

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020321\  
 Data File : VD068264.D  
 Acq On : 03 Feb 2021 15:55  
 Operator : VA/SY  
 Sample : M1292-08  
 Misc : 5.14G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Feb 03 23:42:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 19 13:19:08 2021  
 Response via : Initial Calibration

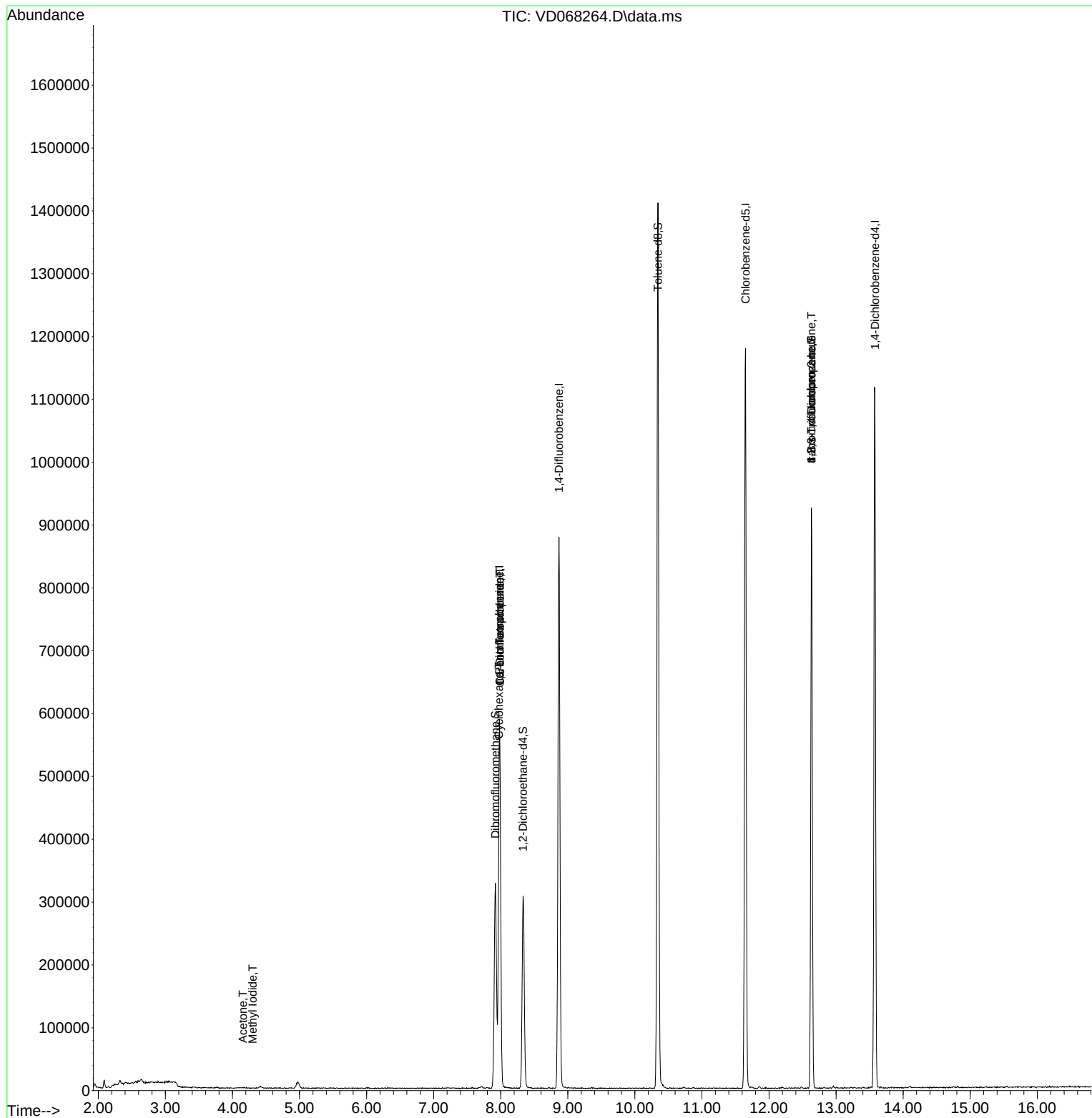
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 441549             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867          | 114  | 790298             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.650         | 117  | 708733             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.579         | 152  | 311716             | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 241430             | 57.16     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 114.32% |           |        |          |
| 35) Dibromofluoromethane      | 7.920          | 113  | 239336             | 54.78     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 109.56% |           |        |          |
| 50) Toluene-d8                | 10.344         | 98   | 991031             | 56.71     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 113.42% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.632         | 95   | 312881             | 49.71     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 99.42%  |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
|                               |                |      |                    |           | Qvalue |          |
| 10) Methyl Iodide             | 4.303          | 142  | 253                | 3.20      | ug/l # | 38       |
| 11) Tert butyl alcohol        | 5.173          | 59   | 57                 | Below Cal | #      | 74       |
| 16) Acetone                   | 4.156          | 43   | 1147               | 1.52      | ug/l # | 44       |
| 20) Methylene Chloride        | 4.973          | 84   | 8372               | Below Cal | #      | 89       |
| 31) Cyclohexane               | 7.973          | 56   | 10132              | 1.11      | ug/l # | 24       |
| 36) 1,1-Dichloropropene       | 7.985          | 75   | 35135              | 4.41      | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.985          | 117  | 43213              | 5.79      | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.632         | 75   | 159299             | 52.85     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632         | 75   | 159299             | 106.95    | ug/l # | 13       |
| -----                         |                |      |                    |           |        |          |

