

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030521\  
 Data File : VD068549.D  
 Acq On : 05 Mar 2021 17:49  
 Operator : VA/SY  
 Sample : M1582-08  
 Misc : 4.55G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VEOLIA-72-11991

Quant Time: Mar 05 23:13:55 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 26 14:04:14 2021  
 Response via : Initial Calibration

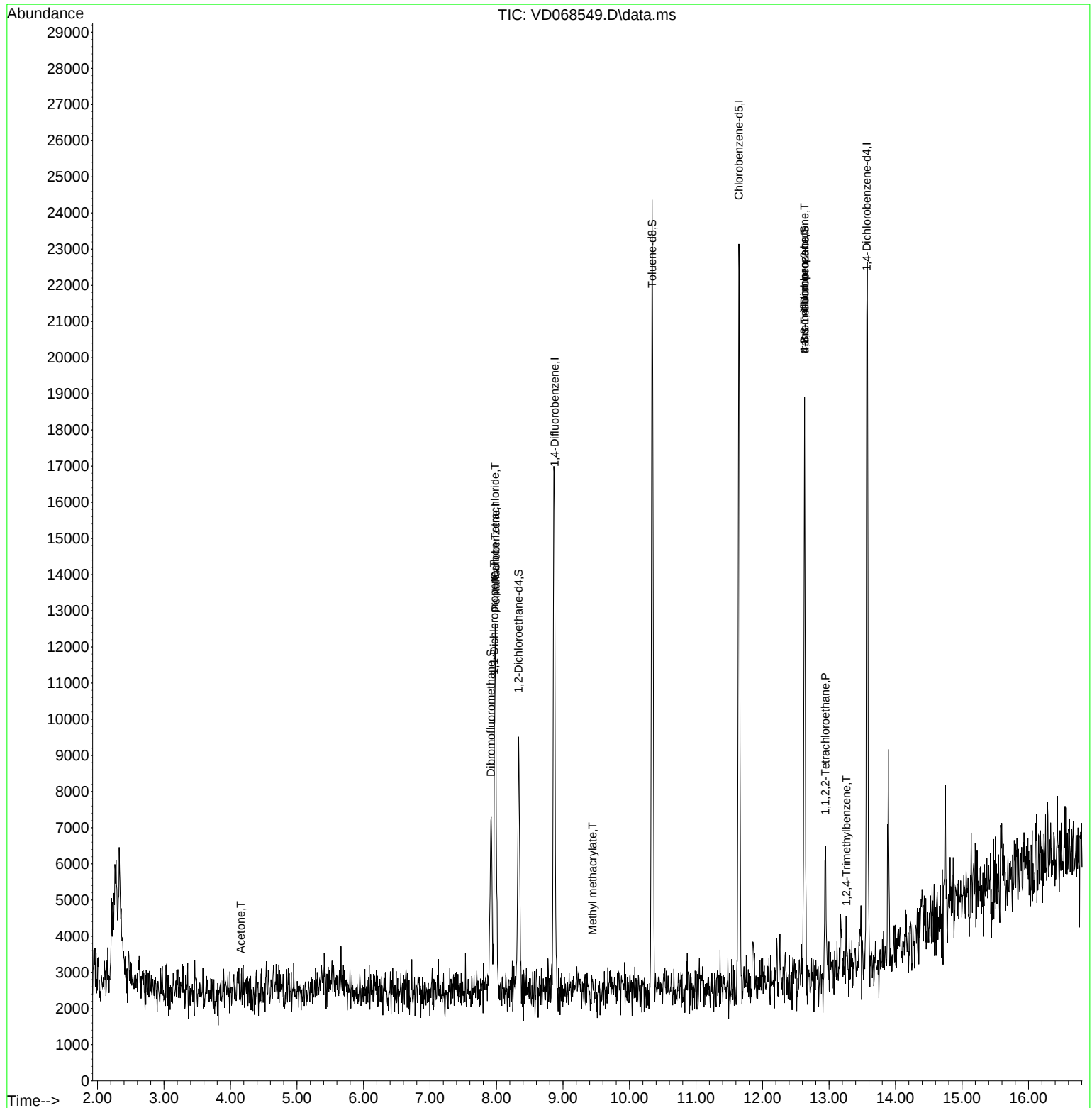
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.985  | 168   | 8516     | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.873  | 114   | 13524    | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.644 | 117   | 12318    | 50.00     | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152   | 6019     | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332  | 65    | 4979     | 58.52     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 117.04%  |
| 35) Dibromofluoromethane      | 7.914  | 113   | 3714     | 45.59     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 91.18%   |
| 50) Toluene-d8                | 10.338 | 98    | 15768    | 48.59     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 97.18%   |
| 62) 4-Bromofluorobenzene      | 12.632 | 95    | 5035     | 48.14     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 96.28%   |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 16) Acetone                   | 4.156  | 43    | 252      | 18.65     | ug/l   | # 44     |
| 20) Methylene Chloride        | 4.962  | 84    | 60       | Below Cal |        | # 14     |
| 36) 1,1-Dichloropropene       | 7.967  | 75    | 323      | 2.51      | ug/l   | # 39     |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 636      | 5.27      | ug/l   | # 12     |
| 48) Methyl methacrylate       | 9.444  | 41    | 55       | 1.32      | ug/l   | # 9      |
| 75) 1,1,2,2-Tetrachloroethane | 12.944 | 83    | 248      | 3.23      | ug/l   | # 81     |
| 76) 1,2,3-Trichloropropane    | 12.632 | 75    | 2249     | 42.09     | ug/l   | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.632 | 75    | 2249     | 98.22     | ug/l   | # 13     |
| 84) 1,2,4-Trimethylbenzene    | 13.261 | 105   | 963      | 2.63      | ug/l   | 84       |
| -----                         |        |       |          |           |        |          |

