

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042621\  
 Data File : VD068984.D  
 Acq On : 26 Apr 2021 13:11  
 Operator : VA/SY  
 Sample : M2107-11  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Apr 27 07:12:23 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

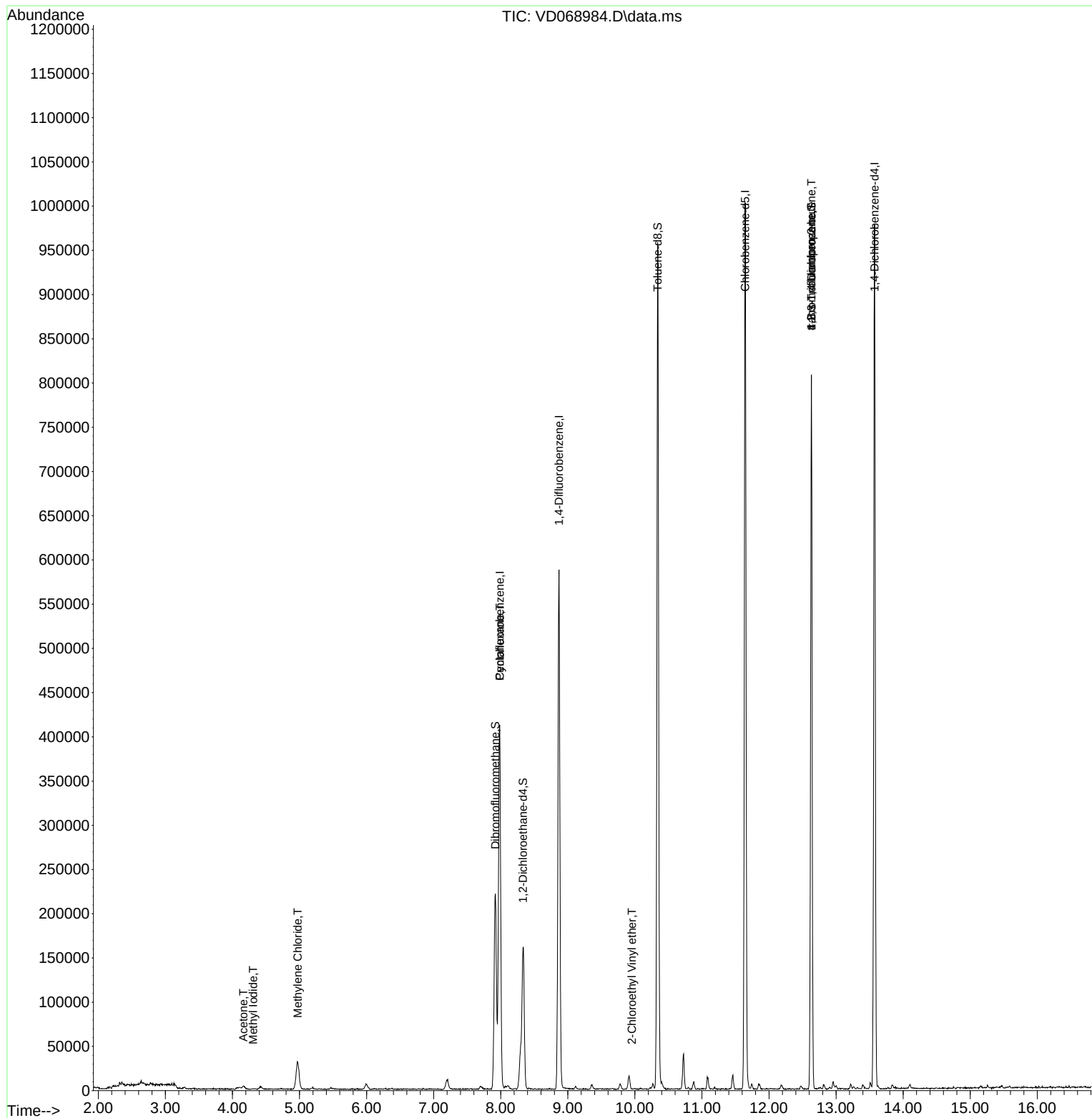
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.985          | 168  | 325554     | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867          | 114  | 537576     | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.644         | 117  | 604209     | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573         | 152  | 263597     | 50.00     | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 125654     | 36.52     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 73.04%    |        |          |
| 35) Dibromofluoromethane      | 7.920          | 113  | 163661     | 46.81     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 93.62%    |        |          |
| 50) Toluene-d8                | 10.338         | 98   | 673762     | 51.08     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 102.16%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.632         | 95   | 252354     | 57.60     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 115.20%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 10) Methyl Iodide             | 4.309          | 142  | 420        | 2.35      | ug/l # | 91       |
| 11) Tert butyl alcohol        | 5.197          | 59   | 1477       | Below Cal | #      | 73       |
| 16) Acetone                   | 4.162          | 43   | 6572       | 13.79     | ug/l # | 81       |
| 20) Methylene Chloride        | 4.973          | 84   | 27810      | 2.65      | ug/l # | 94       |
| 31) Cyclohexane               | 7.985          | 56   | 7605       | 1.33      | ug/l # | 16       |
| 58) 2-Chloroethyl Vinyl ether | 9.955          | 63   | 113        | 17.05     | ug/l # | 44       |
| 76) 1,2,3-Trichloropropane    | 12.632         | 75   | 126297     | 52.45     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632         | 75   | 126297     | 121.71    | ug/l # | 16       |
| -----                         |                |      |            |           |        |          |