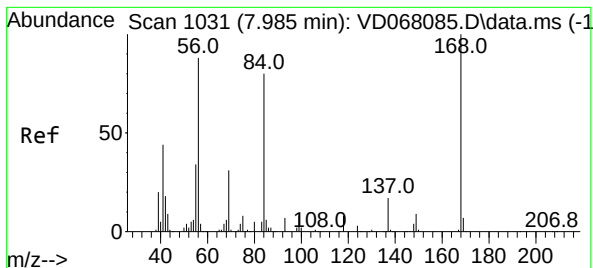
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

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MSVOA\_D  
ClientSampleId :

Quant Time: Feb 03 23:42:50 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 19 13:19:08 2021  
Response via : Initial Calibration

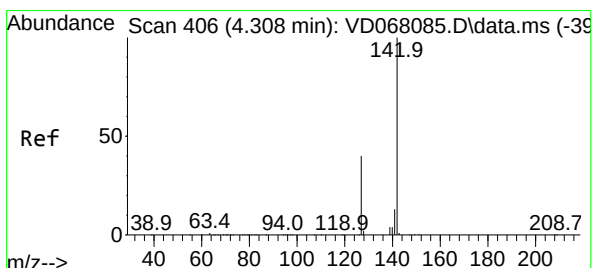
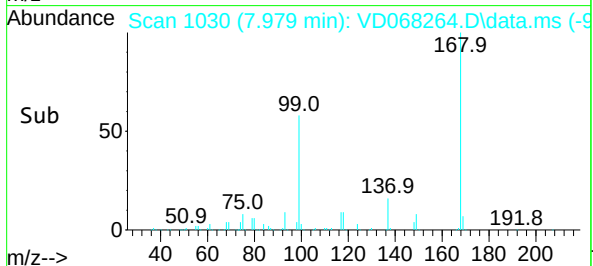
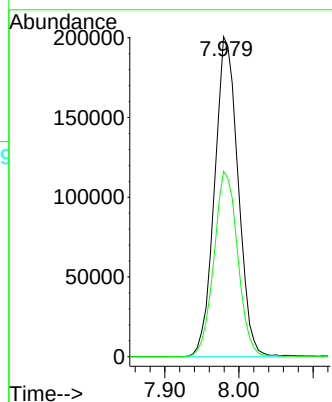
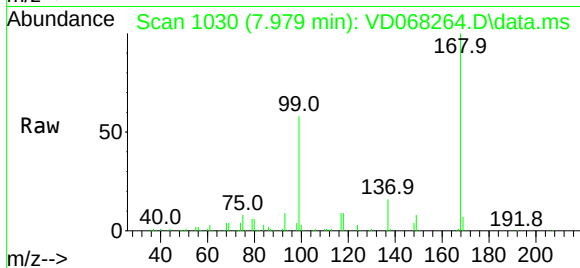




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

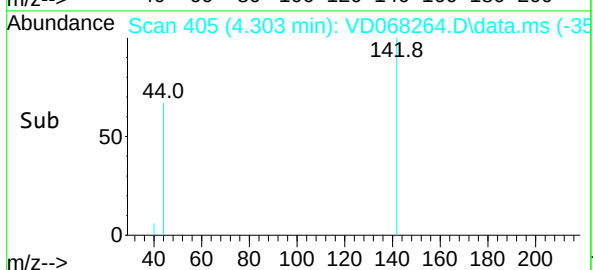
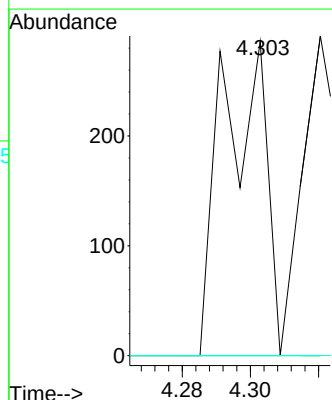
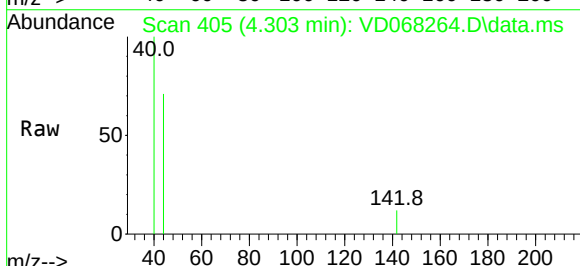
Instrument :  
MSVOA\_D  
ClientSampled :

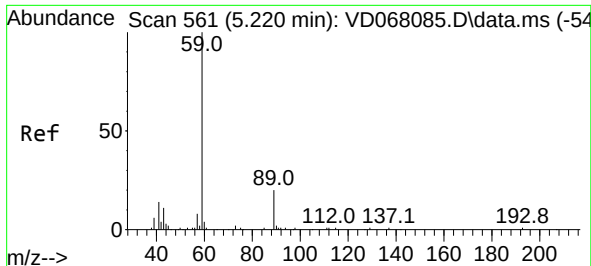
Tgt Ion:168 Resp: 441549  
Ion Ratio Lower Upper  
168 100  
99 58.0 43.5 65.3



#10  
Methyl Iodide  
Concen: 3.20 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. -0.005 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

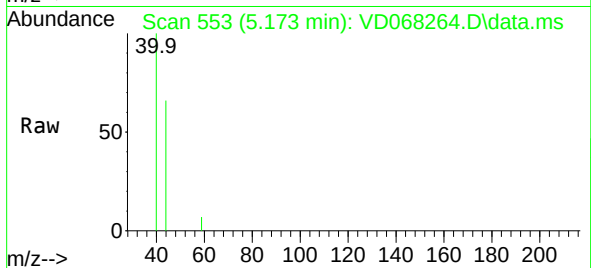
Tgt Ion:142 Resp: 253  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.9 56.9#  
141 0.0 11.5 17.3#