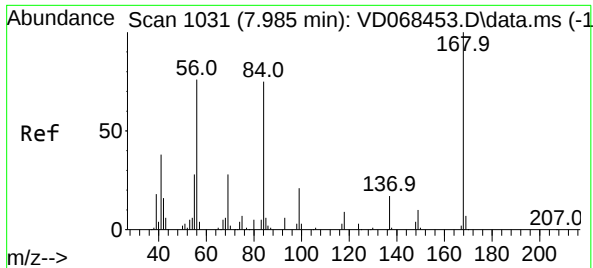
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030521\  
Data File : VD068549.D  
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Sample : M1582-08  
Misc : 4.55G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VEOLIA-72-11991

Quant Time: Mar 05 23:13:55 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 26 14:04:14 2021  
Response via : Initial Calibration

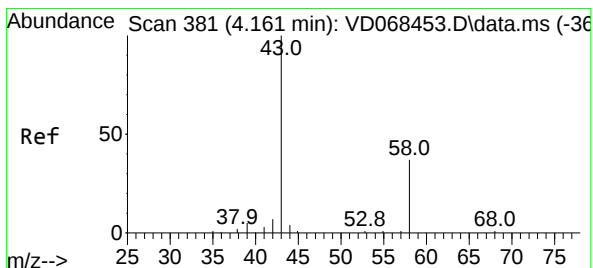
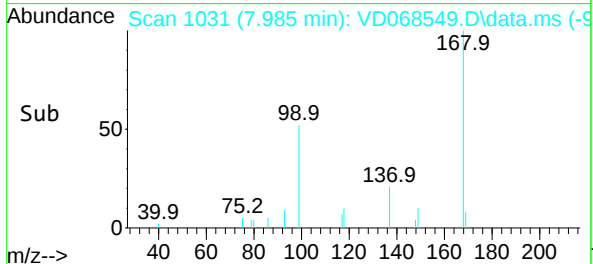
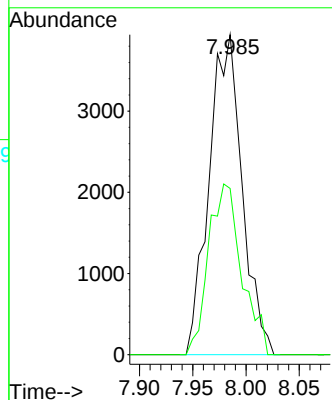
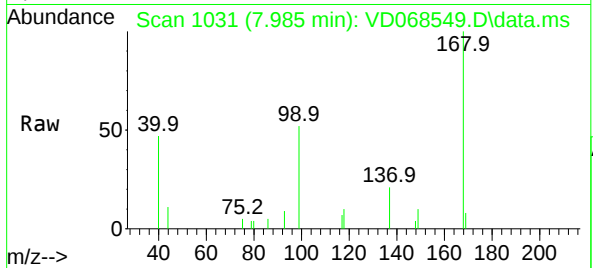




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068549.D  
Acq: 05 Mar 2021 17:49

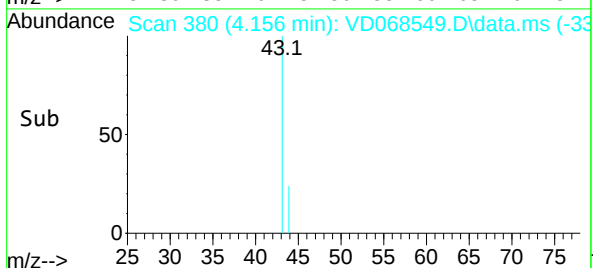
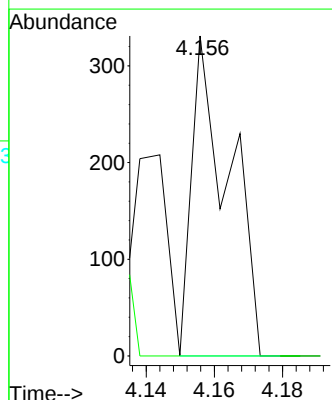
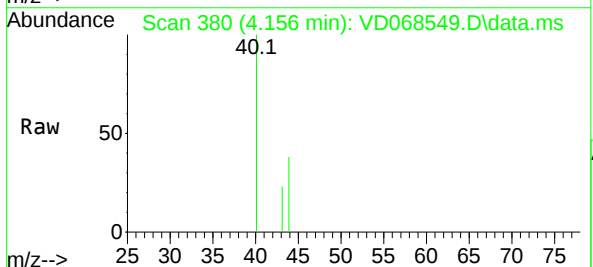
Instrument :  
MSVOA\_D  
ClientSampleId :  
VEOLIA-72-11991

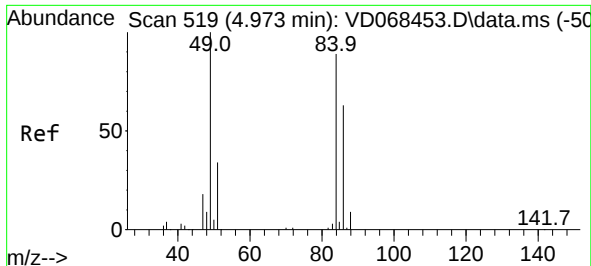
Tgt Ion:168 Resp: 8516  
Ion Ratio Lower Upper  
168 100  
99 52.0 43.5 65.3



#16  
Acetone  
Concen: 18.65 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.005 min  
Lab File: VD068549.D  
Acq: 05 Mar 2021 17:49

Tgt Ion: 43 Resp: 252  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.2 36.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. -0.011 min

