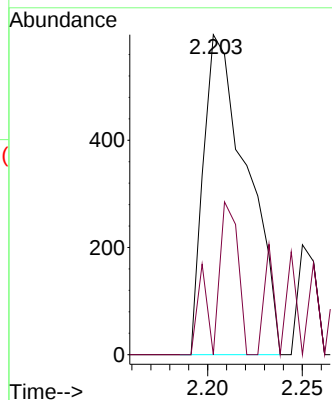
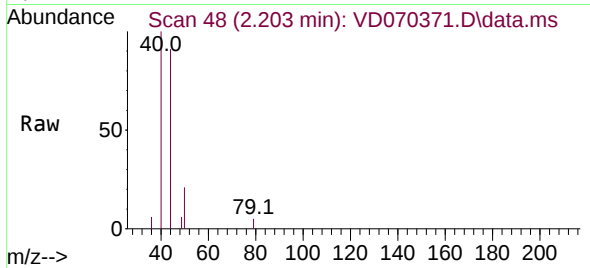




#3  
Chloromethane  
Concen: 1.540 ug/l  
RT: 2.203 min Scan# 48  
Delta R.T. -0.006 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

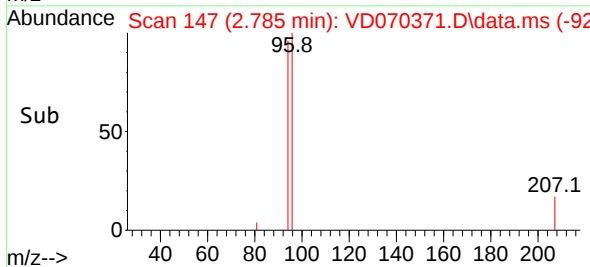
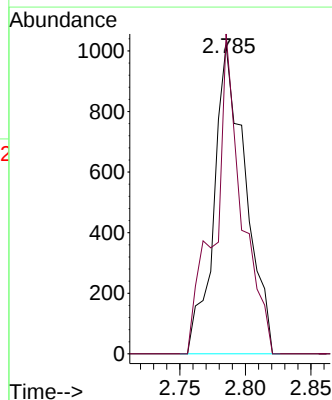
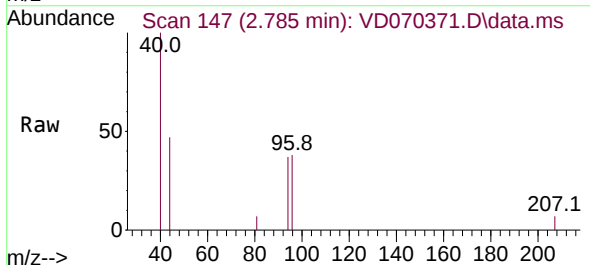
Instrument :  
MSVOA\_D  
ClientSampleId :

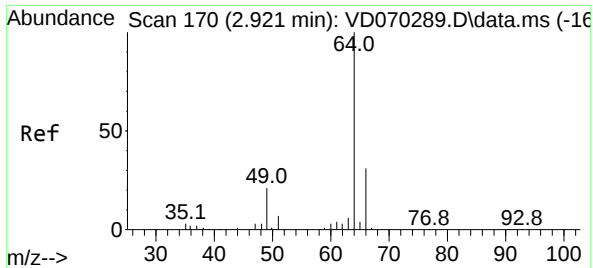
Tgt Ion: 50 Resp: 956  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.2 39.2#



#5  
Bromomethane  
Concen: 9.621 ug/l  
RT: 2.785 min Scan# 147  
Delta R.T. 0.023 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