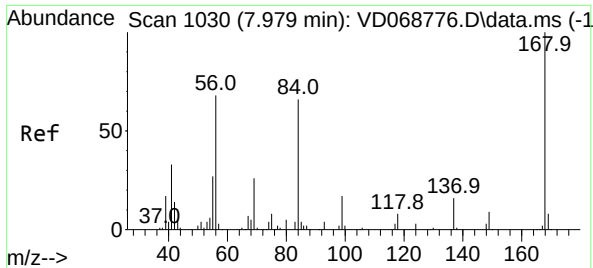
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M2107-11  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Apr 27 07:12:23 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

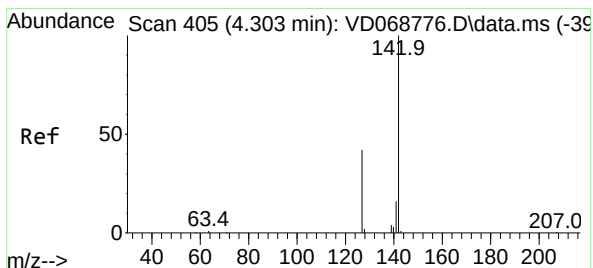
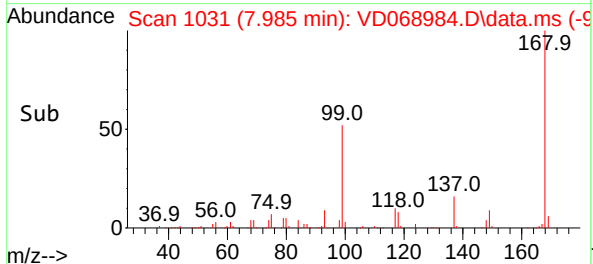
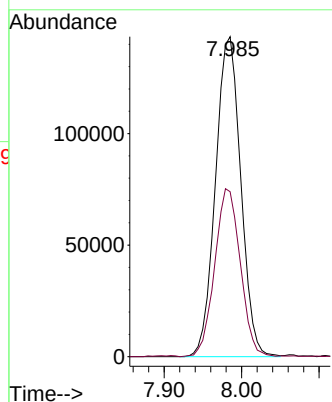
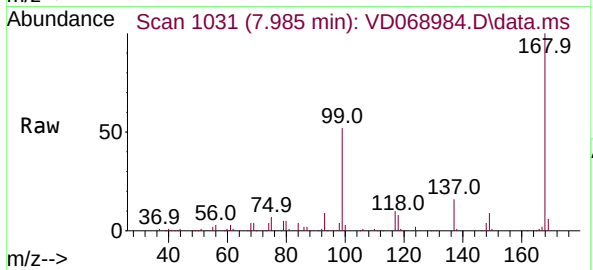




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.006 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

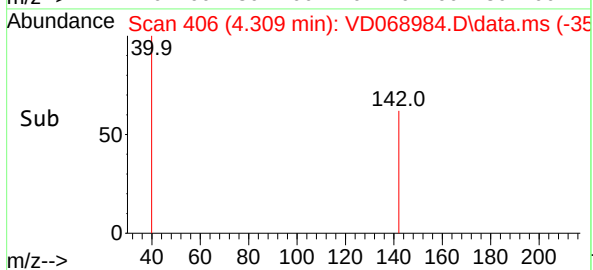
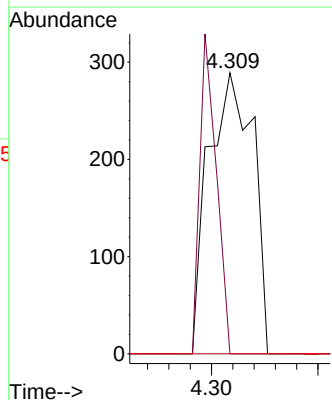
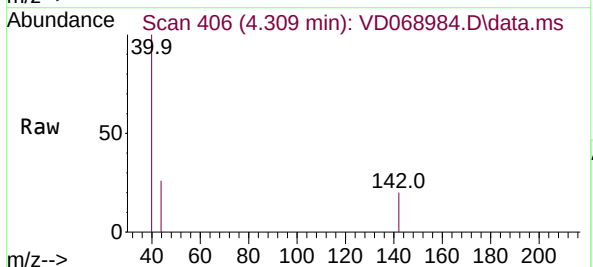
Instrument :  
MSVOA\_D  
ClientSampled :

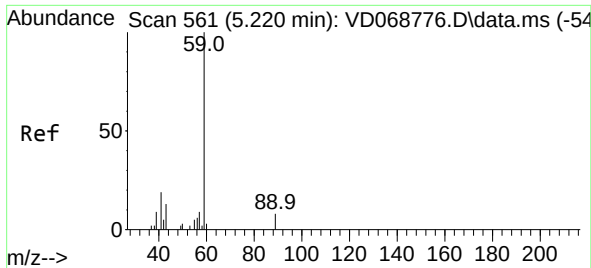
Tgt Ion:168 Resp: 325554  
Ion Ratio Lower Upper  
168 100  
99 51.5 46.2 69.2