Lab File: VD068549.D

Acq: 05 Mar 2021 17:49

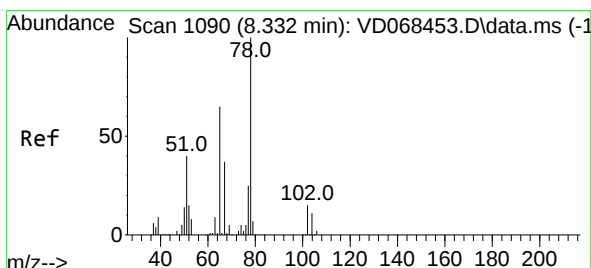
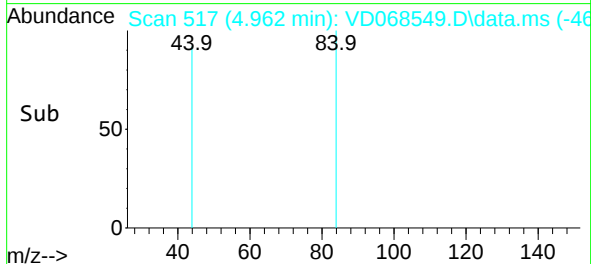
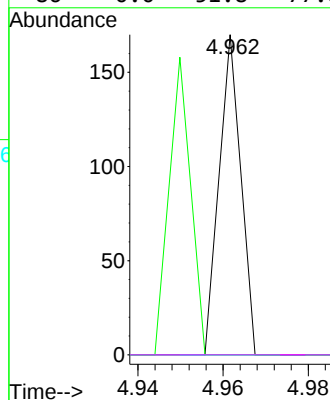
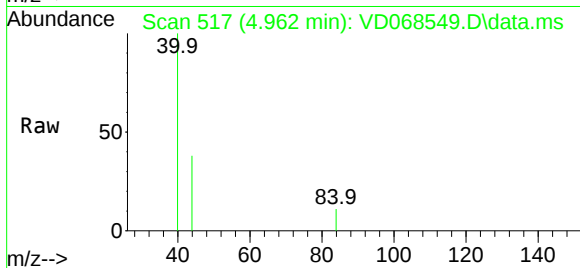
Instrument :

MSVOA\_D

ClientSampleId :

VEOLIA-72-11991

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 60     |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 0.0   | 77.4  | 116.2# |
| 51       | 0.0   | 26.1  | 39.1#  |
| 86       | 0.0   | 51.8  | 77.8#  |



#33

1,2-Dichloroethane-d4

Concen: 58.52 ug/l

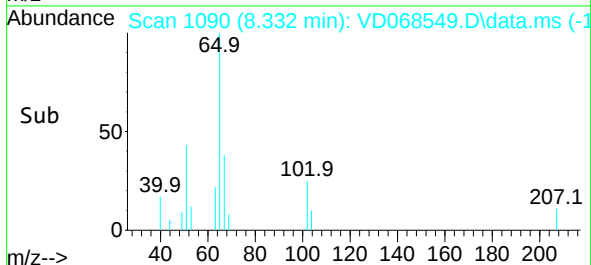
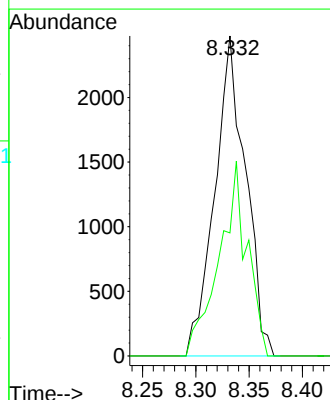
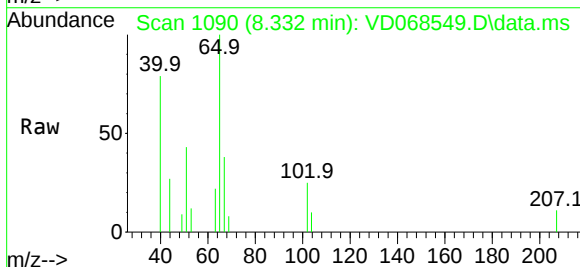
RT: 8.332 min Scan# 1090

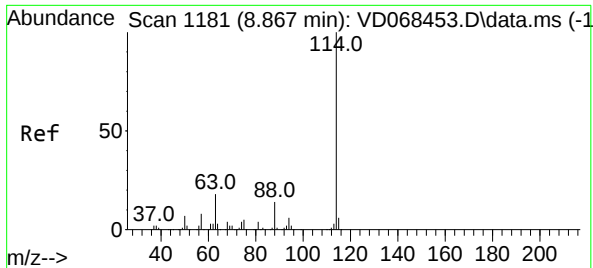
Delta R.T. 0.000 min

Lab File: VD068549.D

Acq: 05 Mar 2021 17:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 4979  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 55.5  | 0.0   | 105.0 |



