

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
 Data File : VD068340.D  
 Acq On : 10 Feb 2021 12:06  
 Operator : VA/SY  
 Sample : VD0210SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Feb 11 00:10:33 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

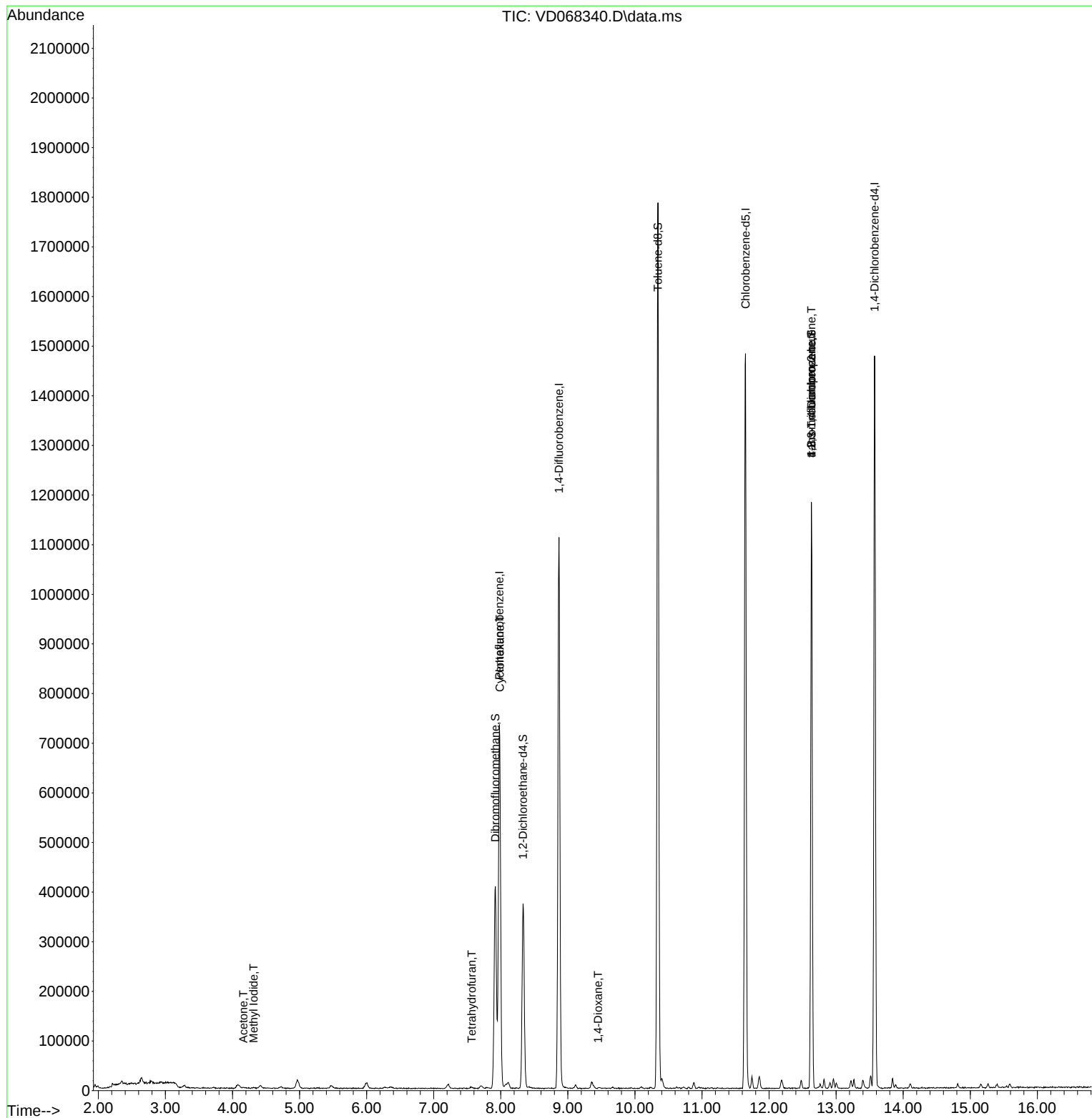
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 548178             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867          | 114  | 996637             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.649         | 117  | 899957             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573         | 152  | 399214             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 296455             | 56.53     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 113.06% |           |        |          |
| 35) Dibromofluoromethane      | 7.920          | 113  | 298875             | 54.24     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 108.48% |           |        |          |
| 50) Toluene-d8                | 10.344         | 98   | 1247318            | 56.59     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 113.18% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.632         | 95   | 401901             | 50.64     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 101.28% |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        | Qvalue   |
| 10) Methyl Iodide             | 4.314          | 142  | 2796               | 3.55      | ug/l # | 79       |
| 11) Tert butyl alcohol        | 5.244          | 59   | 54                 | Below Cal | #      | 74       |
| 16) Acetone                   | 4.162          | 43   | 3502               | 3.74      | ug/l   | 92       |
| 20) Methylene Chloride        | 4.967          | 84   | 13617              | Below Cal |        | 96       |
| 29) Tetrahydrofuran           | 7.567          | 42   | 1435               | 1.57      | ug/l # | 73       |
| 31) Cyclohexane               | 7.985          | 56   | 16562              | 1.46      | ug/l # | 41       |
| 49) 1,4-Dioxane               | 9.450          | 88   | 81                 | 1.98      | ug/l # | 59       |
| 76) 1,2,3-Trichloropropane    | 12.632         | 75   | 201958             | 52.32     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632         | 75   | 201958             | 105.87    | ug/l # | 13       |
| -----                         |                |      |                    |           |        |          |

