

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040821\  
 Data File : VD068799.D  
 Acq On : 08 Apr 2021 19:52  
 Operator : VA/SY  
 Sample : M1979-03  
 Misc : 4.87G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Apr 09 01:05:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 08 03:50:31 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.985  | 168  | 433191   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.867  | 114  | 805986   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.644 | 117  | 873343   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 431317   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 212948   | 46.51    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 93.02%  |
| 35) Dibromofluoromethane    | 7.920  | 113   | 246684   | 47.06    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 94.12%  |
| 50) Toluene-d8              | 10.338 | 98    | 1026650  | 51.91    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 103.82% |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 395436   | 60.20    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 120.40% |

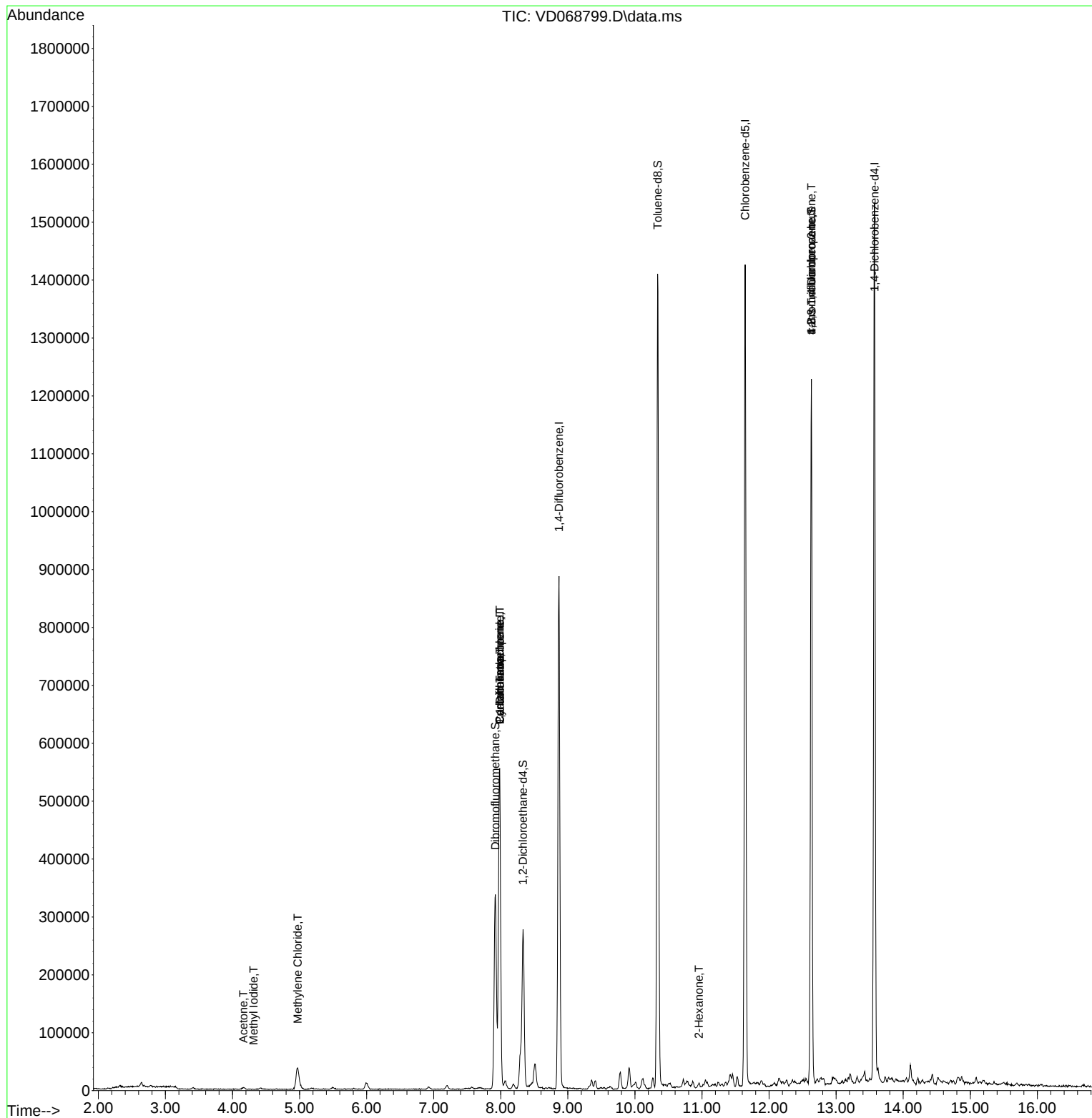
| Target Compounds              |        |     |        |             | Qvalue |
|-------------------------------|--------|-----|--------|-------------|--------|
| 10) Methyl Iodide             | 4.314  | 142 | 61     | 2.26 ug/l   | # 21   |
| 11) Tert butyl alcohol        | 5.185  | 59  | 1119   | Below Cal   | # 73   |
| 16) Acetone                   | 4.162  | 43  | 4933   | 7.78 ug/l   | 98     |
| 20) Methylene Chloride        | 4.973  | 84  | 31930  | 1.56 ug/l   | 95     |
| 31) Cyclohexane               | 7.985  | 56  | 9569   | 1.26 ug/l   | # 6    |
| 36) 1,1-Dichloropropene       | 7.985  | 75  | 31830  | 3.90 ug/l   | # 50   |
| 38) Carbon Tetrachloride      | 7.985  | 117 | 42098  | 5.21 ug/l   | # 16   |
| 59) 2-Hexanone                | 10.955 | 43  | 2943   | 1.79 ug/l   | # 19   |
| 76) 1,2,3-Trichloropropane    | 12.632 | 75  | 195285 | 49.56 ug/l  | # 100  |
| 81) trans-1,4-Dichloro-2-b... | 12.632 | 75  | 195285 | 115.02 ug/l | # 16   |