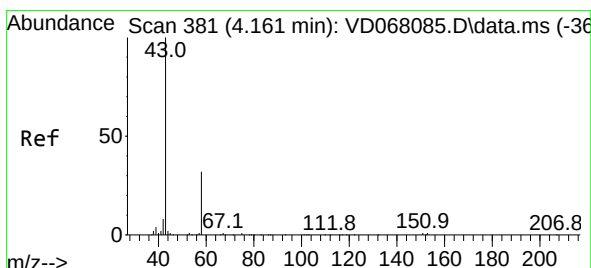
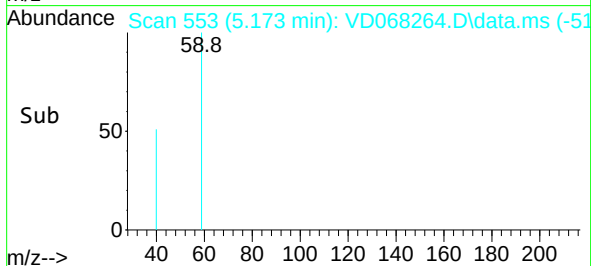
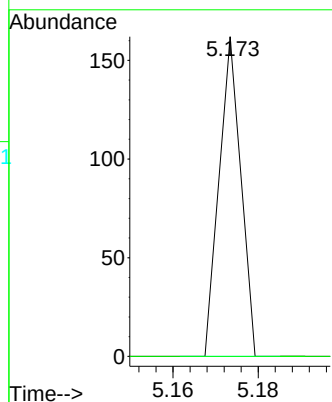


#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.173 min Scan# 553  
Delta R.T. -0.047 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

Instrument :  
MSVOA\_D  
ClientSampled :

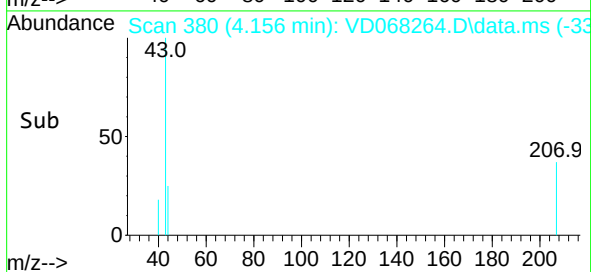
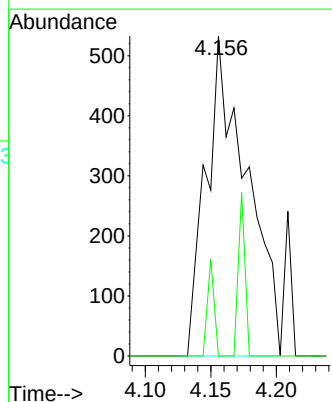
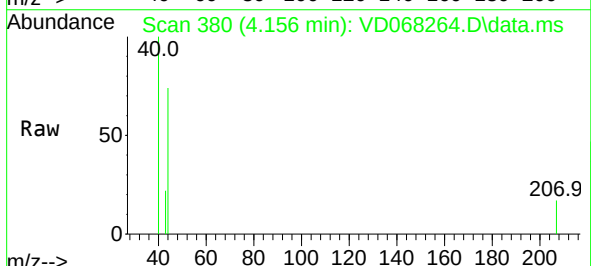


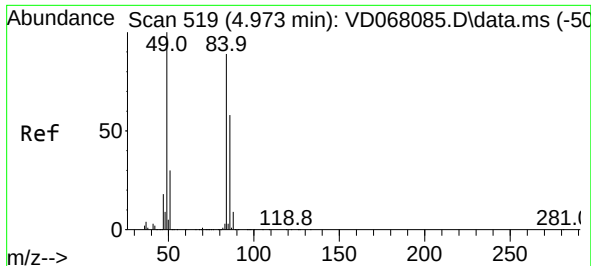
Tgt Ion: 59 Resp: 57  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#



#16  
Acetone  
Concen: 1.52 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.006 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

Tgt Ion: 43 Resp: 1147  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.2 36.4#

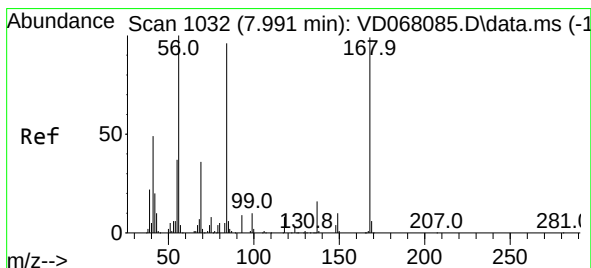
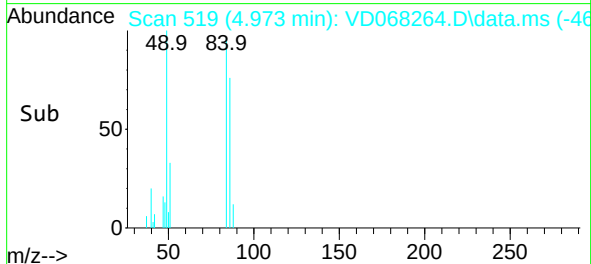
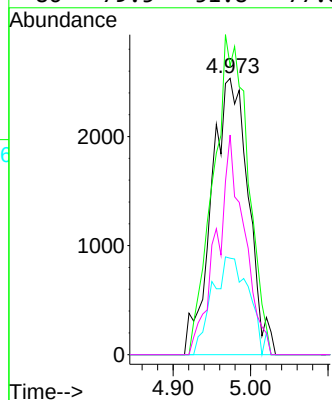
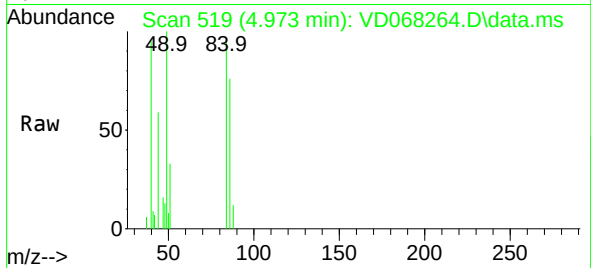