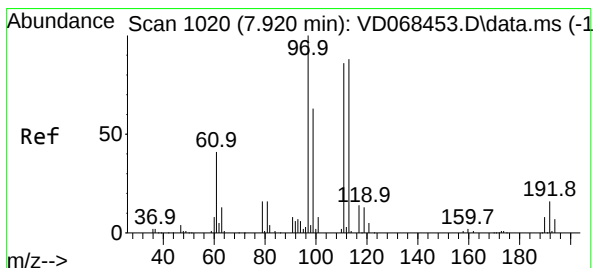
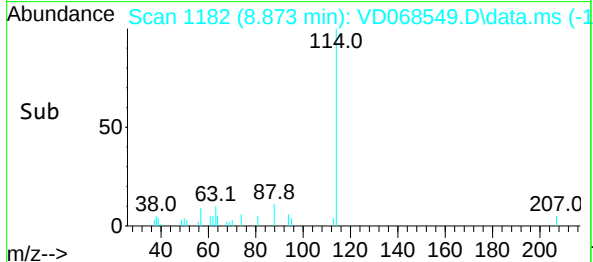
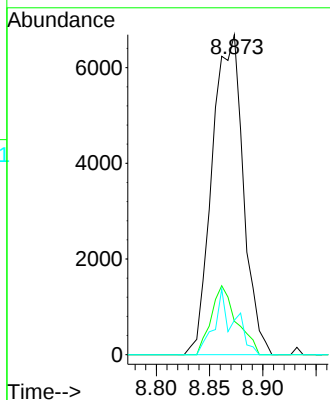
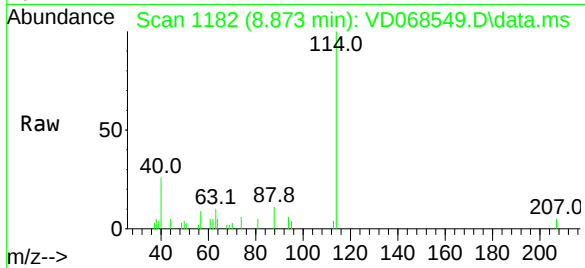


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.873 min Scan# 1182  
Delta R.T. 0.006 min  
Lab File: VD068549.D  
Acq: 05 Mar 2021 17:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VEOLIA-72-11991

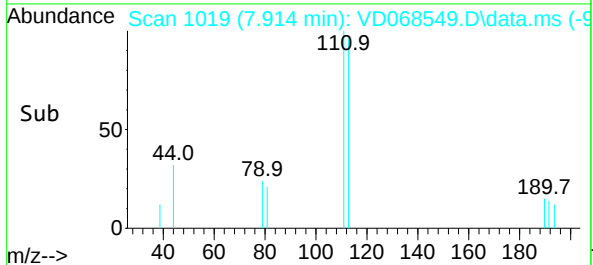
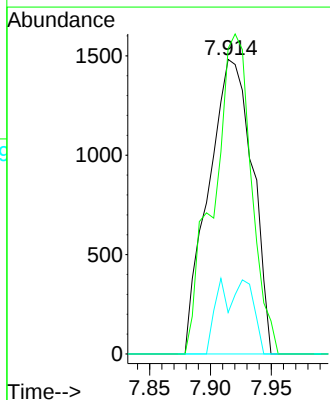
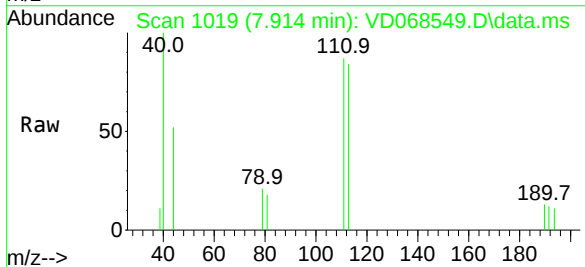
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 13524 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 10.5  | 0.0   | 34.8  |
| 88        | 10.7  | 0.0   | 31.6  |

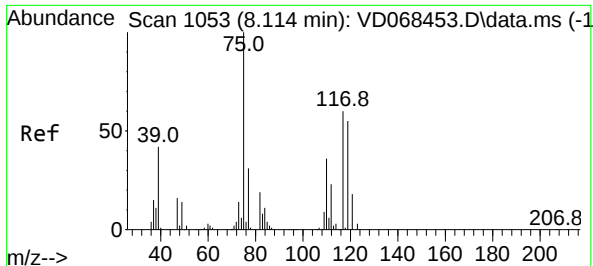


#35

Dibromofluoromethane  
Concen: 45.59 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.005 min  
Lab File: VD068549.D  
Acq: 05 Mar 2021 17:49

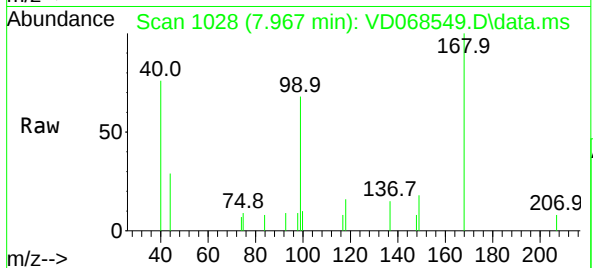
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 3714  |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 94.1  | 81.4  | 122.0 |
| 192       | 11.4  | 16.1  | 24.1  |



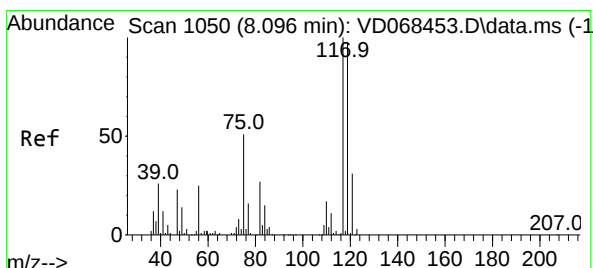
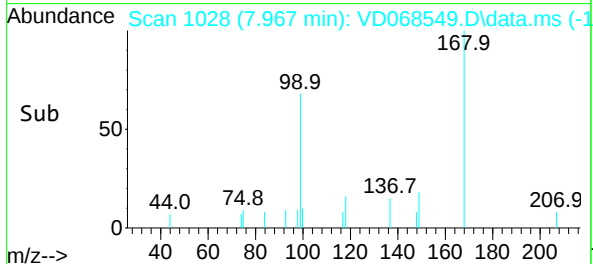
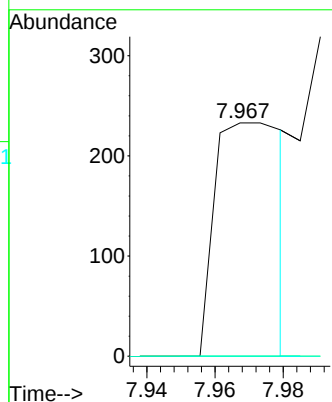