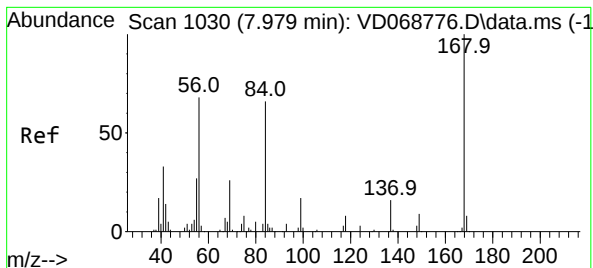
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Apr 09 01:05:27 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 08 03:50:31 2021  
Response via : Initial Calibration

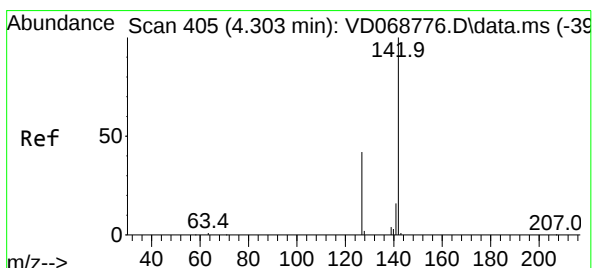
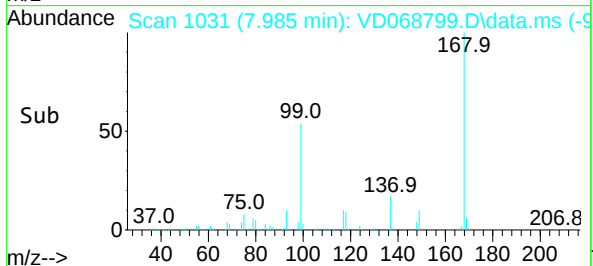
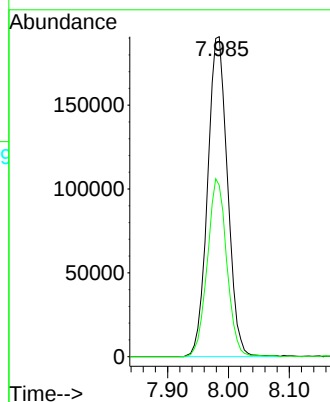
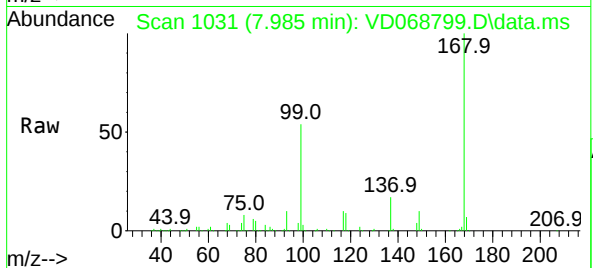




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.006 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

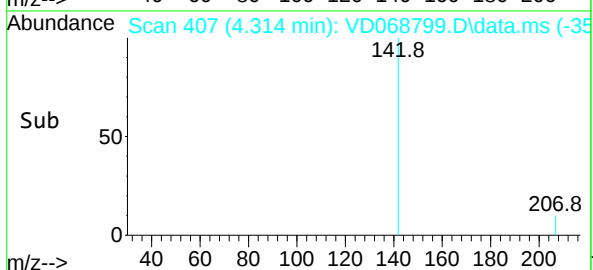
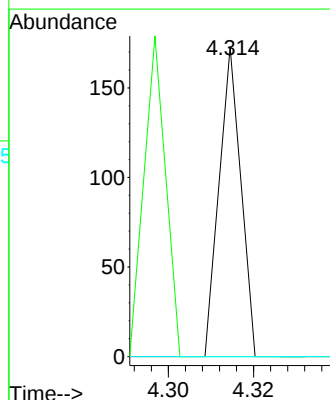
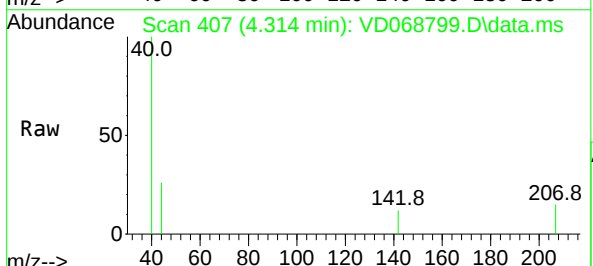
Instrument :  
MSVOA\_D  
ClientSampleId :

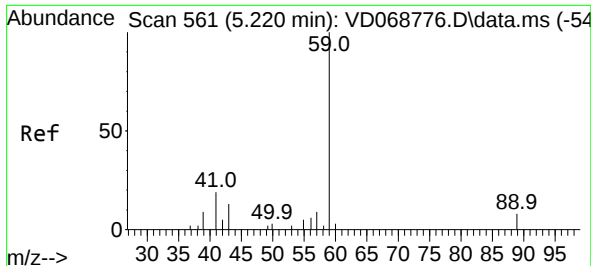
Tgt Ion:168 Resp: 433191  
Ion Ratio Lower Upper  
168 100  
99 53.5 46.2 69.2



#10  
Methyl Iodide  
Concen: 2.26 ug/l  
RT: 4.314 min Scan# 407  
Delta R.T. 0.011 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

Tgt Ion:142 Resp: 61  
Ion Ratio Lower Upper  
142 100  
127 103.3 34.7 52.1#  
141 0.0 11.0 16.4#