#10  
Methyl Iodide  
Concen: 2.35 ug/l  
RT: 4.309 min Scan# 406  
Delta R.T. 0.006 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

Tgt Ion:142 Resp: 420  
Ion Ratio Lower Upper  
142 100  
127 42.4 34.7 52.1  
141 0.0 11.0 16.4#



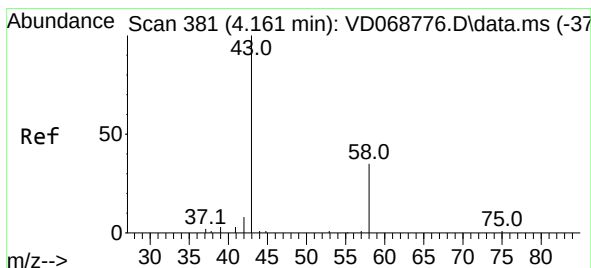
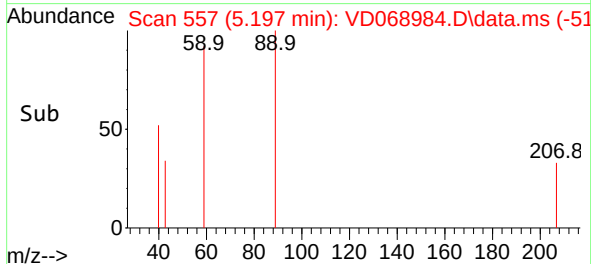
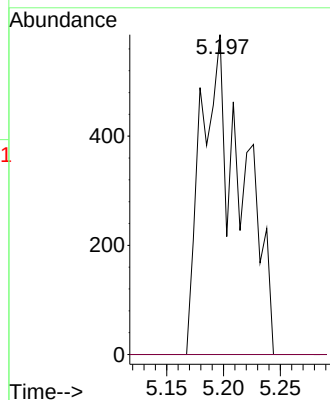
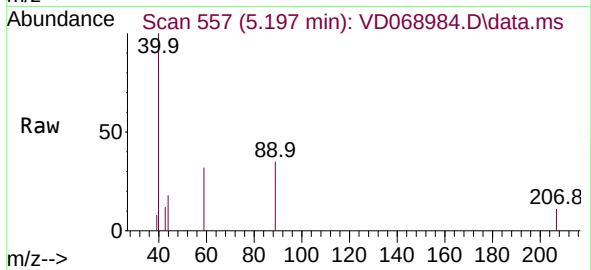


#11

Tert butyl alcohol  
Concen: Below Cal  
RT: 5.197 min Scan# 557  
Delta R.T. -0.023 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

Instrument :  
MSVOA\_D  
ClientSampled :

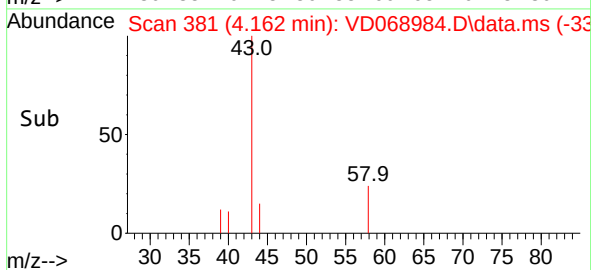
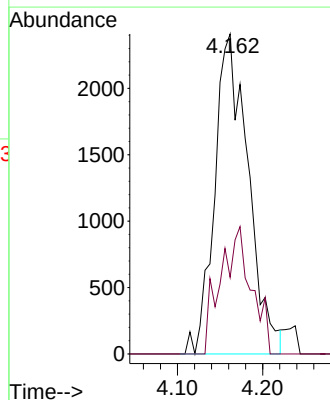
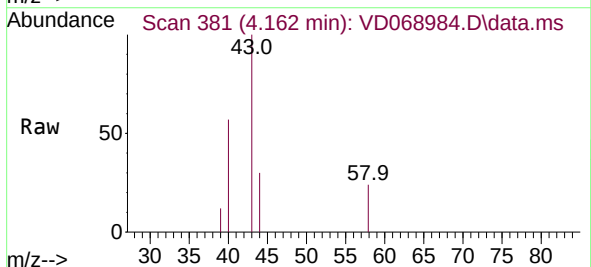
Tgt Ion: 59 Resp: 1477  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

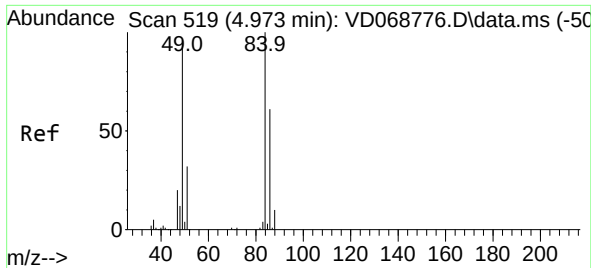


#16

Acetone  
Concen: 13.79 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.001 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