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.973 min Scan# 519  
Delta R.T. 0.000 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

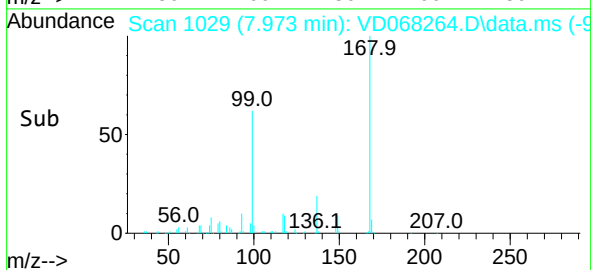
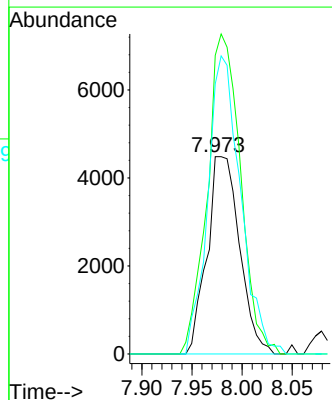
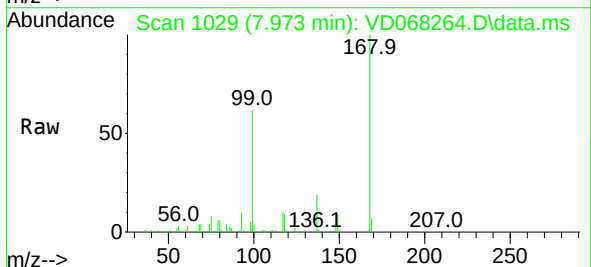
Instrument :  
MSVOA\_D  
ClientSampled :

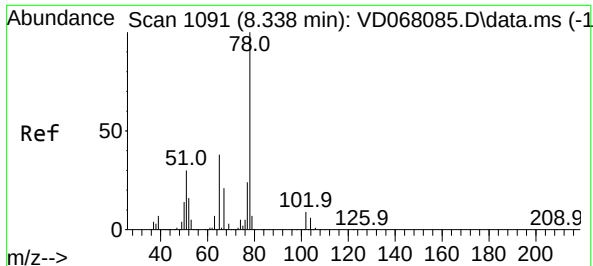
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 8372  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 104.5 | 77.4  | 116.2 |
| 51       | 34.9  | 26.1  | 39.1  |
| 86       | 79.5  | 51.8  | 77.8# |



#31  
Cyclohexane  
Concen: 1.11 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.017 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 10132  |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 151.3 | 30.1  | 45.1#  |
| 84       | 136.9 | 82.1  | 123.1# |

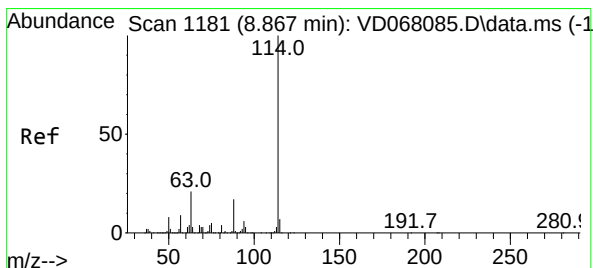
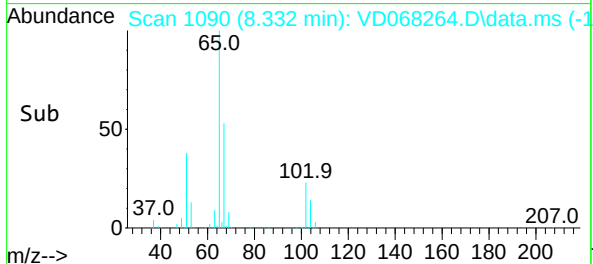
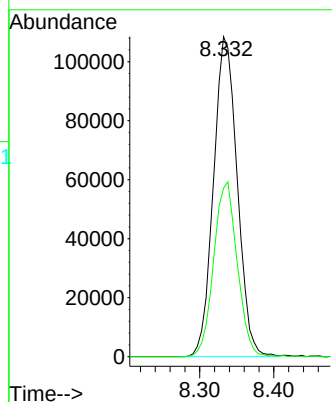
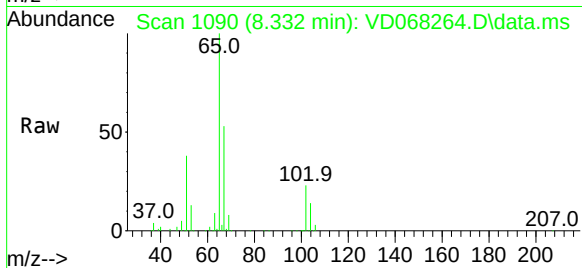