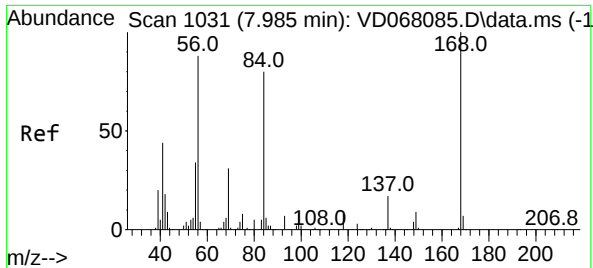
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021021\  
Data File : VD068340.D  
Acq On : 10 Feb 2021 12:06  
Operator : VA/SY  
Sample : VD0210SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Feb 11 00:10:33 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

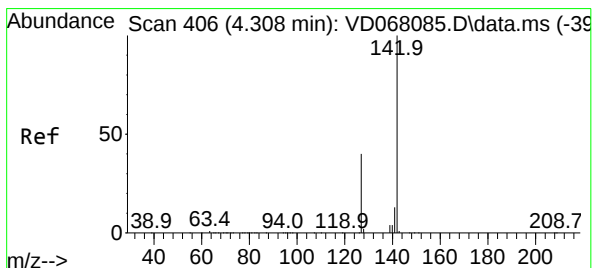
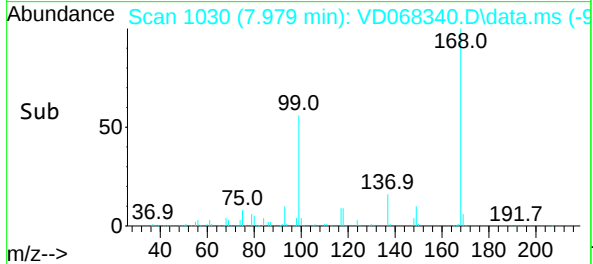
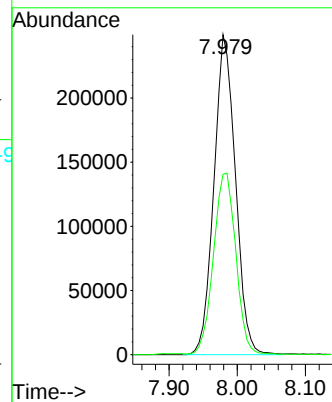
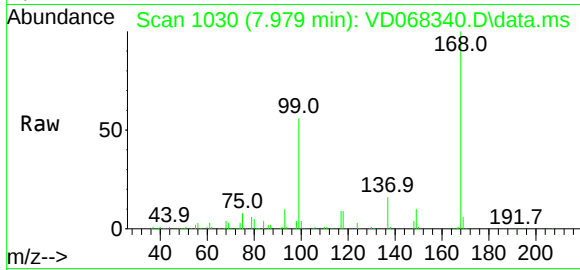