Tgt Ion: 43 Resp: 6572  
Ion Ratio Lower Upper  
43 100  
58 24.0 28.0 42.0#

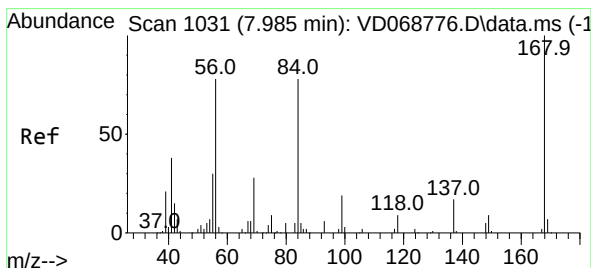
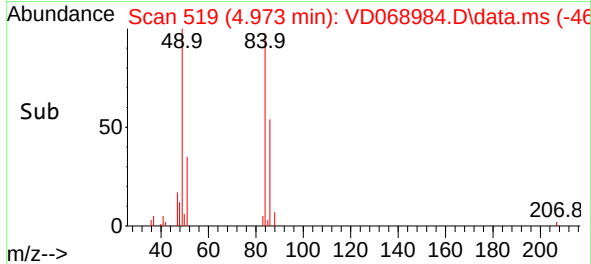
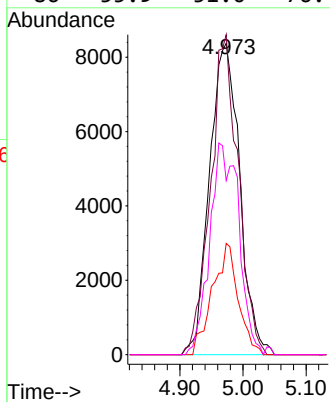
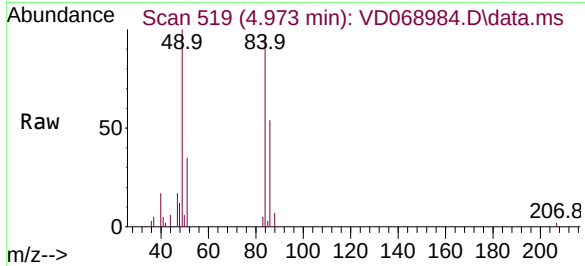




#20  
Methylene Chloride  
Concen: 2.65 ug/l  
RT: 4.973 min Scan# 519  
Delta R.T. 0.000 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

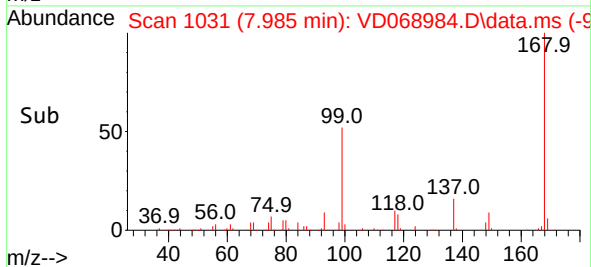
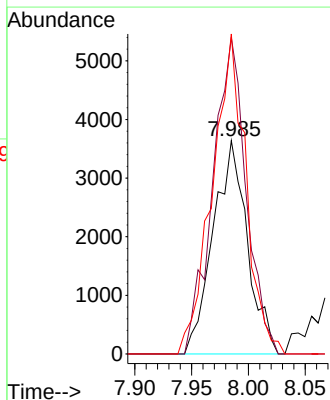
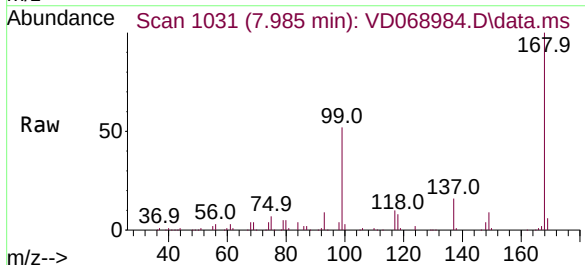
Instrument :  
MSVOA\_D  
ClientSampleId :

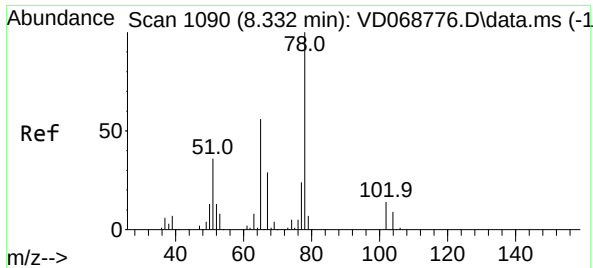
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 27810 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 102.8 | 83.4  | 125.0 |
| 51       | 35.7  | 23.4  | 35.2# |
| 86       | 55.9  | 51.0  | 76.4  |



#31  
Cyclohexane  
Concen: 1.33 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 7605   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 148.4 | 30.0  | 45.0#  |
| 84       | 150.0 | 82.0  | 123.0# |