Tgt Ion: 94 Resp: 1709  
Ion Ratio Lower Upper  
94 100  
96 103.6 73.0 109.6

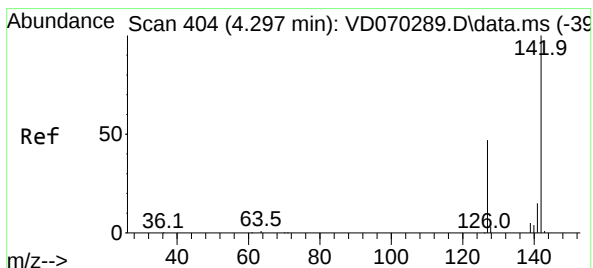
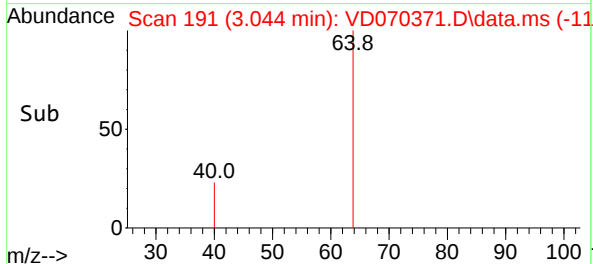
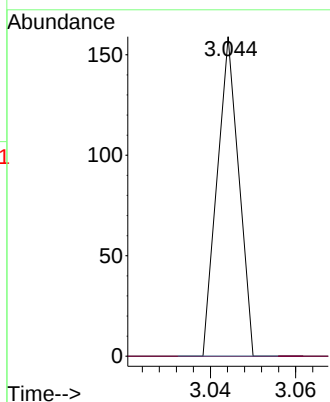
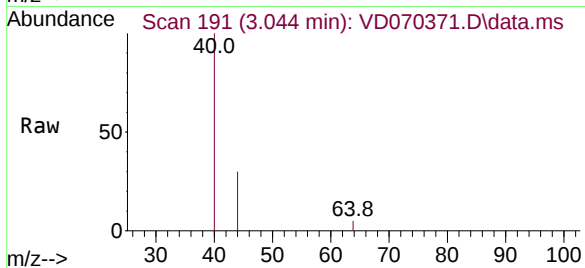




#6  
Chloroethane  
Concen: Below Cal  
RT: 3.044 min Scan# 191  
Delta R.T. 0.123 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

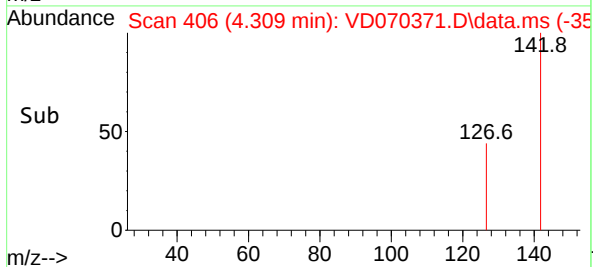
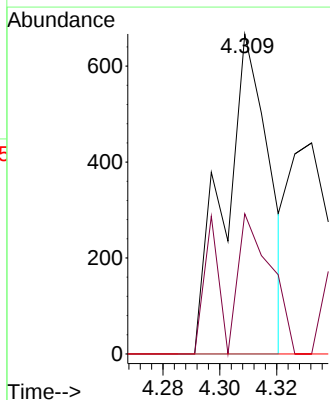
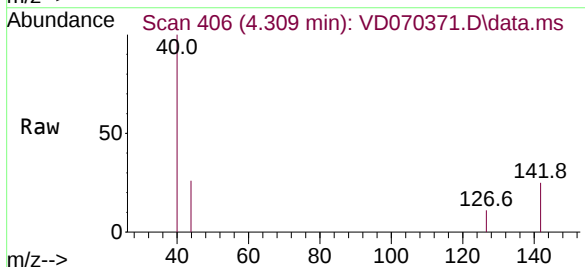
Instrument :  
MSVOA\_D  
ClientSampleId :

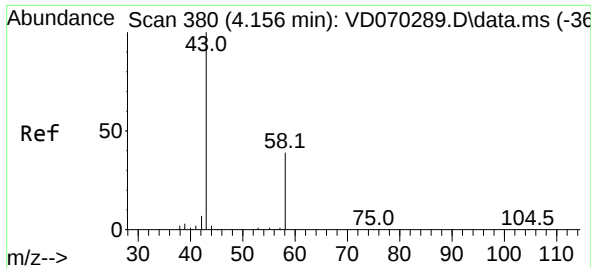
Tgt Ion: 64 Resp: 56  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.0 37.4#



#10  
Methyl Iodide  
Concen: 5.506 ug/l  
RT: 4.309 min Scan# 406  
Delta R.T. 0.012 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

Tgt Ion: 142 Resp: 732  
Ion Ratio Lower Upper  
142 100  
127 32.0 36.9 55.3#  
141 0.0 11.8 17.6#