#36  
1,1-Dichloropropene  
Concen: 2.51 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.147 min  
Lab File: VD068549.D  
Acq: 05 Mar 2021 17:49

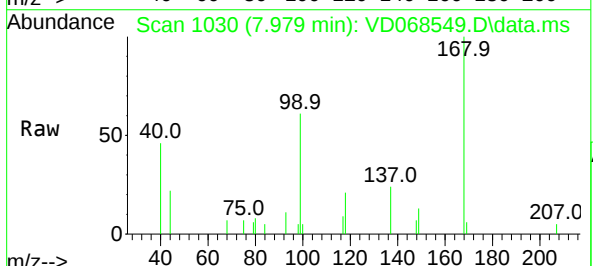
Instrument :  
MSVOA\_D  
ClientSampleId :  
VEOLIA-72-11991



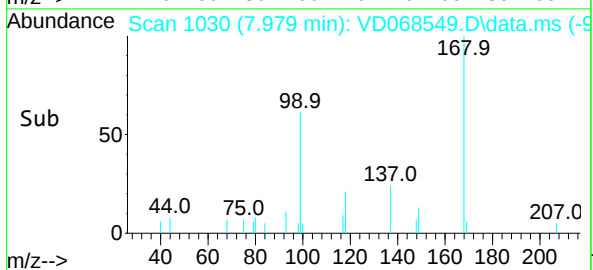
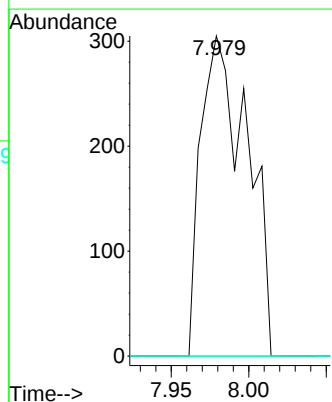
Tgt Ion: 75 Resp: 323  
Ion Ratio Lower Upper  
75 100  
110 0.0 19.4 58.2#  
77 0.0 25.3 37.9#

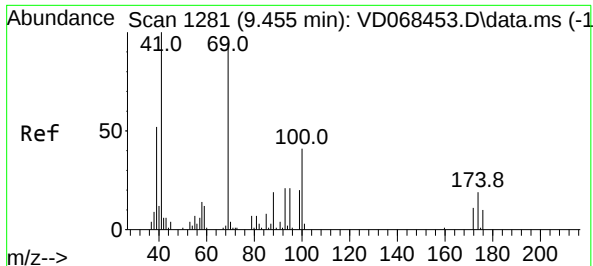


#38  
Carbon Tetrachloride  
Concen: 5.27 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.117 min  
Lab File: VD068549.D  
Acq: 05 Mar 2021 17:49



Tgt Ion: 117 Resp: 636  
Ion Ratio Lower Upper  
117 100  
119 0.0 77.3 115.9#  
121 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 1.32 ug/l

RT: 9.444 min Scan# 1279

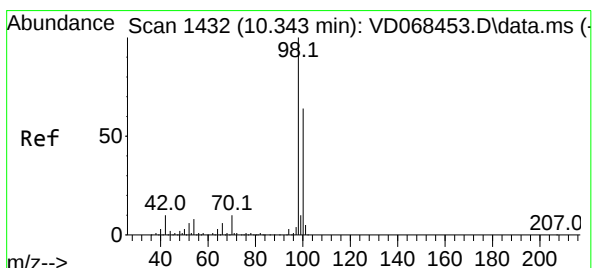
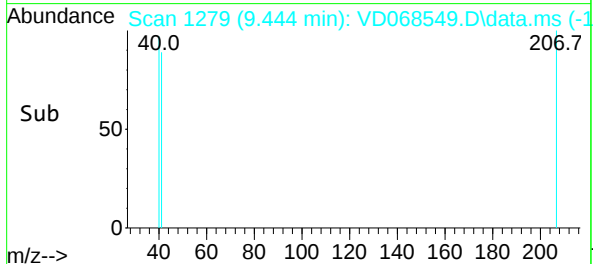
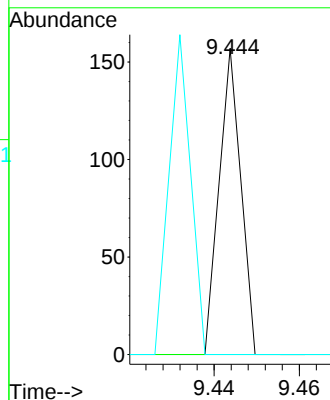
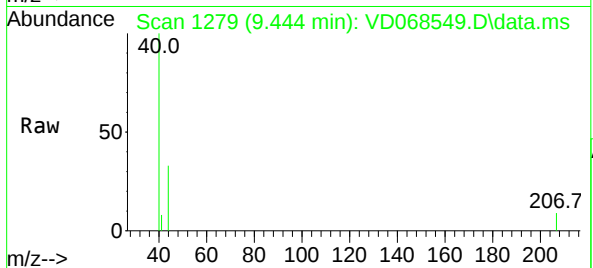
Delta R.T. -0.011 min

Lab File: VD068549.D

Acq: 05 Mar 2021 17:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 55     |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 0.0   | 77.1  | 115.7# |
| 39       | 105.5 | 41.5  | 62.3#  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VEOLIA-72-11991