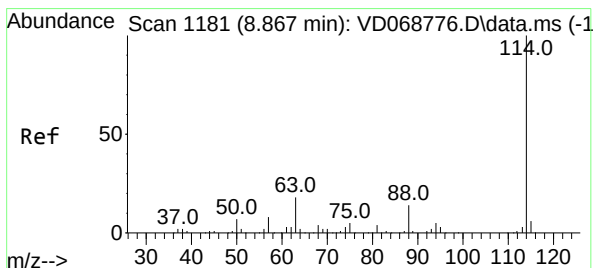
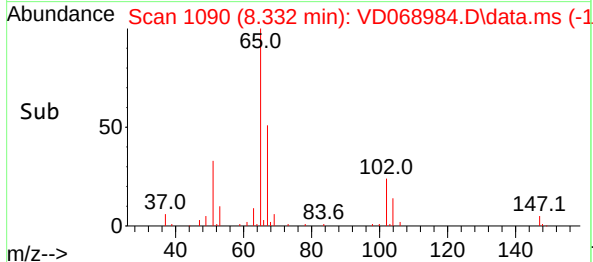
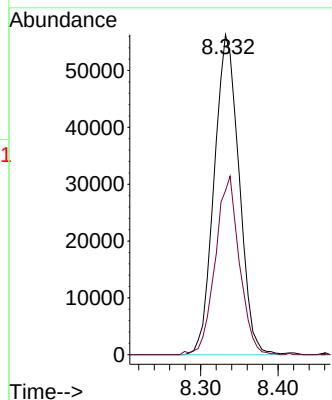
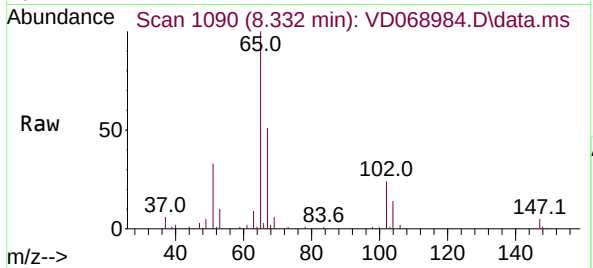




#33  
1,2-Dichloroethane-d4  
Concen: 36.52 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

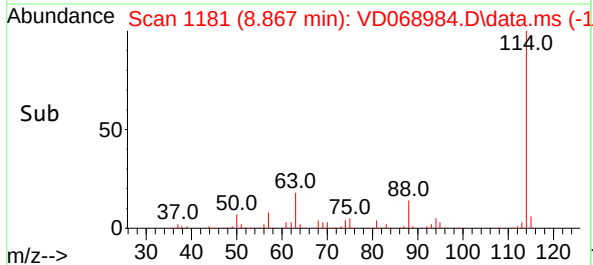
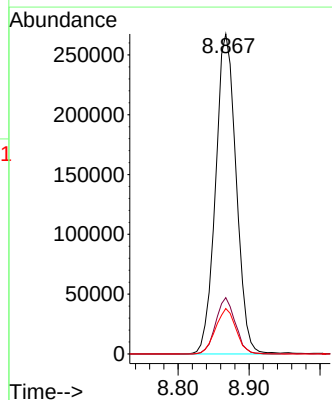
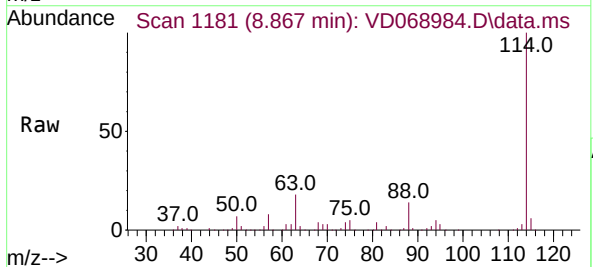
Instrument :  
MSVOA\_D  
ClientSampled :

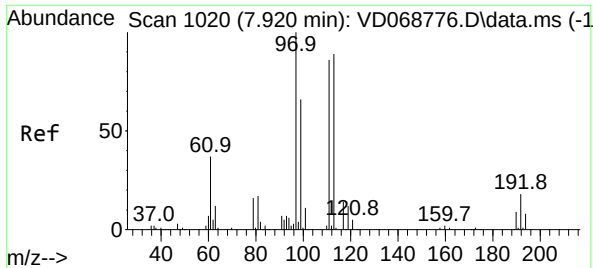
Tgt Ion: 65 Resp: 125654  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 106.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

Tgt Ion: 114 Resp: 537576  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 38.2  
88 14.2 0.0 29.4

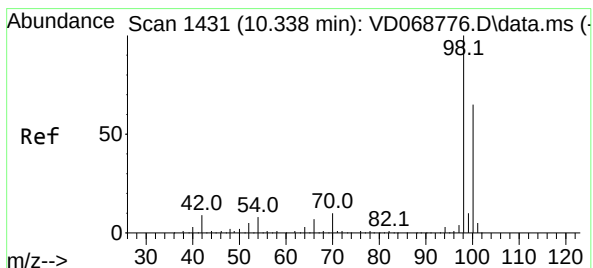
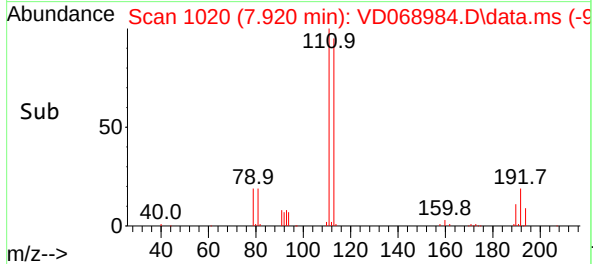
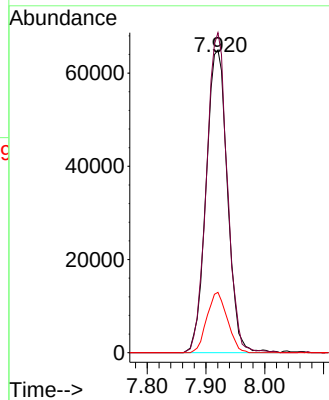
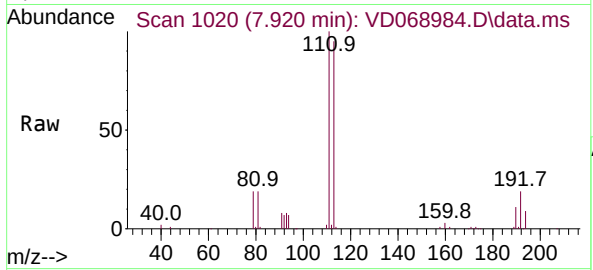