#33  
1,2-Dichloroethane-d4  
Concen: 57.16 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

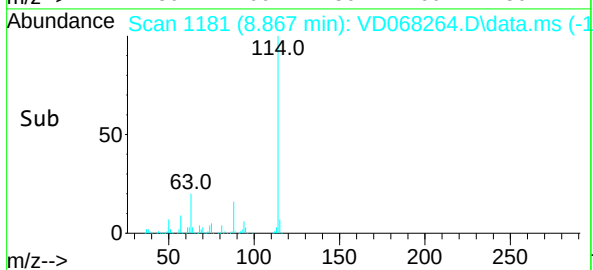
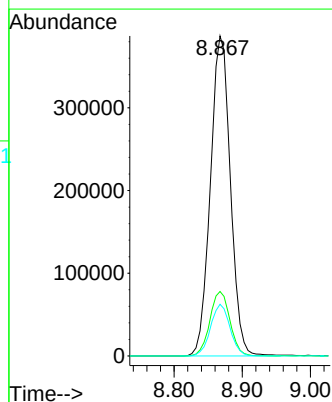
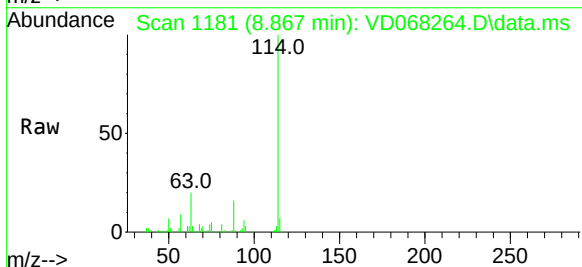
Instrument :  
MSVOA\_D  
ClientSampled :

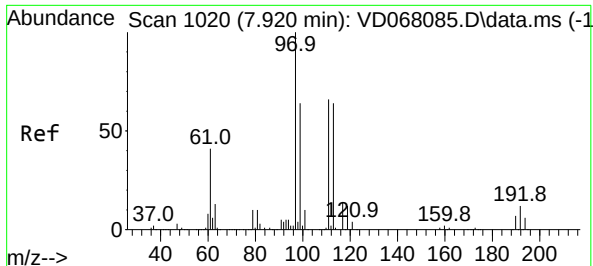
Tgt Ion: 65 Resp: 241430  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 105.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

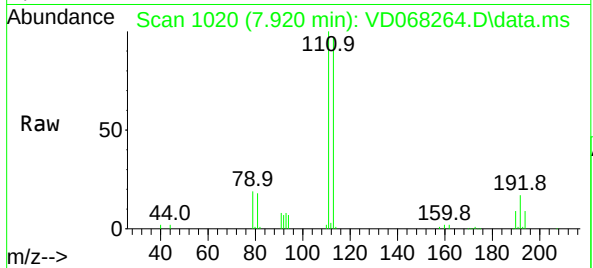
Tgt Ion: 114 Resp: 790298  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 34.8  
88 16.2 0.0 31.6



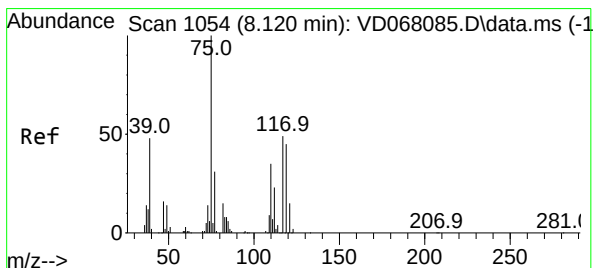
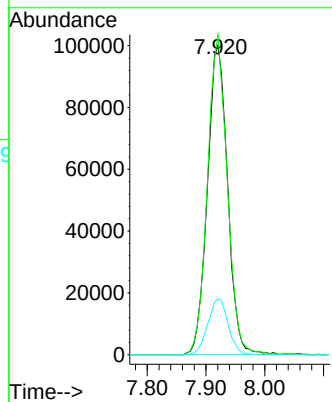
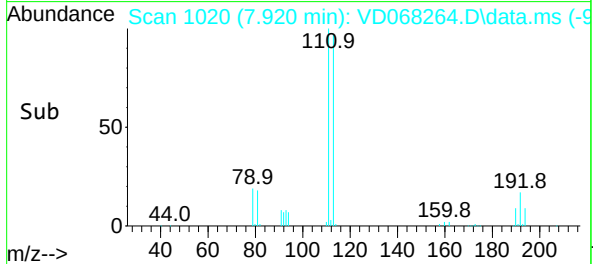


#35  
Dibromofluoromethane  
Concen: 54.78 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

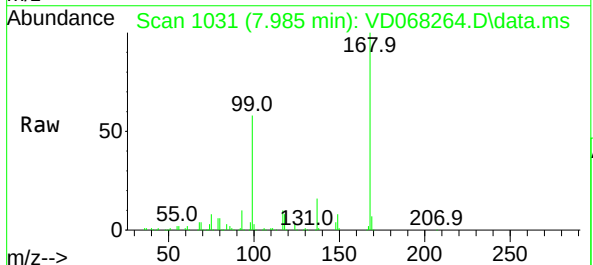
Instrument :  
MSVOA\_D  
ClientSampled :