#50

Toluene-d8

Concen: 48.59 ug/l

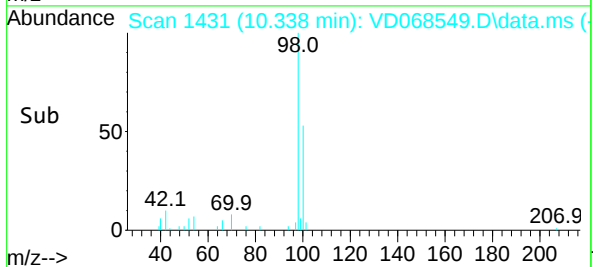
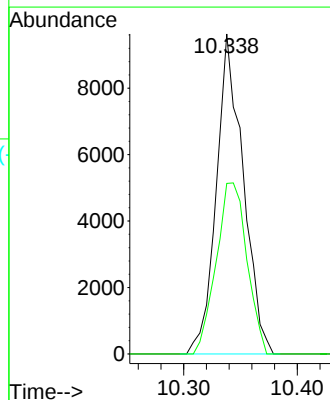
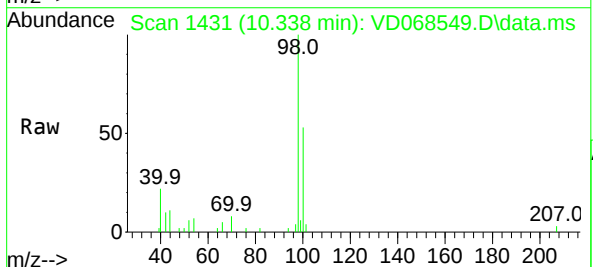
RT: 10.338 min Scan# 1431

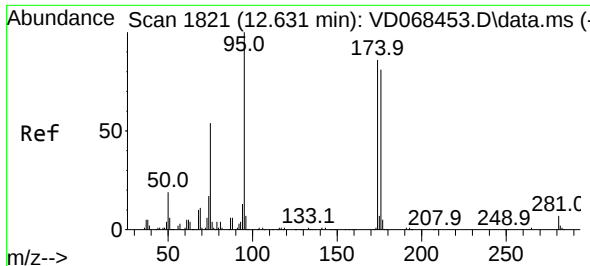
Delta R.T. -0.005 min

Lab File: VD068549.D

Acq: 05 Mar 2021 17:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 15768 |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 61.3  | 53.0  | 79.4  |

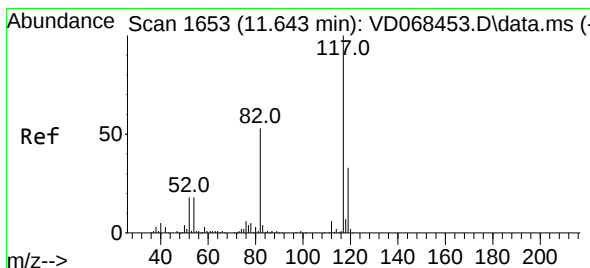
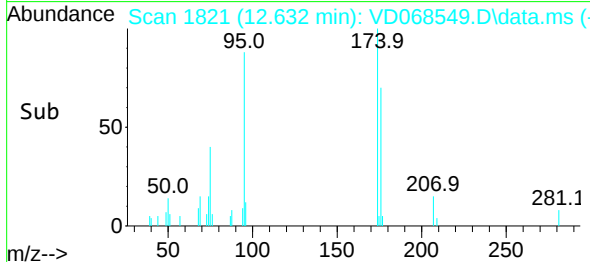
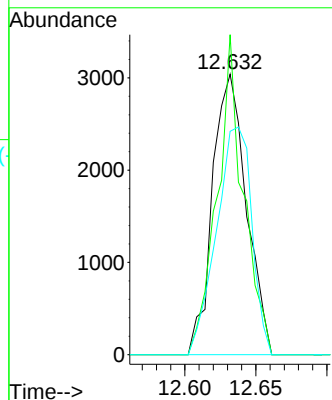
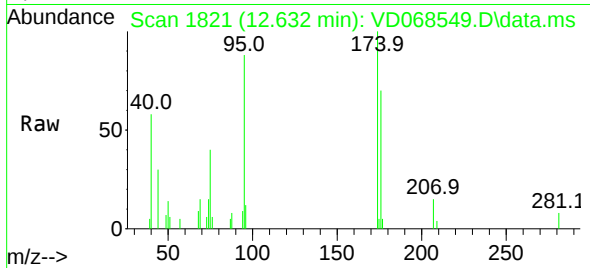




#62  
4-Bromofluorobenzene  
Concen: 48.14 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068549.D  
Acq: 05 Mar 2021 17:49

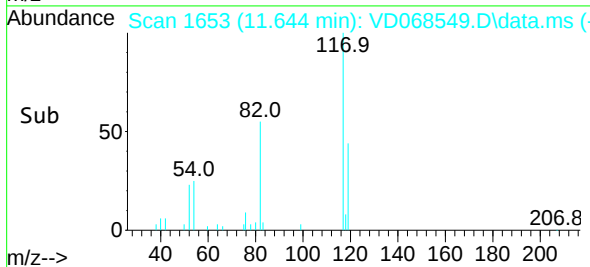
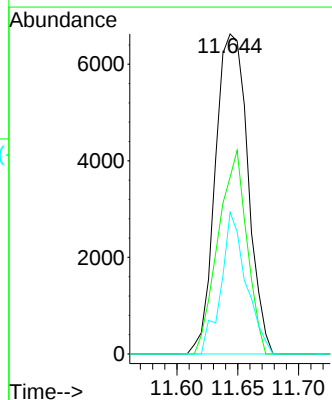
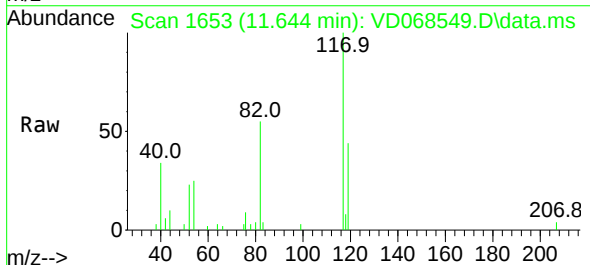
Instrument :  
MSVOA\_D  
ClientSampleId :  
VEOLIA-72-11991