#35  
Dibromofluoromethane  
Concen: 46.81 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

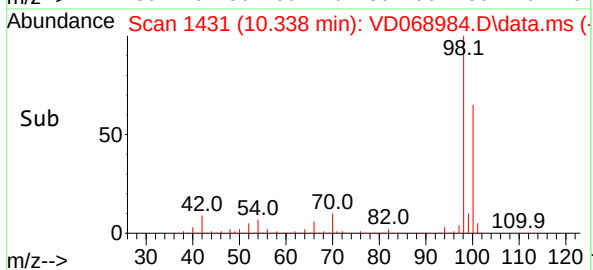
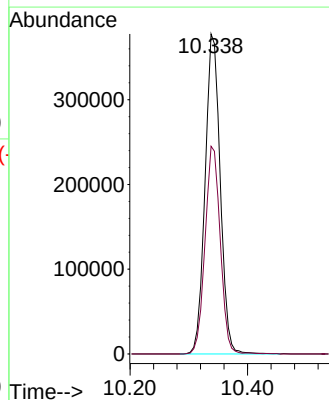
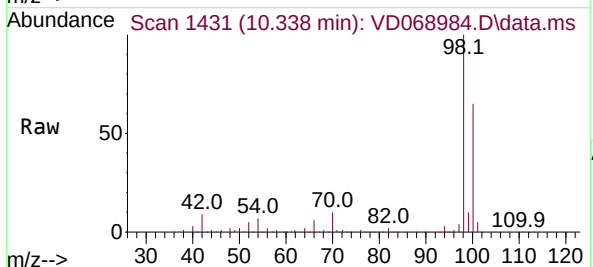
Instrument :  
MSVOA\_D  
ClientSampleId :

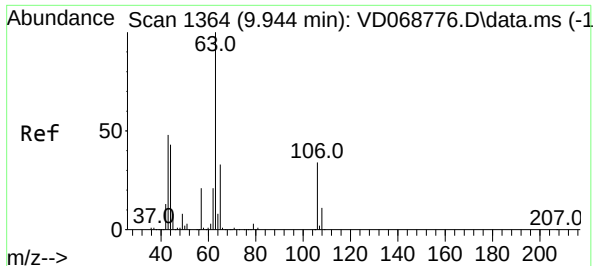
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 163661 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.8 | 82.5  | 123.7  |
| 192      | 19.0  | 15.1  | 22.7   |



#50  
Toluene-d8  
Concen: 51.08 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 673762 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.3  | 51.8  | 77.6   |

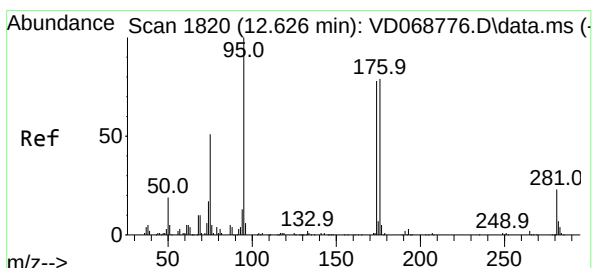
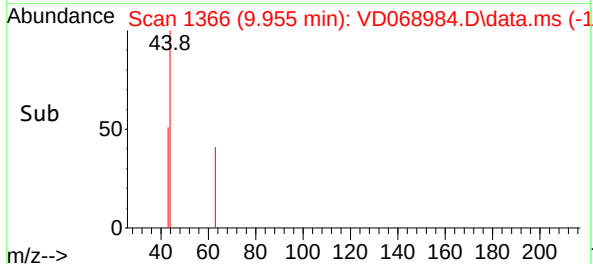
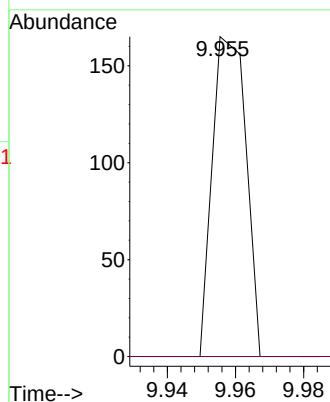
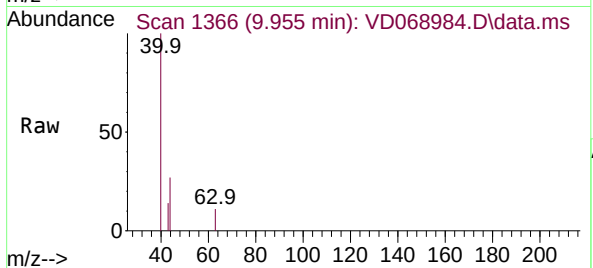