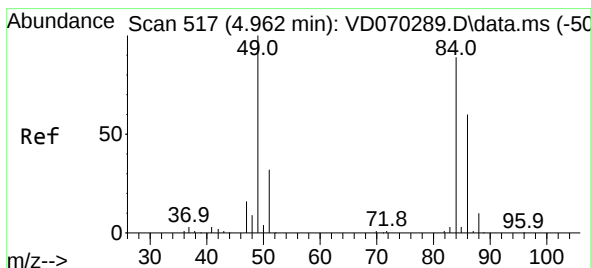
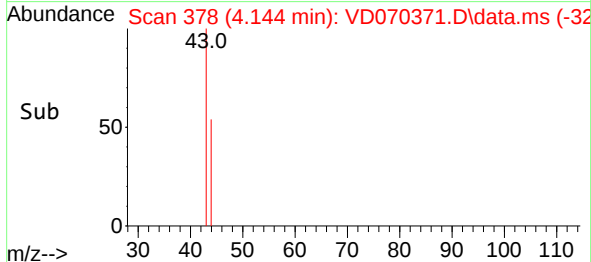
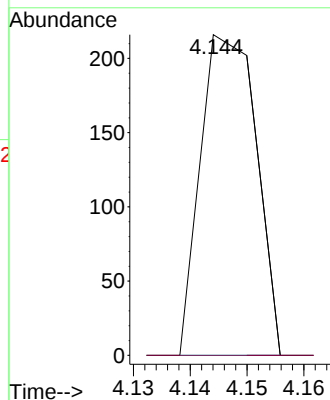
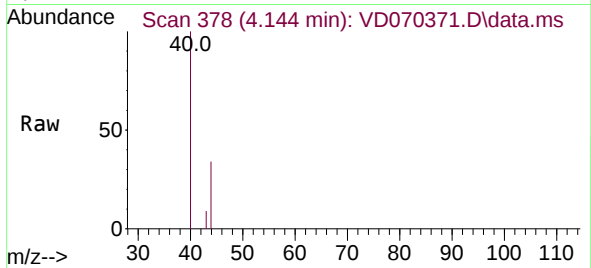




#16  
Acetone  
Concen: 4.956 ug/l  
RT: 4.144 min Scan# 378  
Delta R.T. -0.012 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

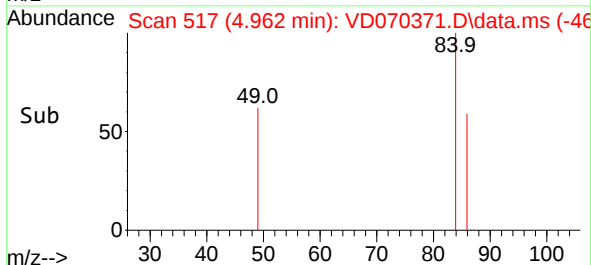
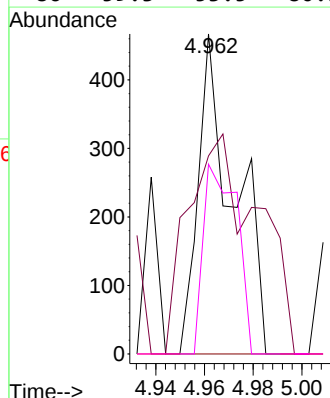
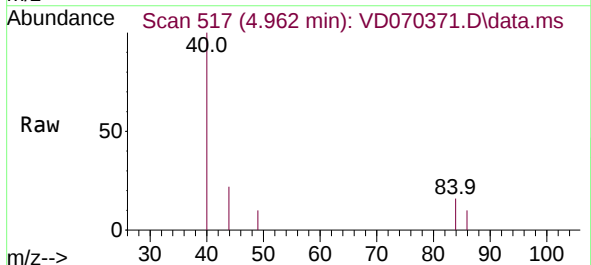
Instrument :  
MSVOA\_D  
ClientSampled :

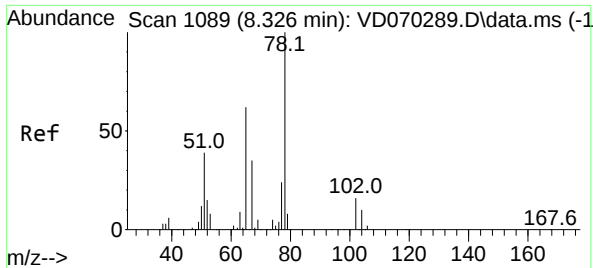
Tgt Ion: 43 Resp: 147  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.9 46.3#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.962 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