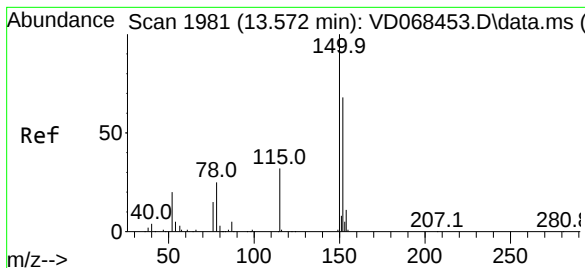
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 5035  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 88.5  | 0.0   | 172.4 |
| 176      | 84.8  | 0.0   | 168.4 |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD068549.D  
Acq: 05 Mar 2021 17:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 12318 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 55.2  | 41.4  | 62.0  |
| 119      | 44.3  | 26.1  | 39.1  |

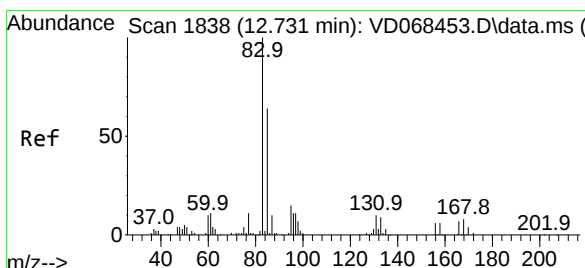
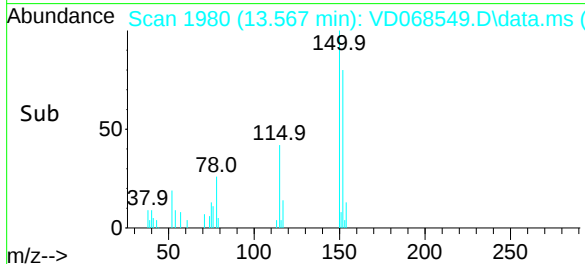
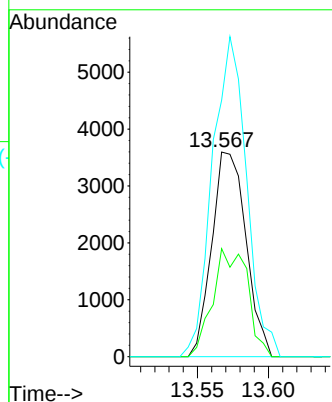
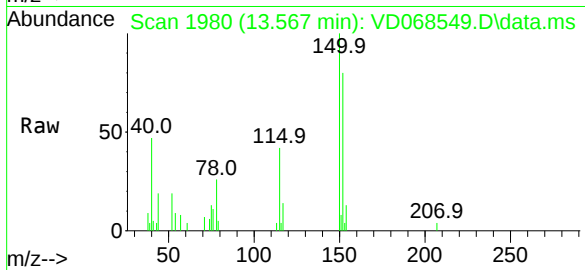




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.567 min Scan# 1980  
 Delta R.T. -0.005 min  
 Lab File: VD068549.D  
 Acq: 05 Mar 2021 17:49

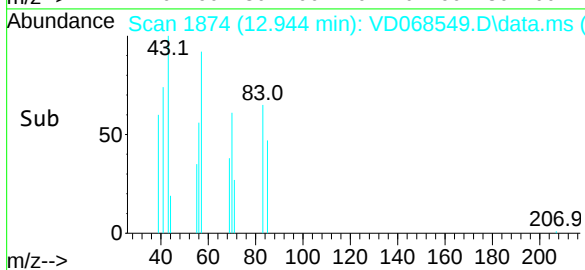
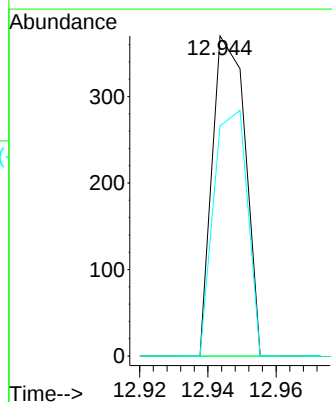
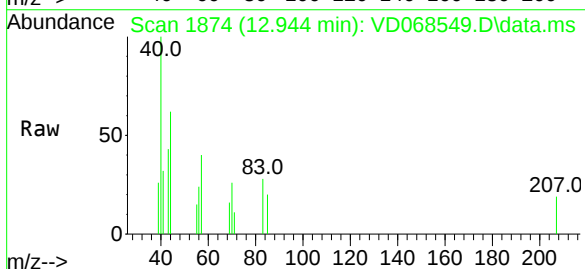
Instrument :  
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 ClientSampleId :  
 VEOLIA-72-11991

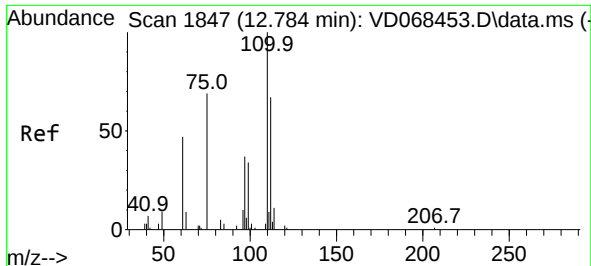
Tgt Ion:152 Resp: 6019  
 Ion Ratio Lower Upper  
 152 100  
 115 53.8 28.9 86.8  
 150 155.8 0.0 344.4