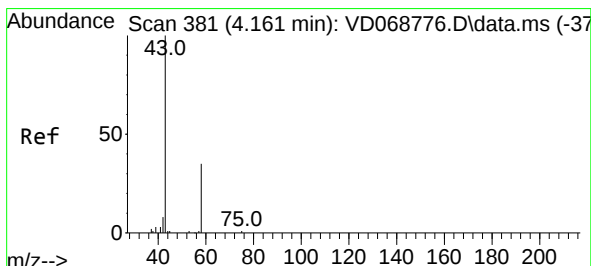
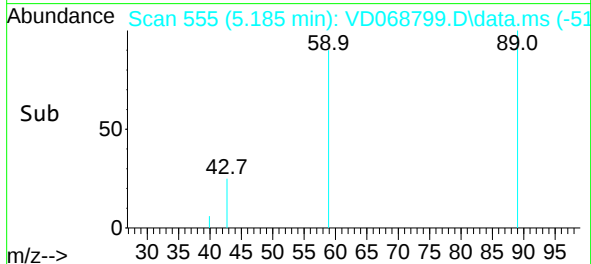
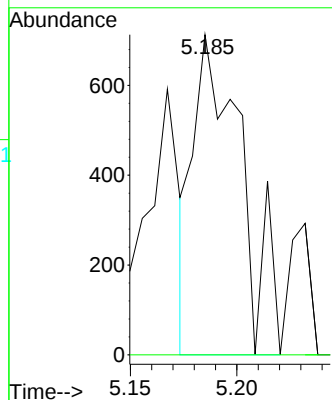
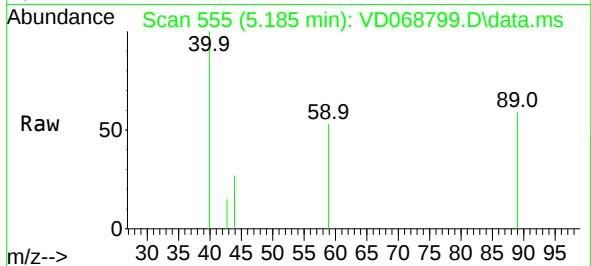




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.185 min Scan# 555  
Delta R.T. -0.035 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

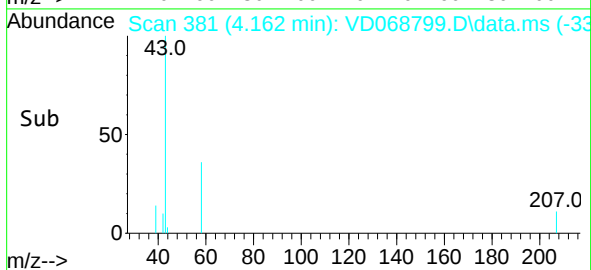
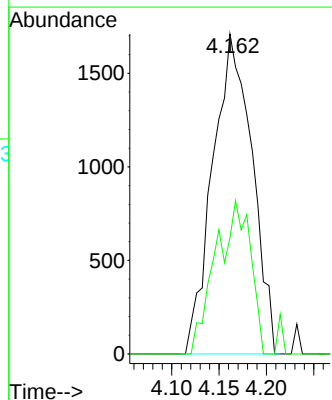
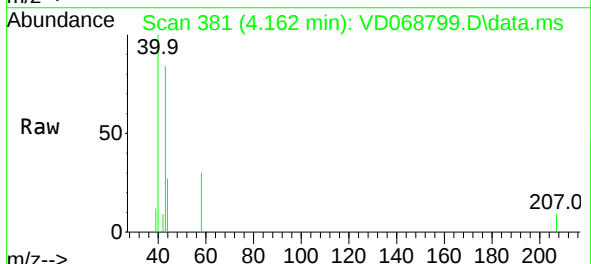
Instrument :  
MSVOA\_D  
ClientSampled :

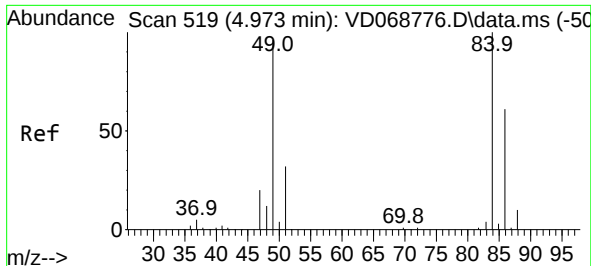
Tgt Ion: 59 Resp: 1119  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#16  
Acetone  
Concen: 7.78 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.001 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

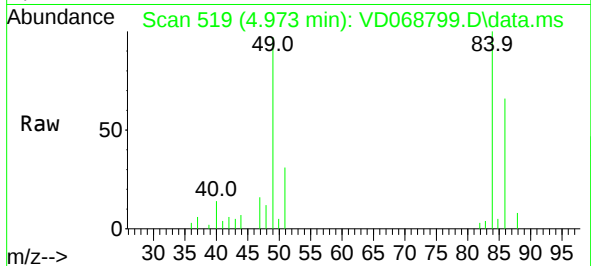
Tgt Ion: 43 Resp: 4933  
Ion Ratio Lower Upper  
43 100  
58 36.3 28.0 42.0



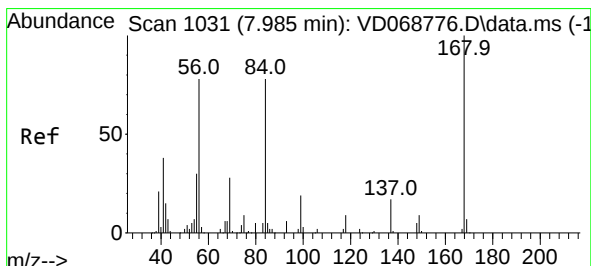
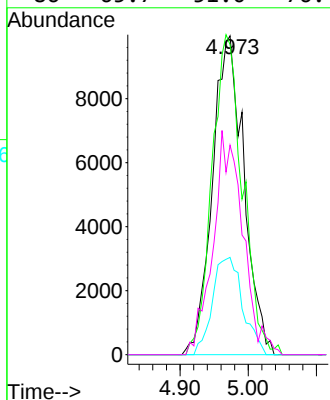
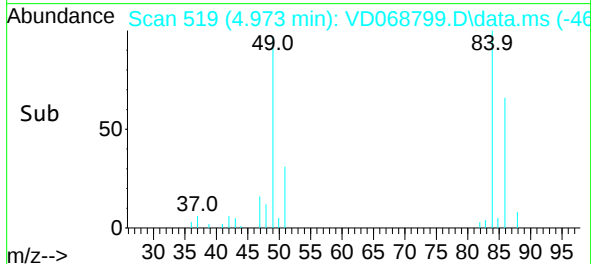