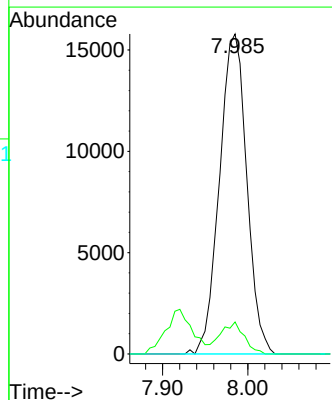
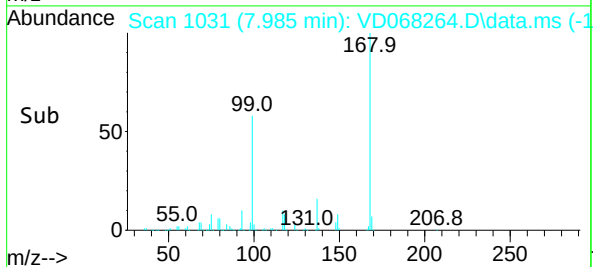
Tgt Ion:113 Resp: 239336  
Ion Ratio Lower Upper  
113 100  
111 101.2 81.4 122.0  
192 18.1 16.1 24.1

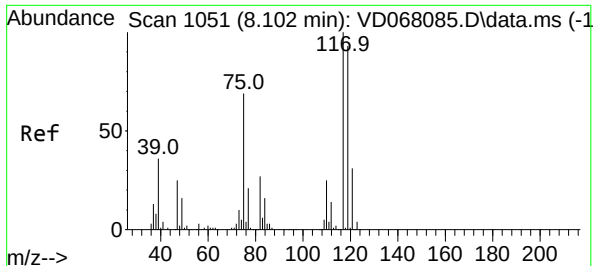


#36  
1,1-Dichloropropene  
Concen: 4.41 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.135 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55



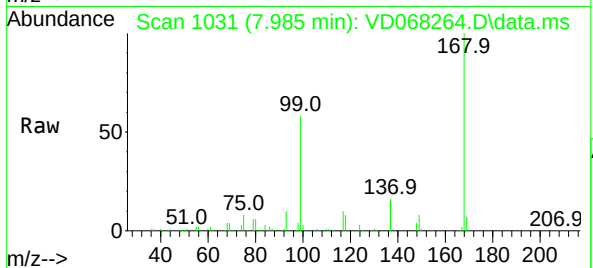
Tgt Ion: 75 Resp: 35135  
Ion Ratio Lower Upper  
75 100  
110 8.6 19.4 58.2#  
77 0.0 25.3 37.9#



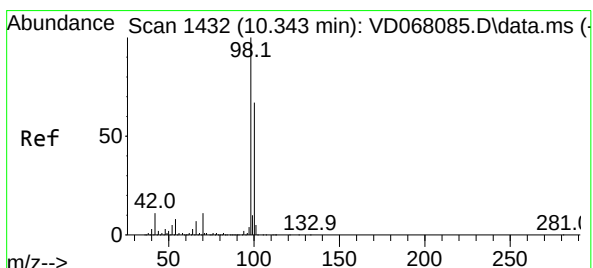
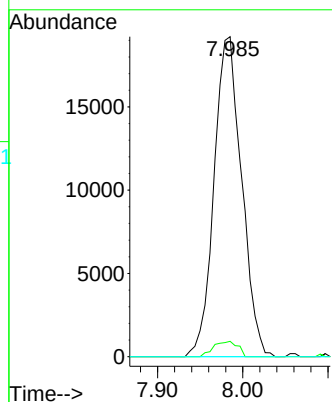
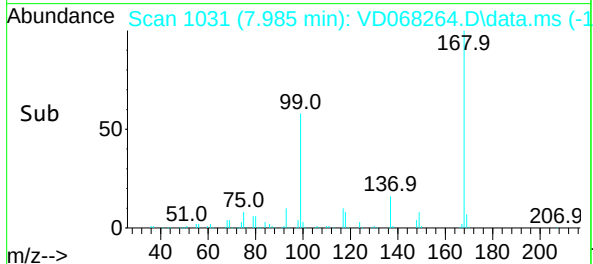


#38  
Carbon Tetrachloride  
Concen: 5.79 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.117 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

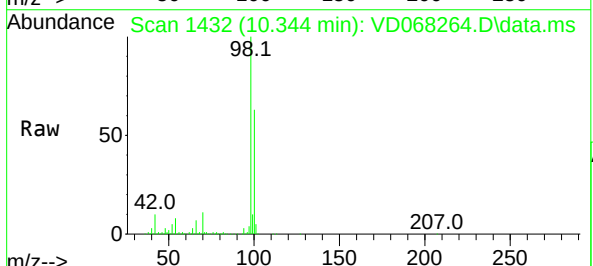
Instrument :  
MSVOA\_D  
ClientSampleId :



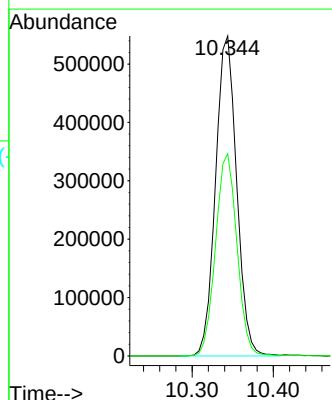
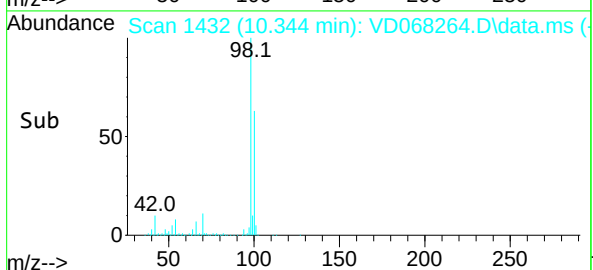
Tgt Ion:117 Resp: 43213  
Ion Ratio Lower Upper  
117 100  
119 4.8 77.3 115.9#  
121 0.0 24.7 37.1#