#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 3.23 ug/l  
 RT: 12.944 min Scan# 1874  
 Delta R.T. 0.212 min  
 Lab File: VD068549.D  
 Acq: 05 Mar 2021 17:49

Tgt Ion: 83 Resp: 248  
 Ion Ratio Lower Upper  
 83 100  
 131 0.0 5.8 17.4#  
 85 78.2 32.4 97.2

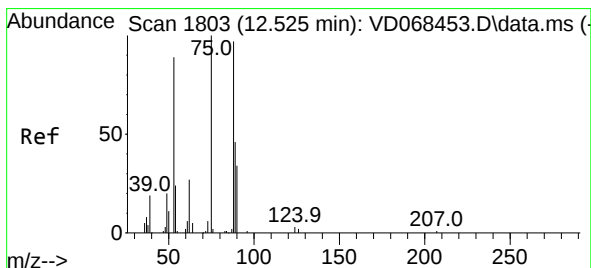
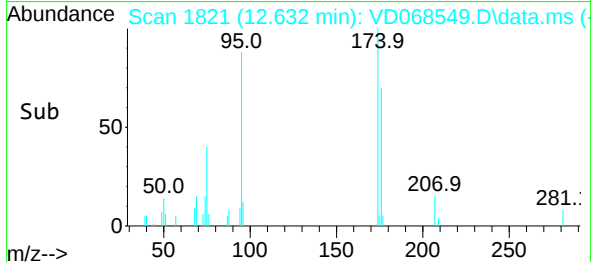
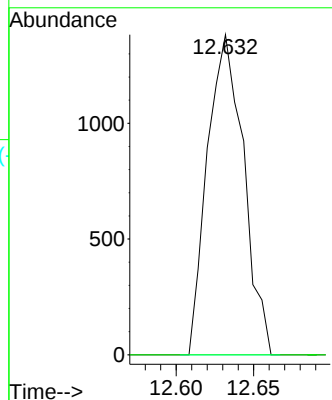
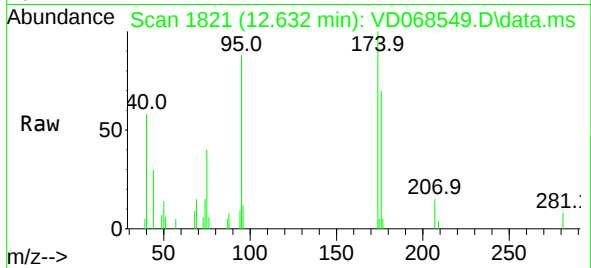




#76  
1,2,3-Trichloropropane  
Concen: 42.09 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.152 min  
Lab File: VD068549.D  
Acq: 05 Mar 2021 17:49

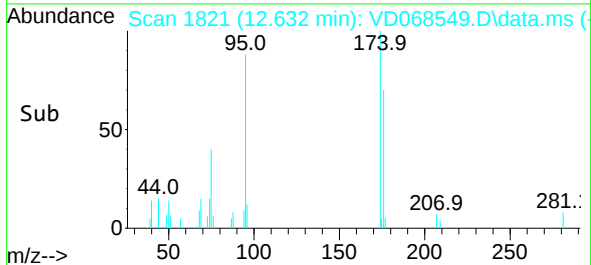
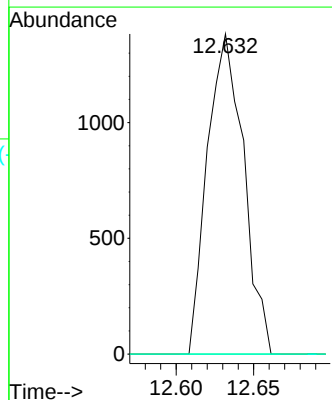
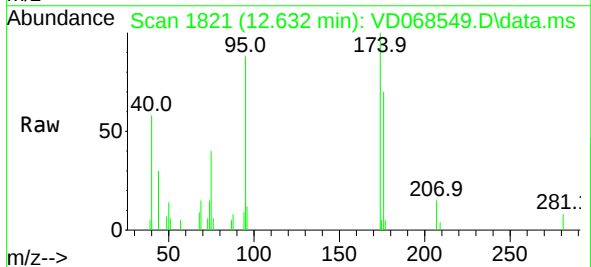
Instrument :  
MSVOA\_D  
ClientSampleId :  
VEOLIA-72-11991

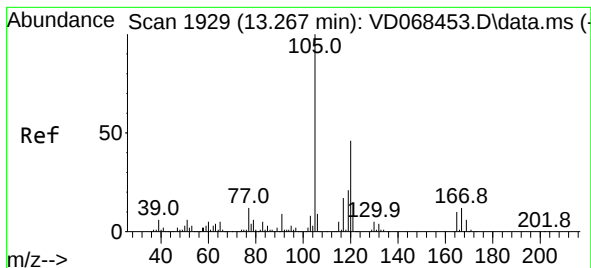
Tgt Ion: 75 Resp: 2249  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 98.22 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.106 min  
Lab File: VD068549.D  
Acq: 05 Mar 2021 17:49

Tgt Ion: 75 Resp: 2249  
Ion Ratio Lower Upper  
75 100  
53 0.0 70.2 105.2#  
89 0.0 40.3 60.5#





#84  
 1,2,4-Trimethylbenzene  
 Concen: 2.63 ug/l  
 RT: 13.261 min Scan# 1928  
 Delta R.T. -0.005 min  
 Lab File: VD068549.D  
 Acq: 05 Mar 2021 17:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VEOLIA-72-11991

Tgt Ion:105 Resp: 963  
 Ion Ratio Lower Upper  
 105 100  
 120 55.1 22.4 67.0