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

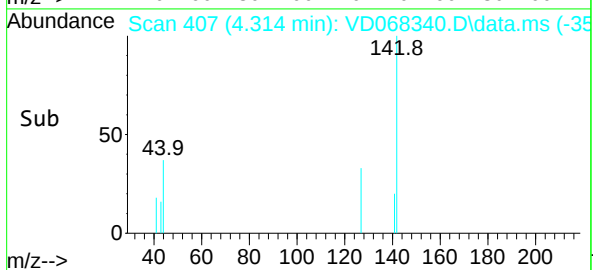
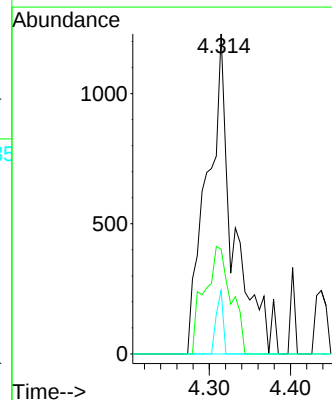
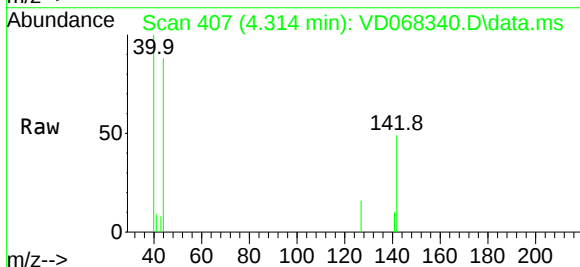
Instrument :  
MSVOA\_D  
ClientSampled :

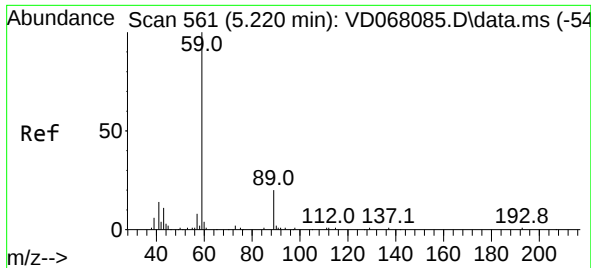
Tgt Ion:168 Resp: 548178  
Ion Ratio Lower Upper  
168 100  
99 56.2 43.5 65.3



#10  
Methyl Iodide  
Concen: 3.55 ug/l  
RT: 4.314 min Scan# 407  
Delta R.T. 0.006 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

Tgt Ion:142 Resp: 2796  
Ion Ratio Lower Upper  
142 100  
127 33.6 37.9 56.9#  
141 5.0 11.5 17.3#