#20  
Methylene Chloride  
Concen: 1.56 ug/l  
RT: 4.973 min Scan# 519  
Delta R.T. 0.000 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

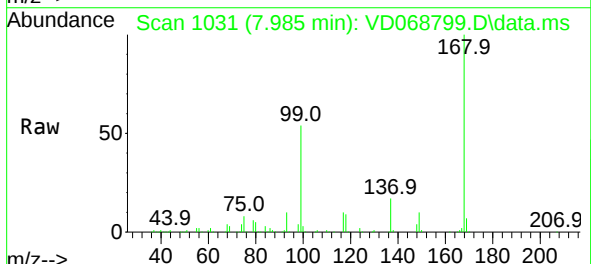
Instrument :  
MSVOA\_D  
ClientSampled :



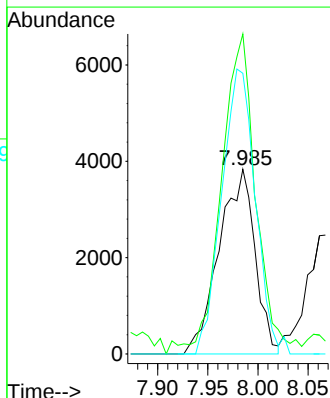
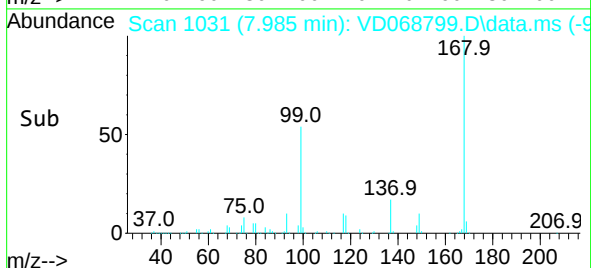
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 31930 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 97.2  | 83.4  | 125.0 |
| 51       | 30.5  | 23.4  | 35.2  |
| 86       | 65.7  | 51.0  | 76.4  |

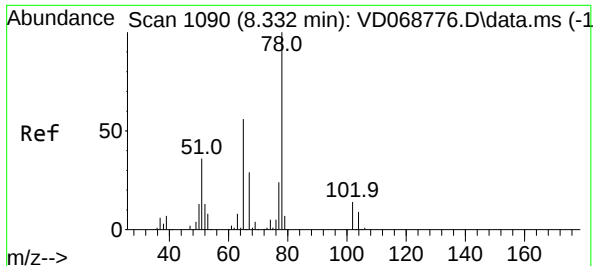


#31  
Cyclohexane  
Concen: 1.26 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 9569   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 168.6 | 30.0  | 45.0#  |
| 84       | 152.0 | 82.0  | 123.0# |

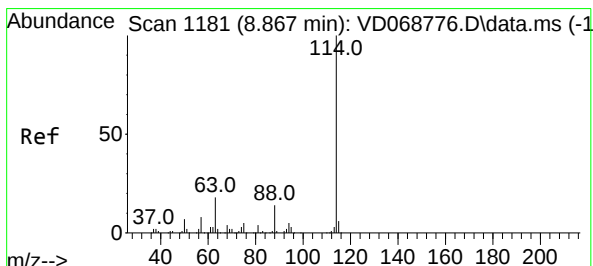
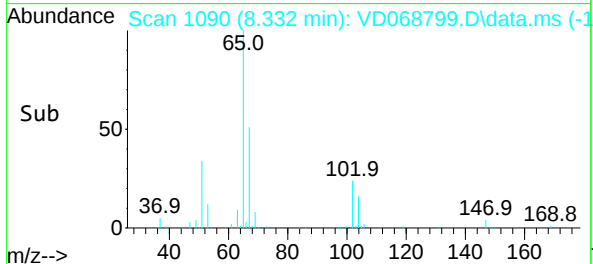
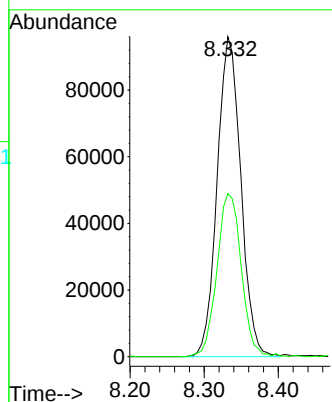
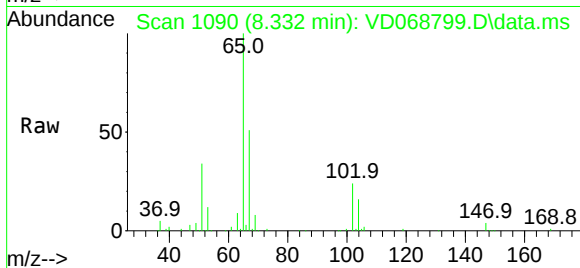




#33  
1,2-Dichloroethane-d4  
Concen: 46.51 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