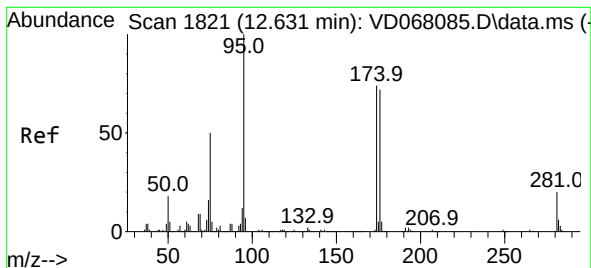
#50  
Toluene-d8  
Concen: 56.71 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55



Tgt Ion: 98 Resp: 991031  
Ion Ratio Lower Upper  
98 100  
100 64.2 53.0 79.4



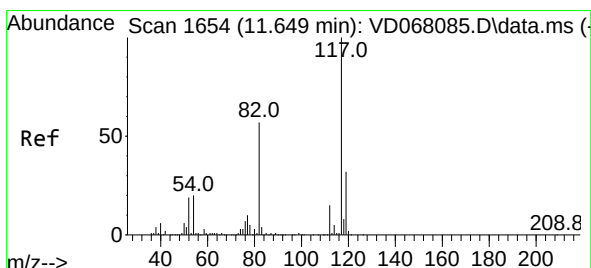
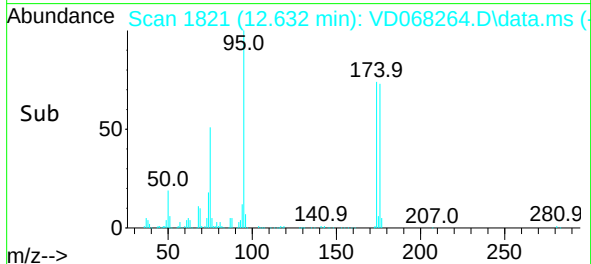
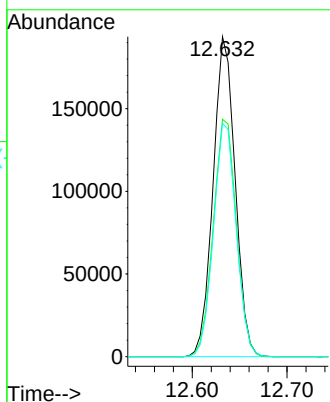
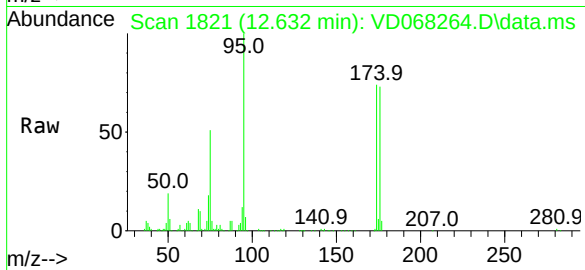




#62  
4-Bromofluorobenzene  
Concen: 49.71 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

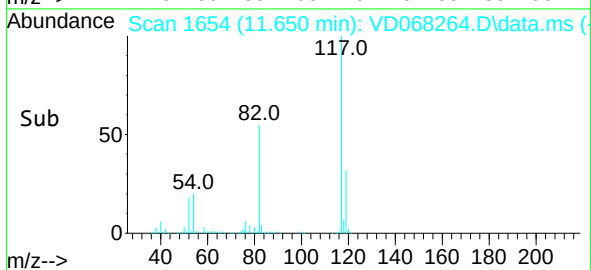
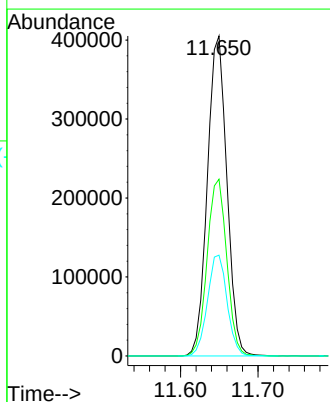
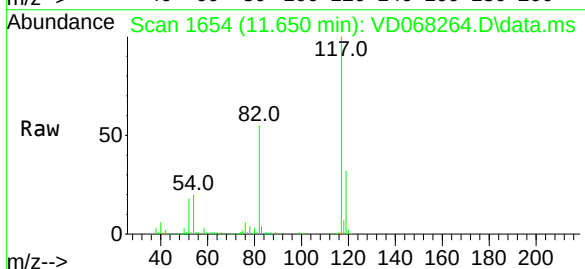
Instrument :  
MSVOA\_D  
ClientSampleId :

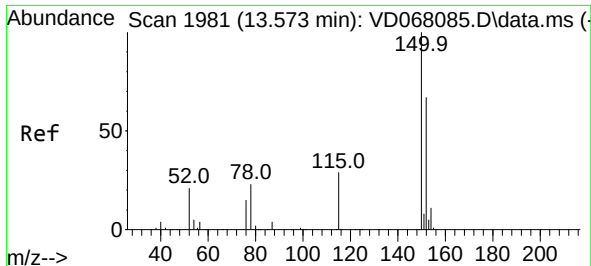
Tgt Ion: 95 Resp: 312881  
Ion Ratio Lower Upper  
95 100  
174 77.9 0.0 172.4  
176 75.1 0.0 168.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.650 min Scan# 1654  
Delta R.T. 0.001 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