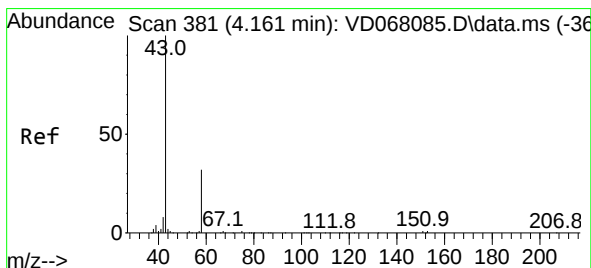
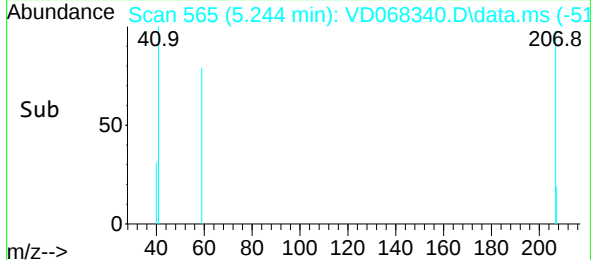
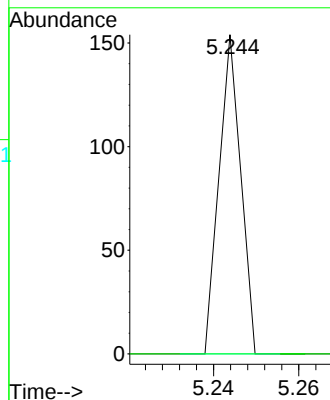
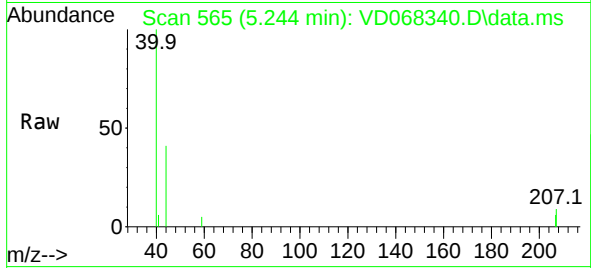




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.244 min Scan# 565  
Delta R.T. 0.024 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

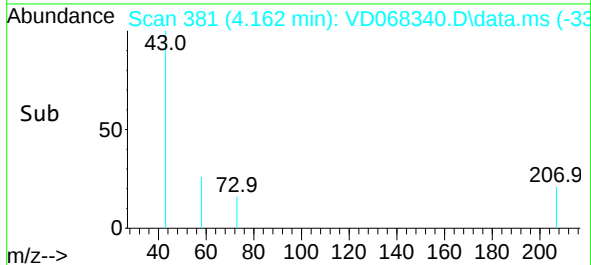
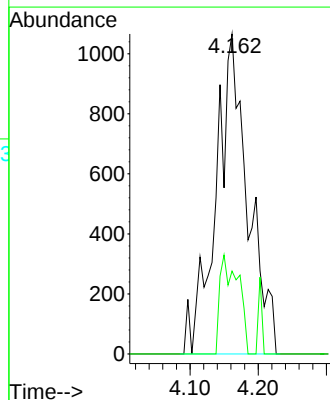
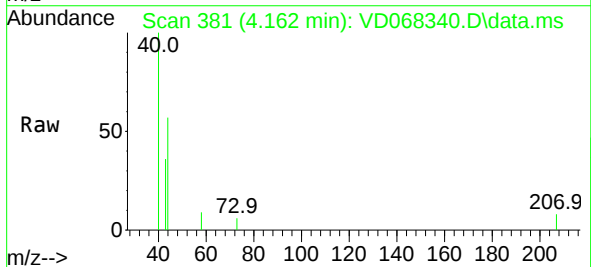
Instrument :  
MSVOA\_D  
ClientSampled :

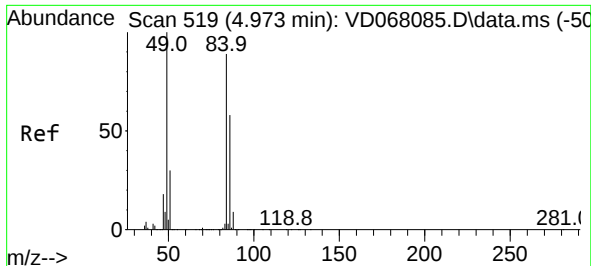
Tgt Ion: 59 Resp: 54  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#



#16  
Acetone  
Concen: 3.74 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.000 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