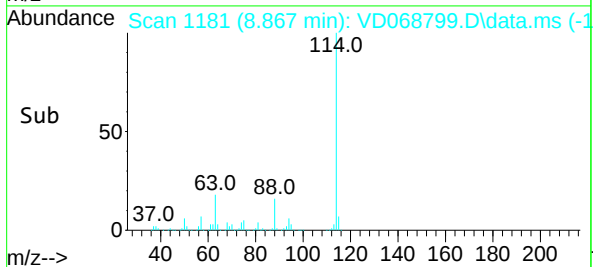
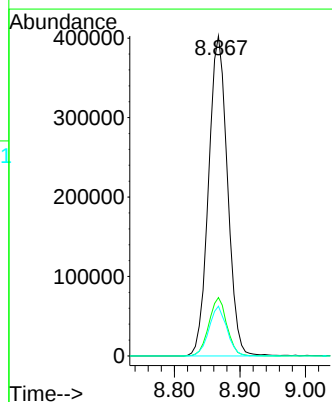
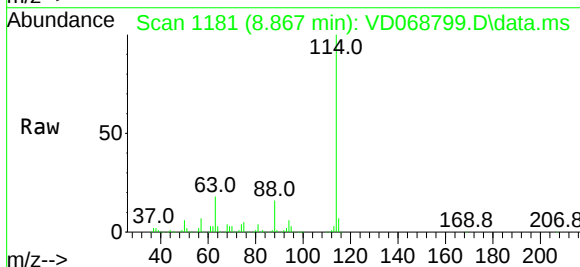
Instrument :  
MSVOA\_D  
ClientSampled :

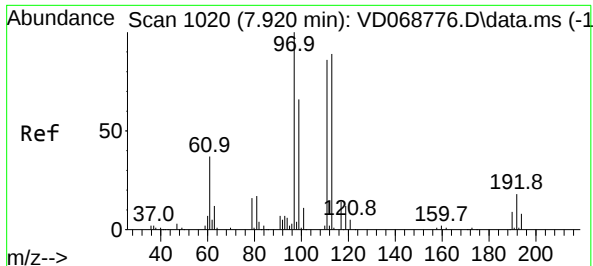
Tgt Ion: 65 Resp: 212948  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 106.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

Tgt Ion: 114 Resp: 805986  
Ion Ratio Lower Upper  
114 100  
63 18.2 0.0 38.2  
88 15.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 47.06 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068799.D

Acq: 08 Apr 2021 19:52

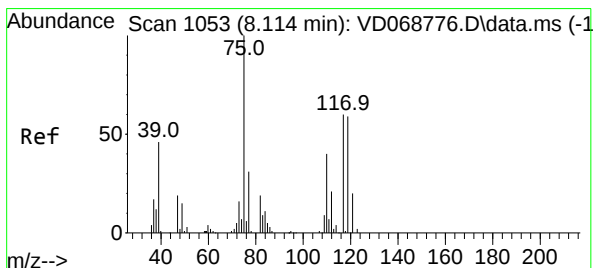
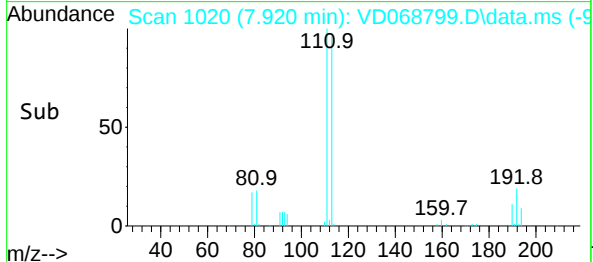
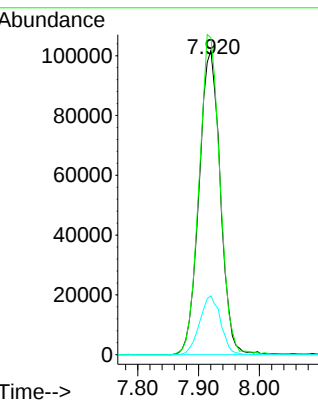
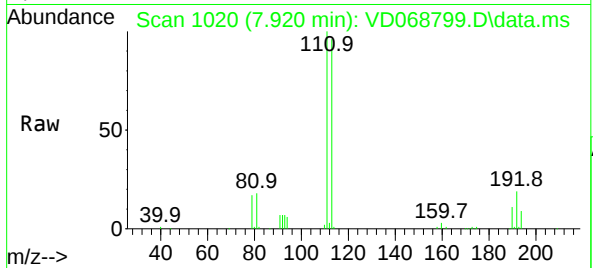
Tgt Ion:113 Resp: 246684

Ion Ratio Lower Upper

113 100

111 103.5 82.5 123.7

192 19.1 15.1 22.7



#36

1,1-Dichloropropene

Concen: 3.90 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD068799.D

Acq: 08 Apr 2021 19:52

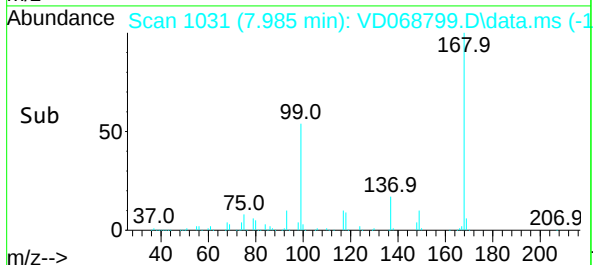
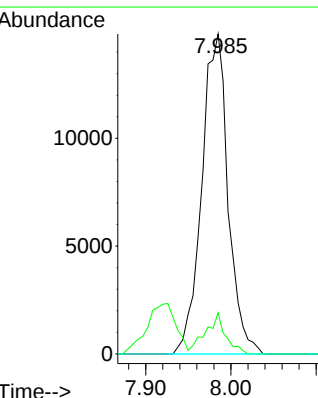
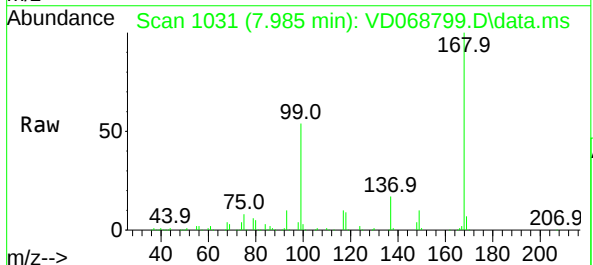
Tgt Ion: 75 Resp: 31830