Tgt Ion: 117 Resp: 708733  
Ion Ratio Lower Upper  
117 100  
82 55.3 41.4 62.0  
119 31.5 26.1 39.1

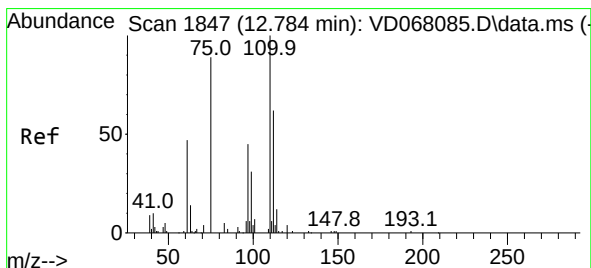
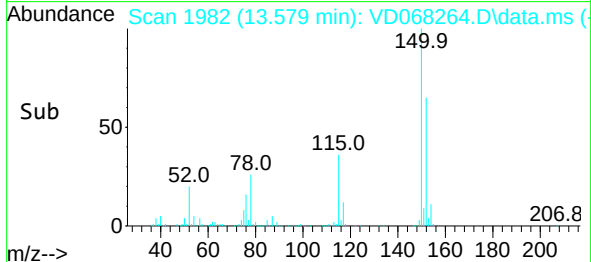
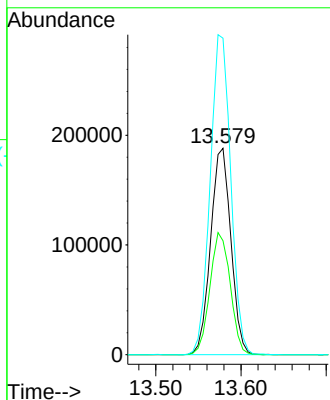
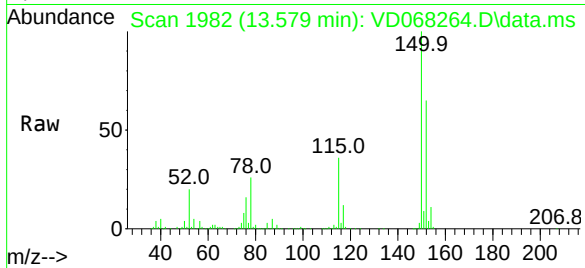




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.579 min Scan# 1982  
Delta R.T. 0.006 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

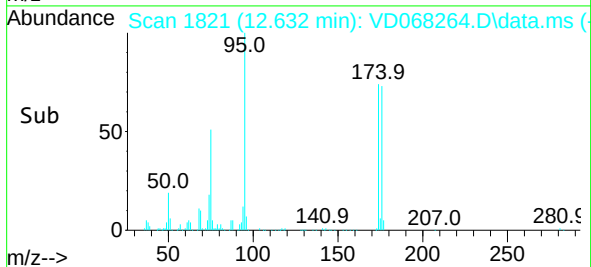
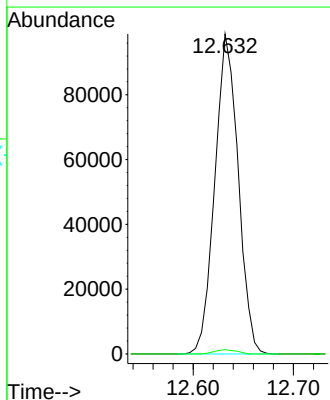
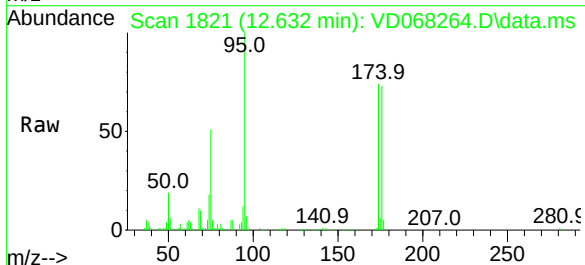
Instrument :  
MSVOA\_D  
ClientSampled :

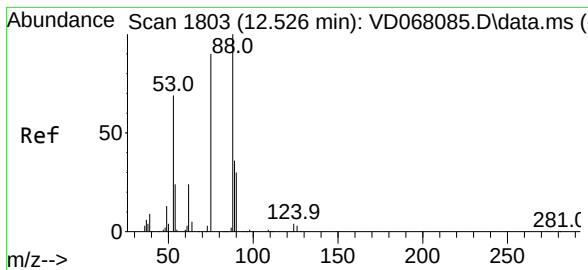
Tgt Ion:152 Resp: 311716  
Ion Ratio Lower Upper  
152 100  
115 59.2 28.9 86.8  
150 157.1 0.0 344.4



#76  
1,2,3-Trichloropropane  
Concen: 52.85 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.153 min  
Lab File: VD068264.D  
Acq: 03 Feb 2021 15:55

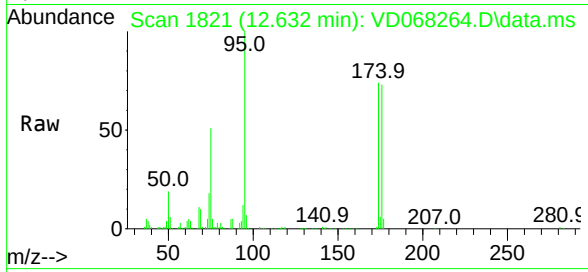
Tgt Ion: 75 Resp: 159299  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 106.95 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. 0.106 min  
 Lab File: VD068264.D  
 Acq: 03 Feb 2021 15:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :



Tgt Ion: 75 Resp: 159299  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 70.2 105.2#  
 89 0.0 40.3 60.5#