Tgt Ion: 84 Resp: 475  
Ion Ratio Lower Upper  
84 100  
49 25.7 89.6 134.4#  
51 0.0 28.6 43.0#  
86 59.3 53.5 80.3

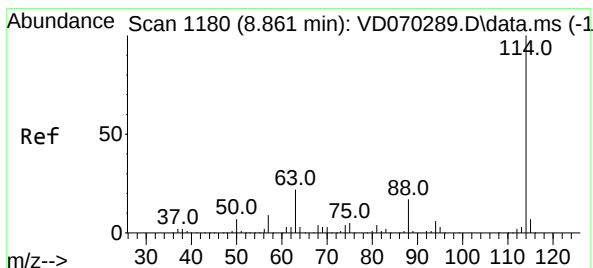
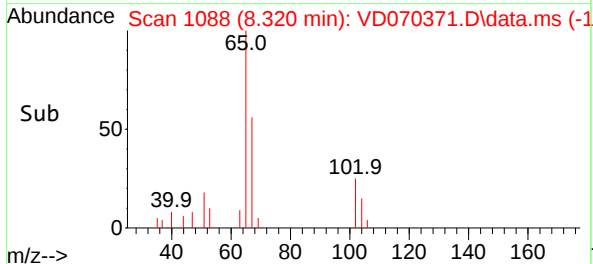
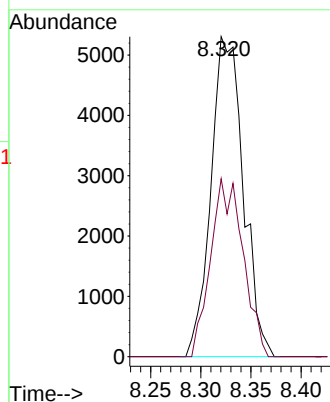
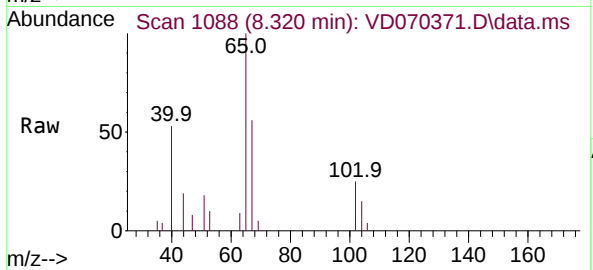




#33  
1,2-Dichloroethane-d4  
Concen: 71.735 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

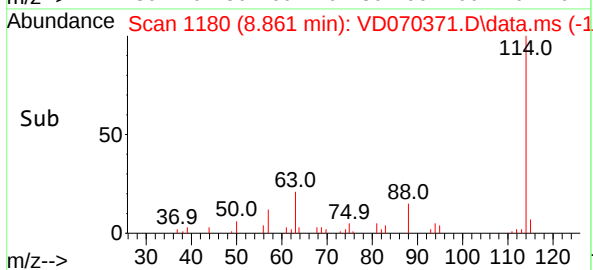
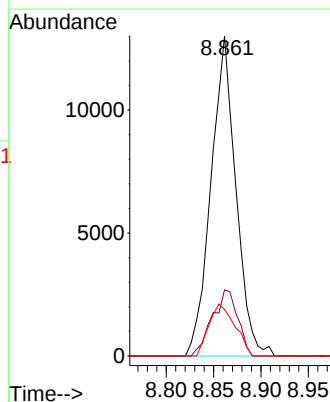
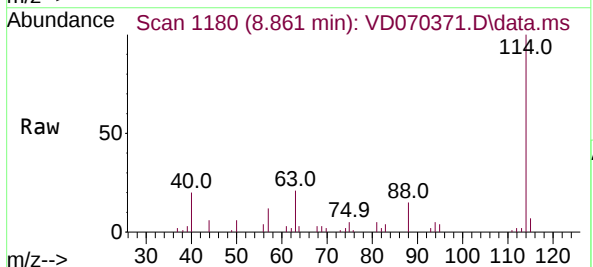
Instrument :  
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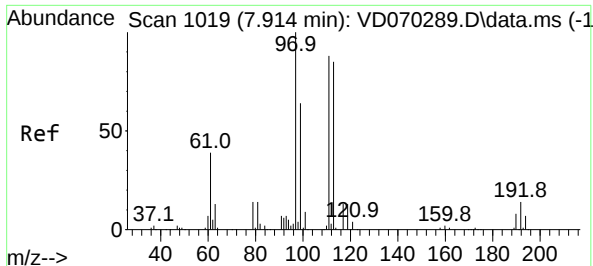
Tgt Ion: 65 Resp: 11918  
Ion Ratio Lower Upper  
65 100  
67 55.6 0.0 111.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