Tgt Ion: 43 Resp: 3502  
Ion Ratio Lower Upper  
43 100  
58 25.9 24.2 36.4

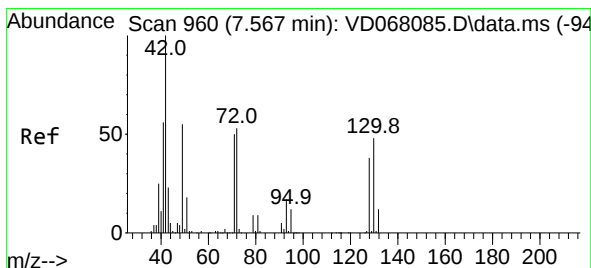
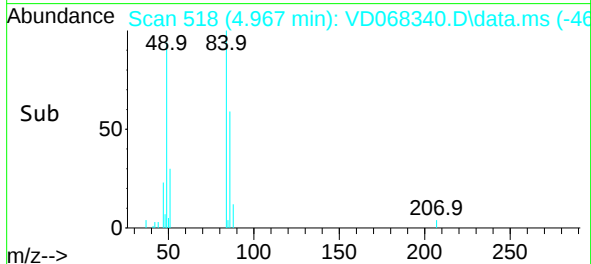
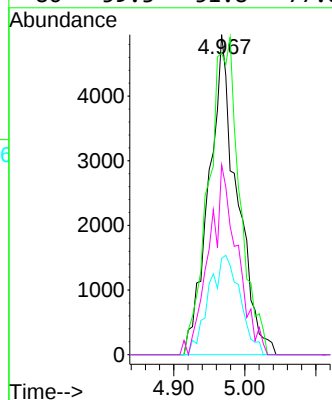
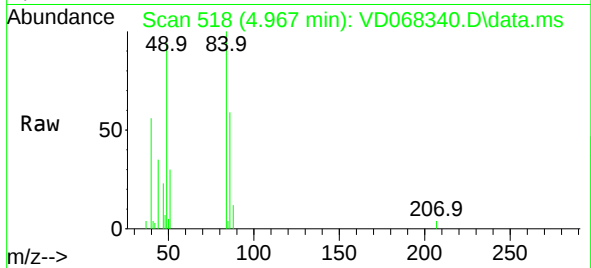




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.967 min Scan# 518  
Delta R.T. -0.006 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

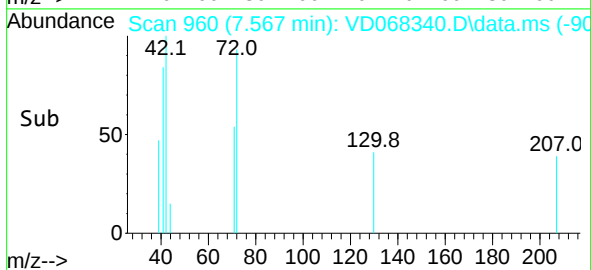
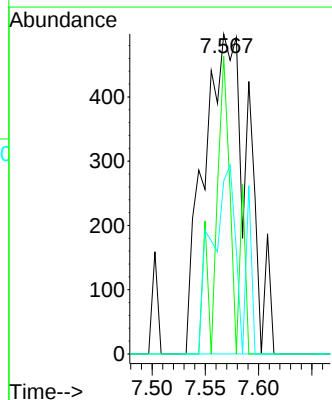
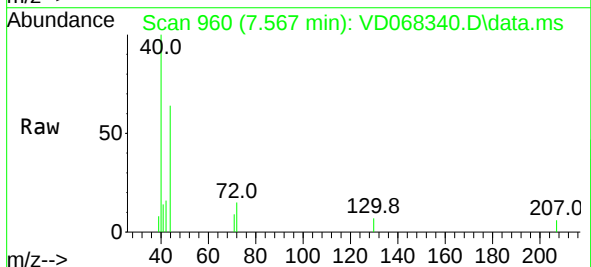
Instrument :  
MSVOA\_D  
ClientSampleId :