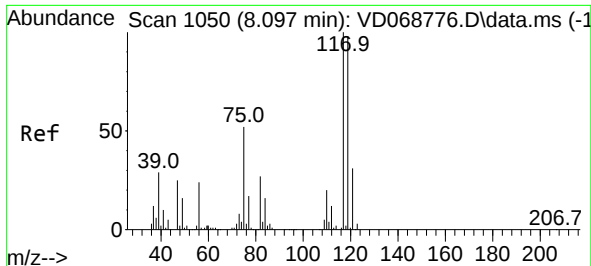
Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

77 0.0 24.7 37.1#

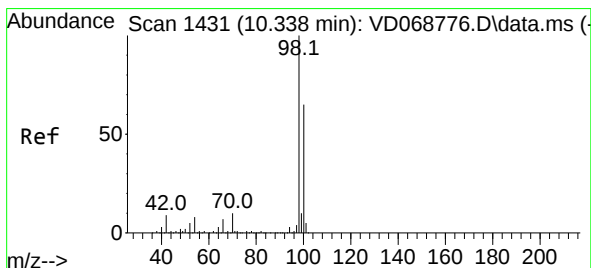
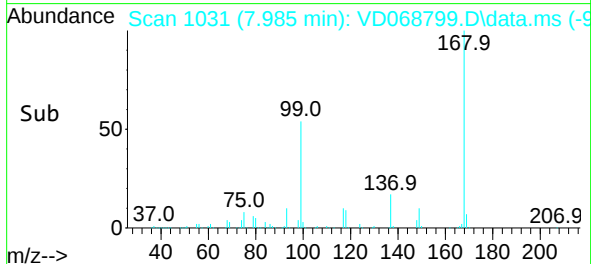
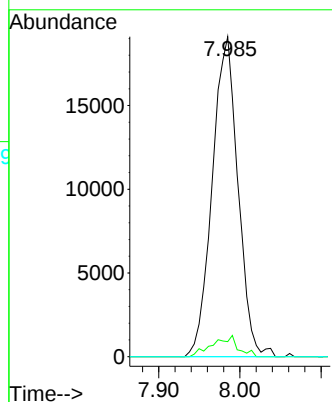
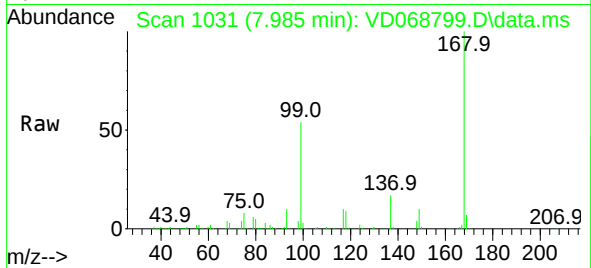




#38  
Carbon Tetrachloride  
Concen: 5.21 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.112 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

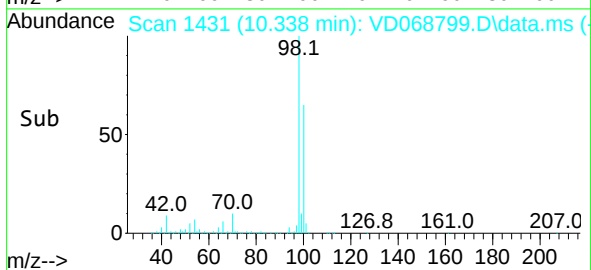
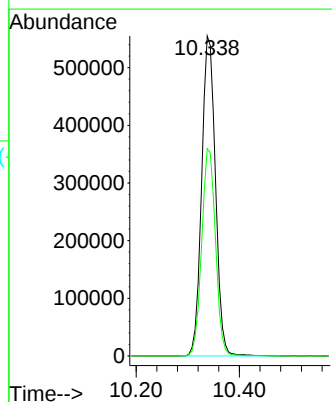
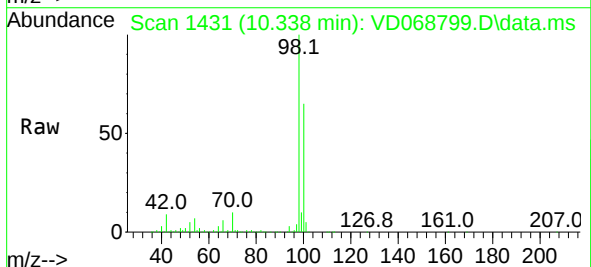
Instrument :  
MSVOA\_D  
ClientSampleId :

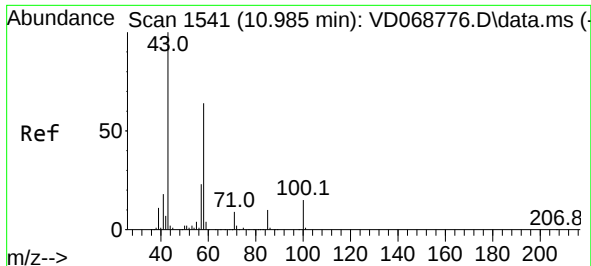
Tgt Ion:117 Resp: 42098  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.6 115.0#  
121 0.0 26.1 39.1#



#50  
Toluene-d8  
Concen: 51.91 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

Tgt Ion: 98 Resp: 1026650  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.8 77.6