Tgt Ion: 114 Resp: 23856  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 43.4  
88 14.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.853 ug/l

RT: 7.909 min Scan# 1018

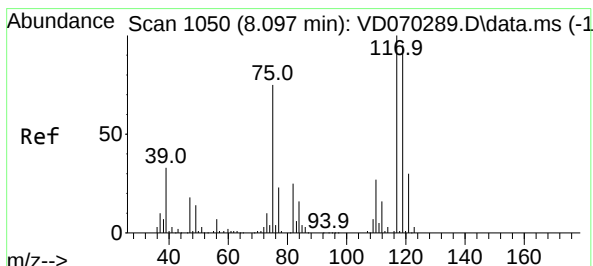
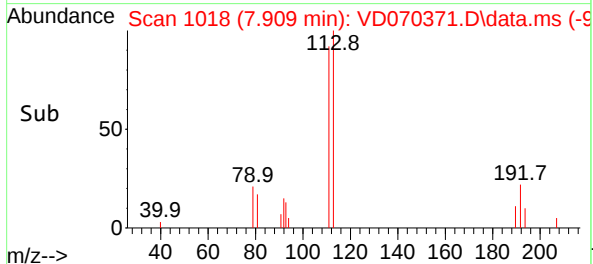
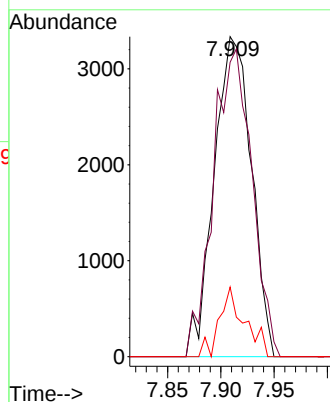
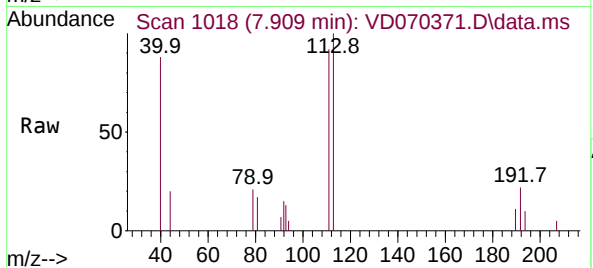
Delta R.T. -0.006 min

Lab File: VD070371.D

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Instrument :  
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ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 8126  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 99.4  | 81.4  | 122.2 |
| 192      | 14.7  | 13.0  | 19.6  |



#38

Carbon Tetrachloride

Concen: 5.682 ug/l

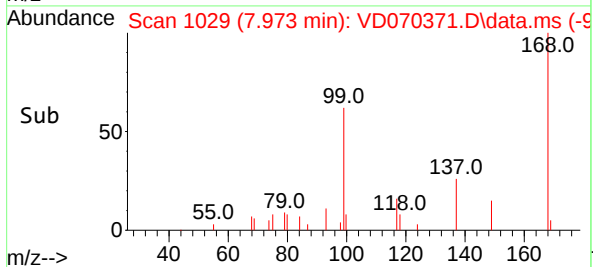
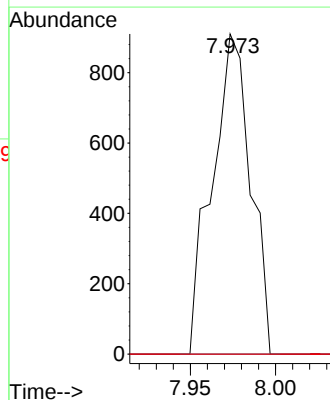
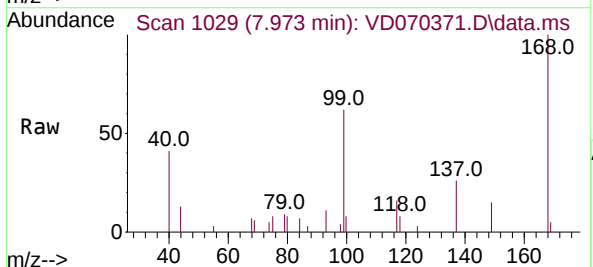
RT: 7.973 min Scan# 1029