#58  
2-Chloroethyl Vinyl ether  
Concen: 17.05 ug/l  
RT: 9.955 min Scan# 1366  
Delta R.T. 0.011 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

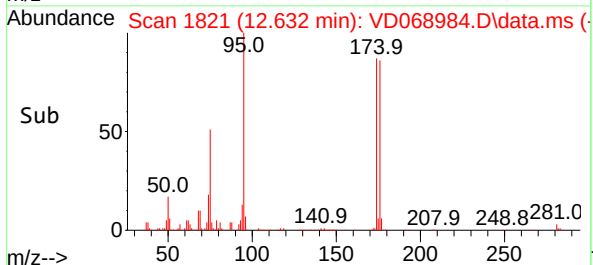
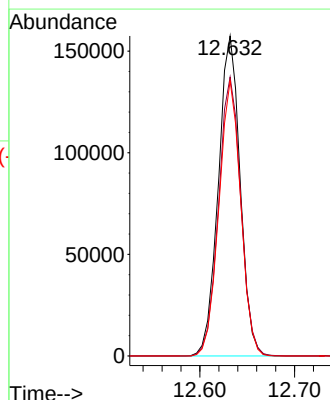
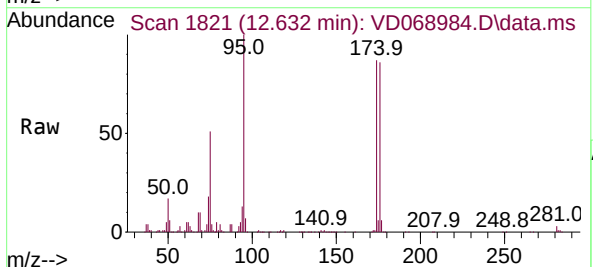
Instrument :  
MSVOA\_D  
ClientSampled :

Tgt Ion: 63 Resp: 113  
Ion Ratio Lower Upper  
63 100  
106 0.0 24.6 36.8#

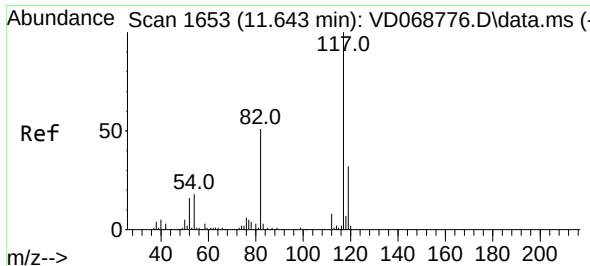


#62  
4-Bromofluorobenzene  
Concen: 57.60 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

Tgt Ion: 95 Resp: 252354  
Ion Ratio Lower Upper  
95 100  
174 88.8 0.0 168.0  
176 85.7 0.0 160.2



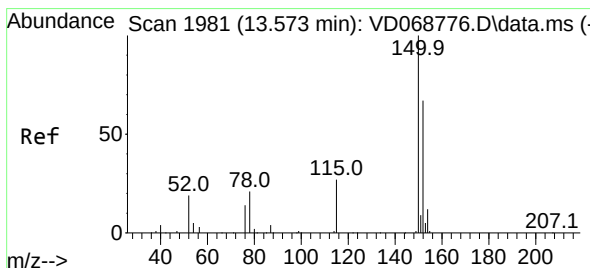
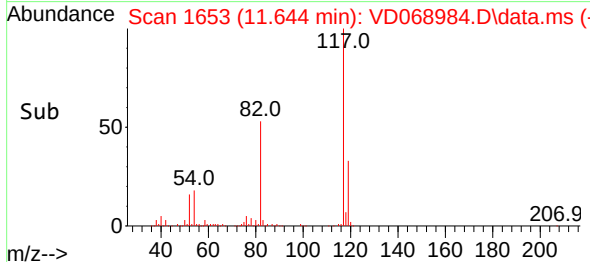
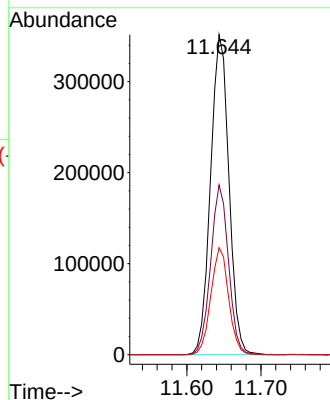
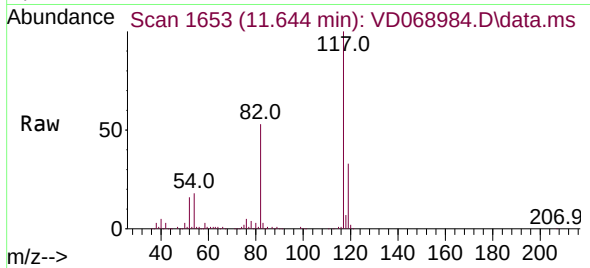