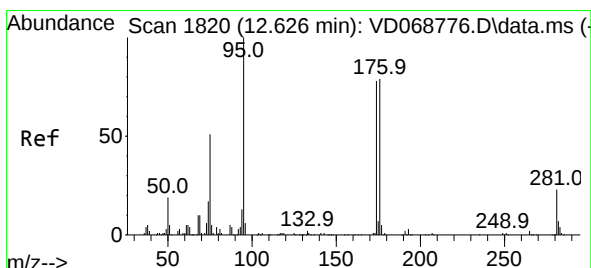
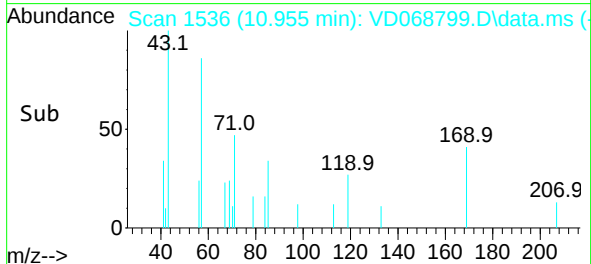
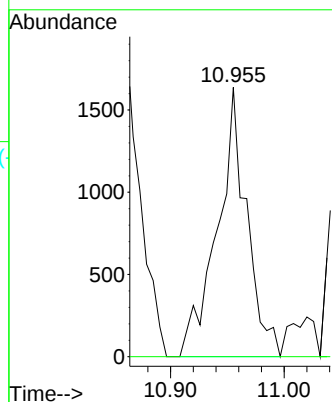
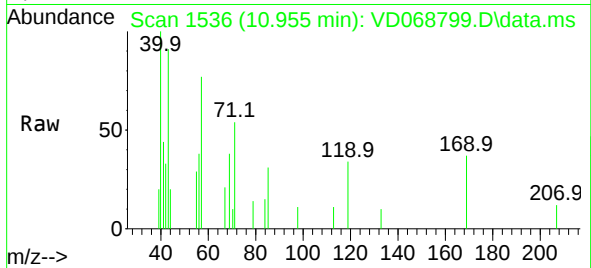




#59  
2-Hexanone  
Concen: 1.79 ug/l  
RT: 10.955 min Scan# 1536  
Delta R.T. -0.030 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

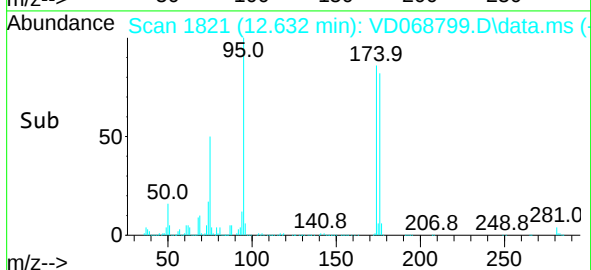
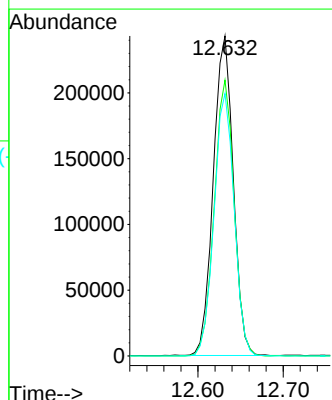
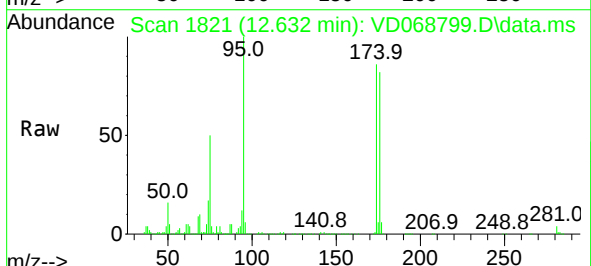
Instrument :  
MSVOA\_D  
ClientSampled :

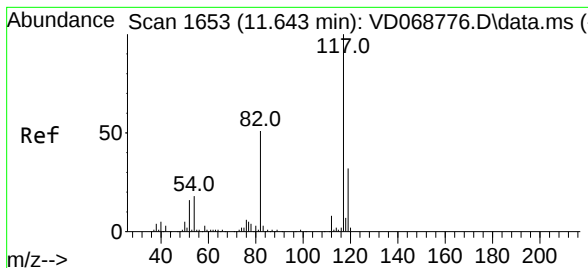
Tgt Ion: 43 Resp: 2943  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.3 93.8#



#62  
4-Bromofluorobenzene  
Concen: 60.20 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

Tgt Ion: 95 Resp: 395436  
Ion Ratio Lower Upper  
95 100  
174 86.0 0.0 168.0  
176 82.7 0.0 160.2

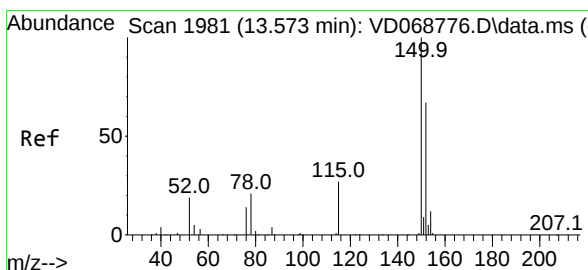
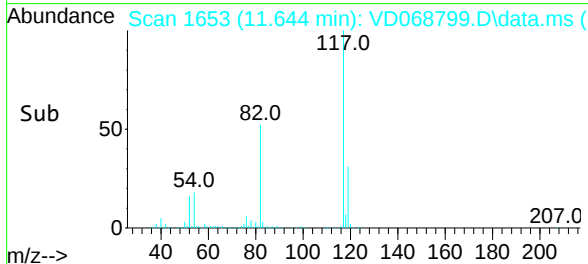
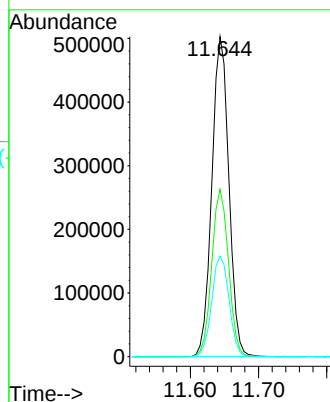
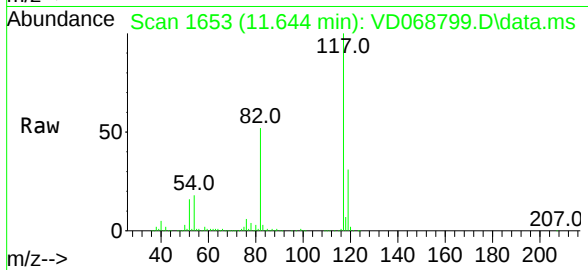