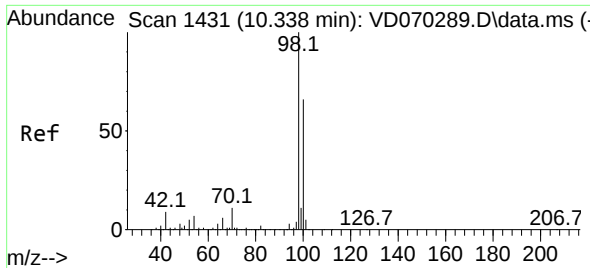
Delta R.T. -0.124 min

Lab File: VD070371.D

Acq: 15 Sep 2021 11:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 1433   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 0.0   | 76.1  | 114.1# |
| 121      | 0.0   | 23.8  | 35.6#  |

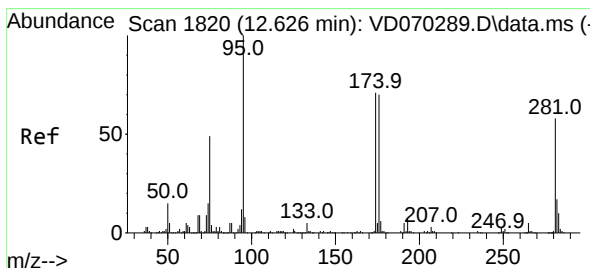
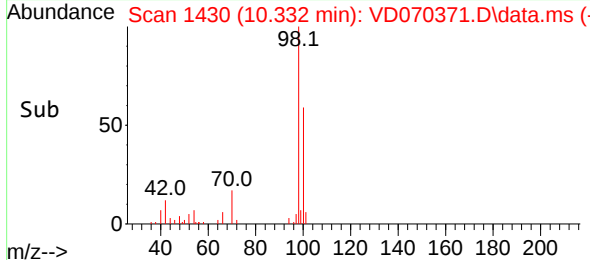
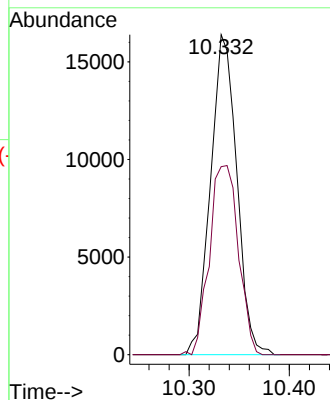
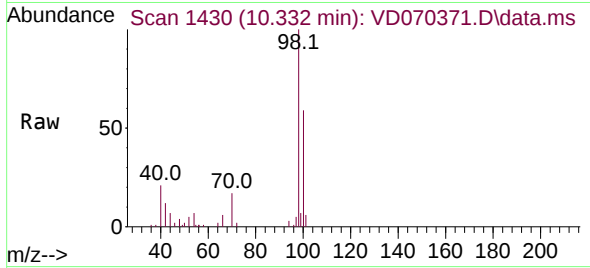




#50  
Toluene-d8  
Concen: 48.177 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

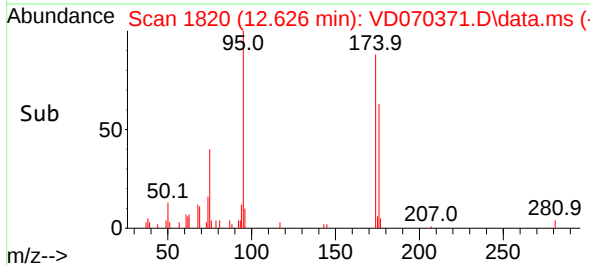
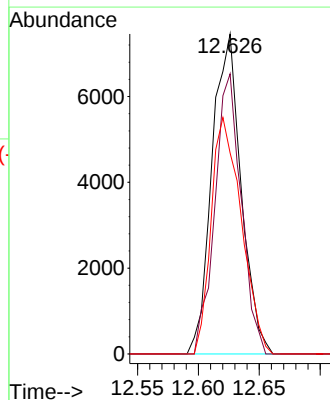
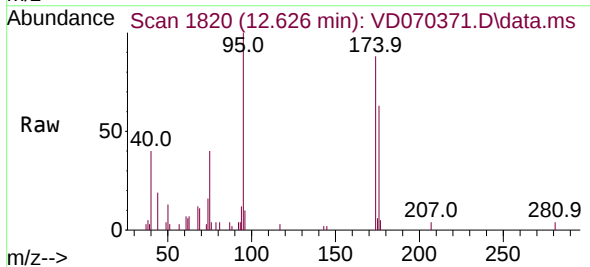
Instrument :  
MSVOA\_D  
ClientSampled :