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.001 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

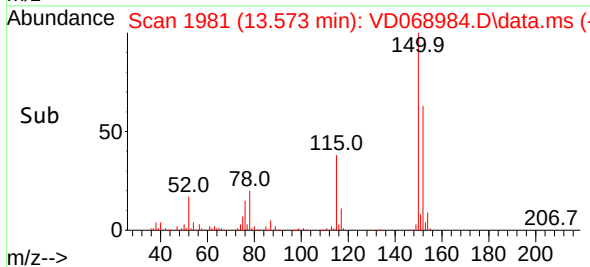
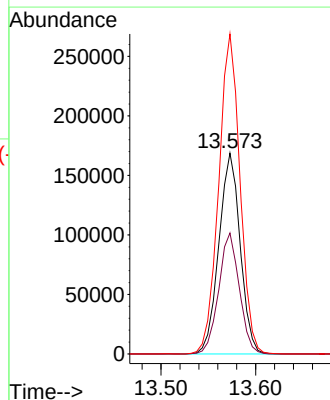
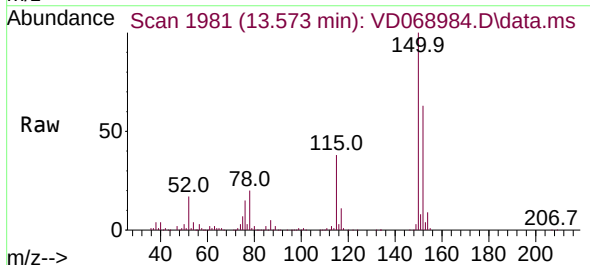
Instrument :  
MSVOA\_D  
ClientSampleId :

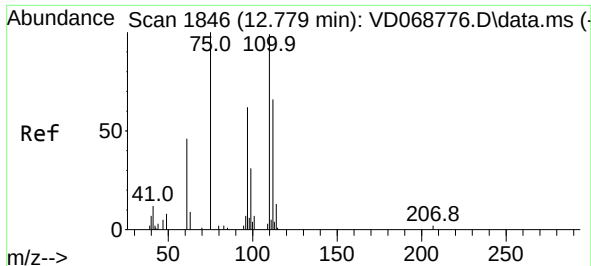
Tgt Ion:117 Resp: 604209  
Ion Ratio Lower Upper  
117 100  
82 53.0 43.5 65.3  
119 33.5 26.7 40.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. -0.000 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

Tgt Ion:152 Resp: 263597  
Ion Ratio Lower Upper  
152 100  
115 58.4 29.3 87.8  
150 159.3 0.0 347.6

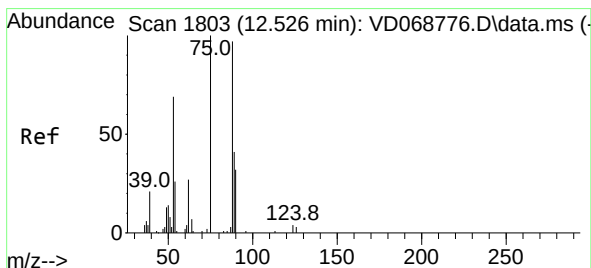
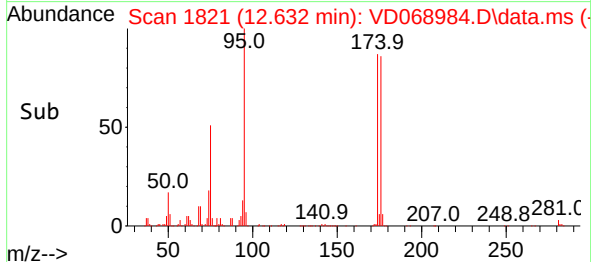
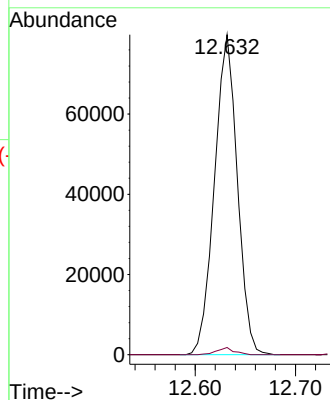
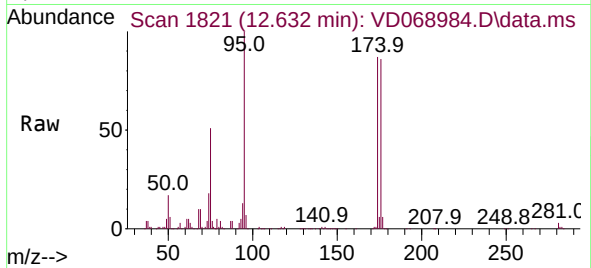




#76  
1,2,3-Trichloropropane  
Concen: 52.45 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.147 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 126297  
Ion Ratio Lower Upper  
75 100  
77 1.7 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 121.71 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.106 min  
Lab File: VD068984.D  
Acq: 26 Apr 2021 13:11

Tgt Ion: 75 Resp: 126297  
Ion Ratio Lower Upper  
75 100  
53 0.1 66.8 100.2#  
89 0.0 36.6 54.8#