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

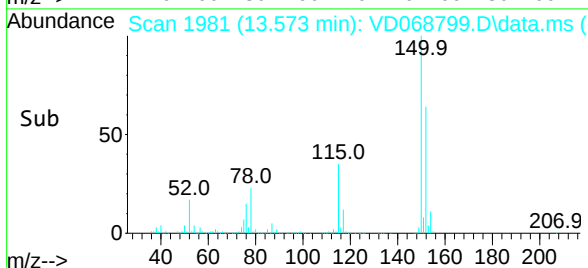
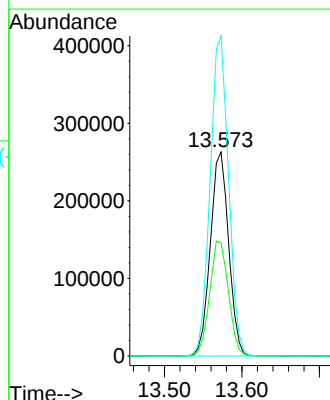
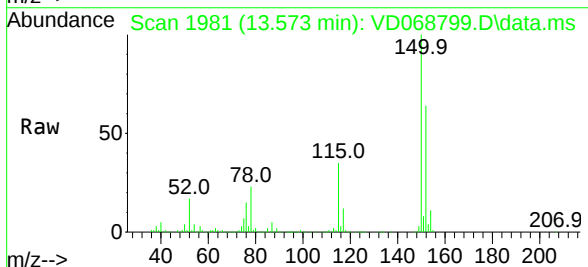
Instrument :  
MSVOA\_D  
ClientSampleId :

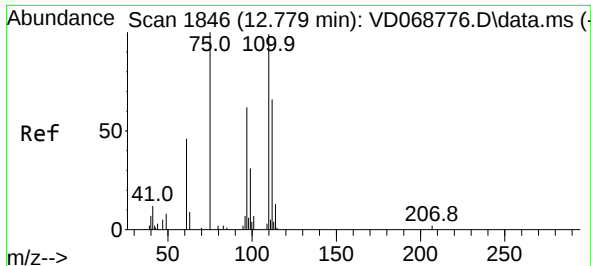
Tgt Ion:117 Resp: 873343  
Ion Ratio Lower Upper  
117 100  
82 52.3 43.5 65.3  
119 31.5 26.7 40.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. -0.000 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

Tgt Ion:152 Resp: 431317  
Ion Ratio Lower Upper  
152 100  
115 57.5 29.3 87.8  
150 157.3 0.0 347.6

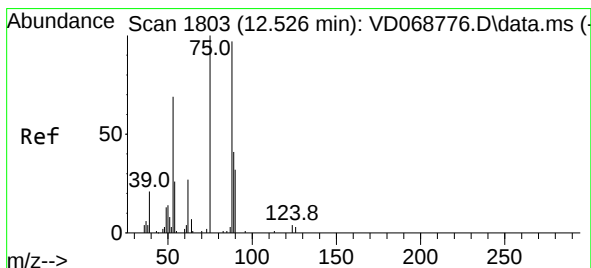
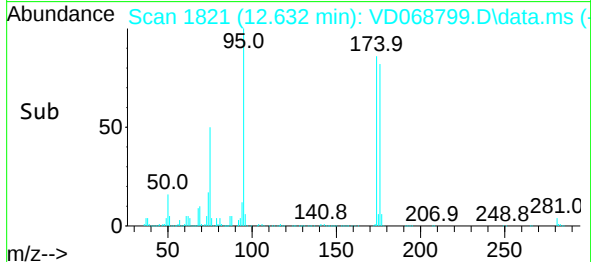
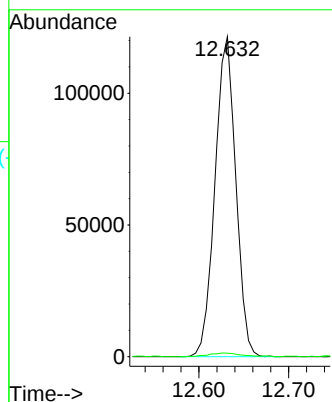
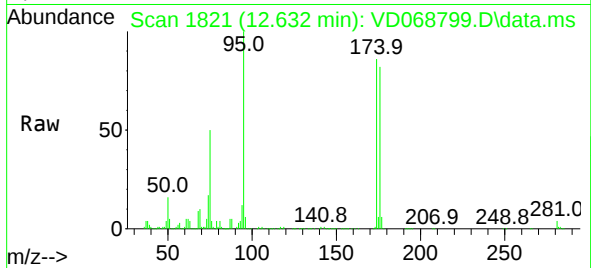




#76  
1,2,3-Trichloropropane  
Concen: 49.56 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.147 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

Instrument :  
MSVOA\_D  
ClientSampled :

Tgt Ion: 75 Resp: 195285  
Ion Ratio Lower Upper  
75 100  
77 1.8 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 115.02 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.106 min  
Lab File: VD068799.D  
Acq: 08 Apr 2021 19:52

Tgt Ion: 75 Resp: 195285  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.1 36.6 54.8#