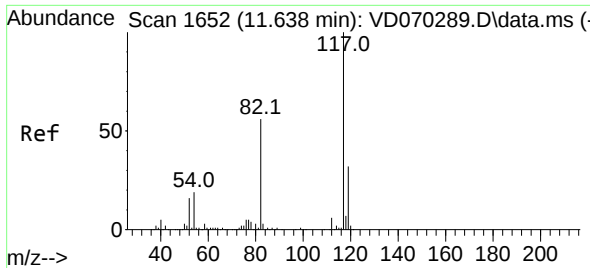
Tgt Ion: 98 Resp: 29703  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 57.543 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

Tgt Ion: 95 Resp: 12399  
Ion Ratio Lower Upper  
95 100  
174 79.4 0.0 140.6  
176 76.5 0.0 137.4

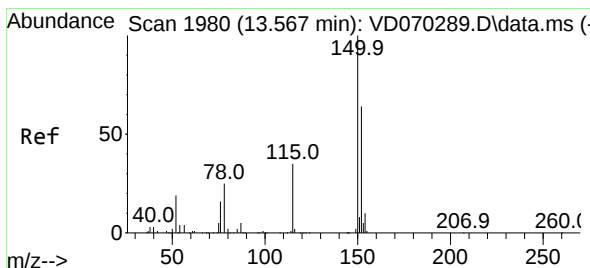
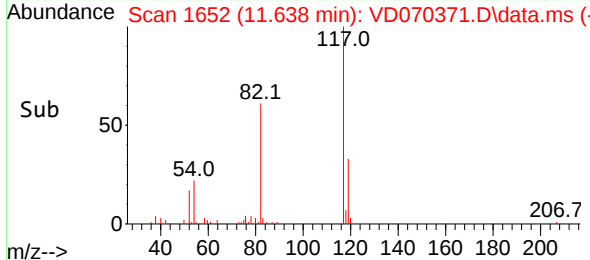
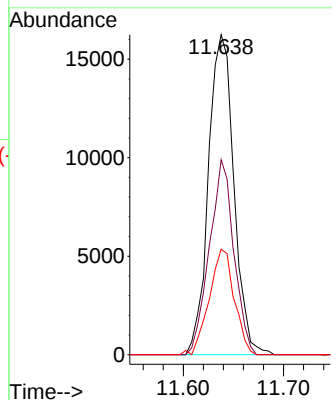
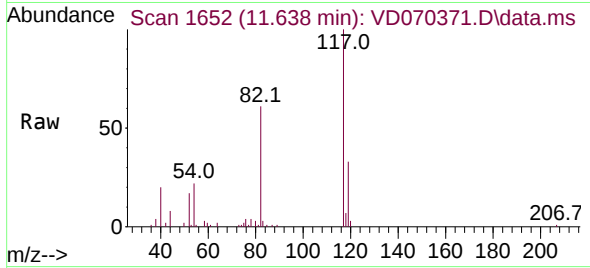




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

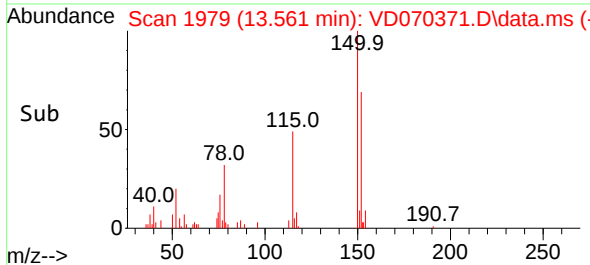
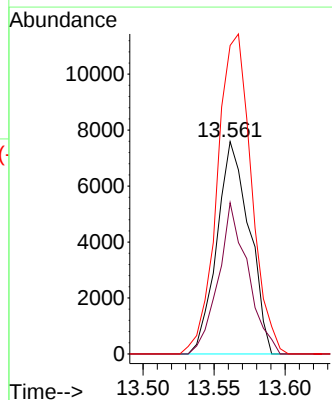
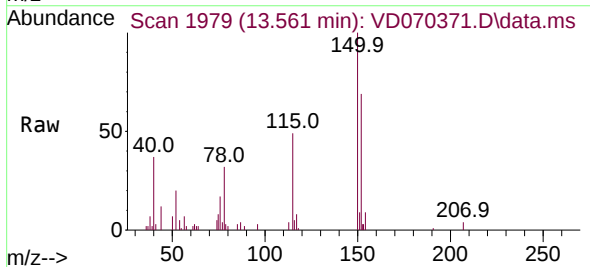
Instrument :  
MSVOA\_D  
ClientSampleId :

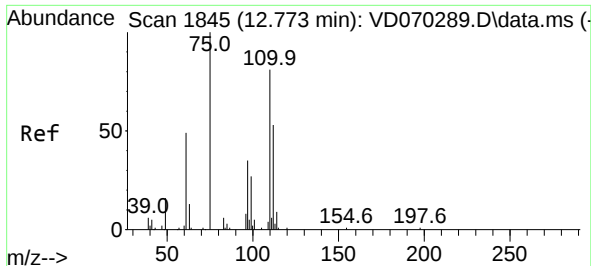
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 28682 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 60.9  | 45.0  | 67.4  |
| 119       | 33.0  | 25.2  | 37.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 12067 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 64.9  | 32.1  | 96.3  |
| 150       | 158.5 | 0.0   | 350.6 |

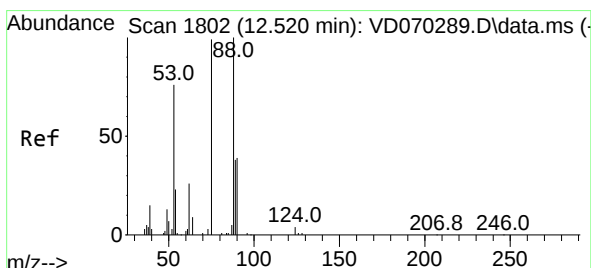
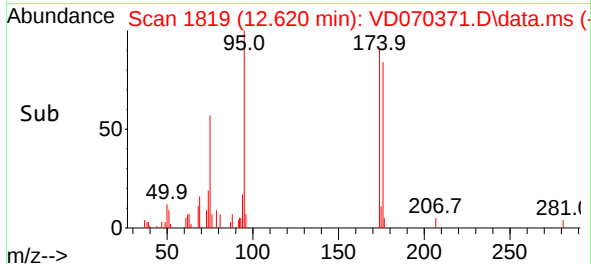
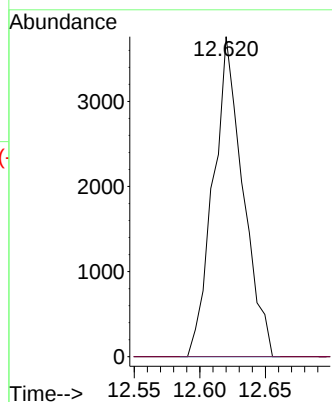
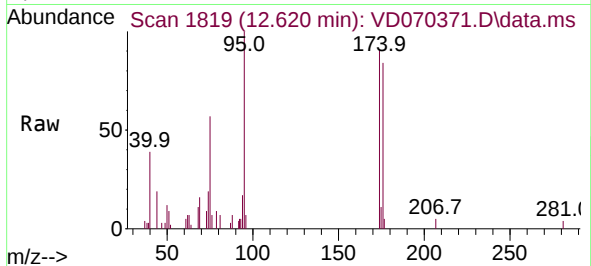




#76  
1,2,3-Trichloropropane  
Concen: 48.575 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.153 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 5929  
Ion Ratio Lower Upper  
75 100  
77 0.0 174.9 524.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 121.709 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.100 min  
Lab File: VD070371.D  
Acq: 15 Sep 2021 11:58

Tgt Ion: 75 Resp: 5929  
Ion Ratio Lower Upper  
75 100  
53 0.0 64.2 96.2#  
89 0.0 35.6 53.4#