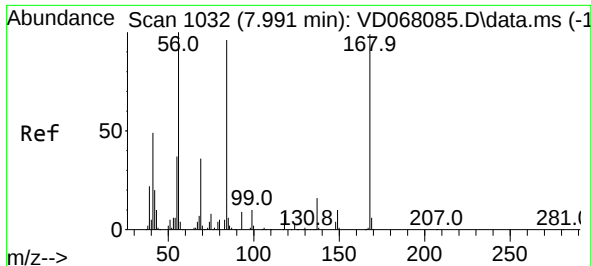
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 13617 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 94.2  | 77.4  | 116.2 |
| 51       | 30.1  | 26.1  | 39.1  |
| 86       | 59.3  | 51.8  | 77.8  |



#29  
Tetrahydrofuran  
Concen: 1.57 ug/l  
RT: 7.567 min Scan# 960  
Delta R.T. 0.000 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 1435  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 35.5  | 43.4  | 65.0# |
| 71       | 30.8  | 40.8  | 61.2# |

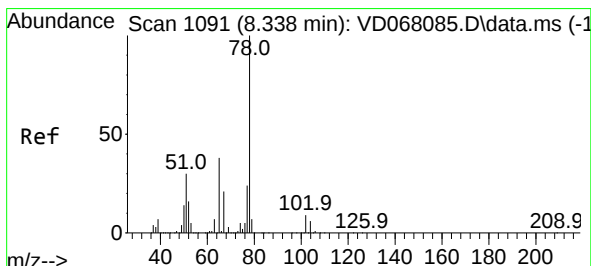
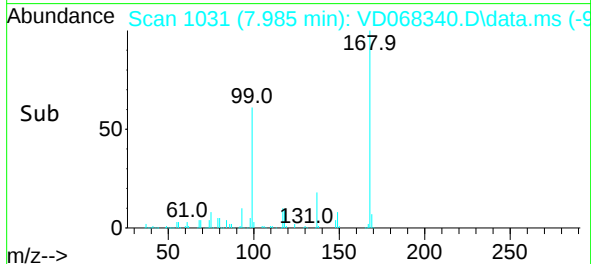
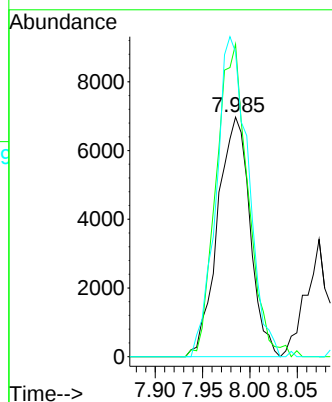
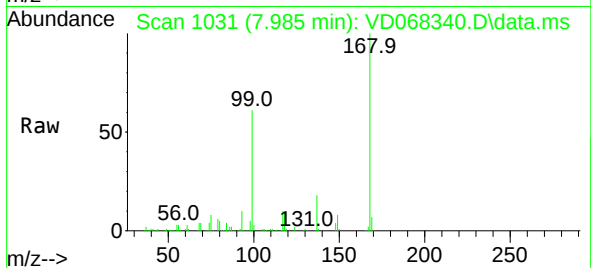




#31  
Cyclohexane  
Concen: 1.46 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

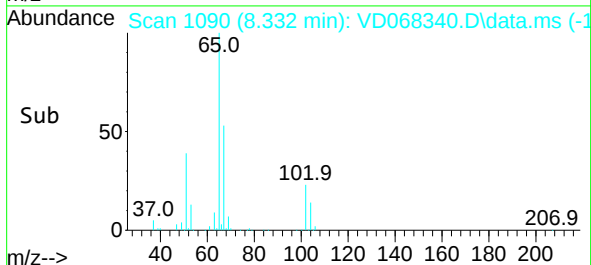
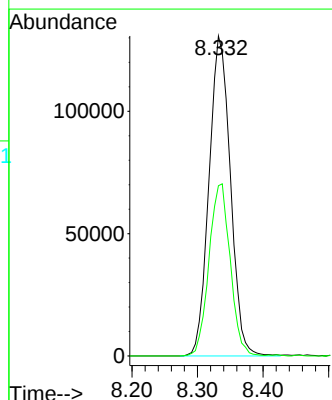
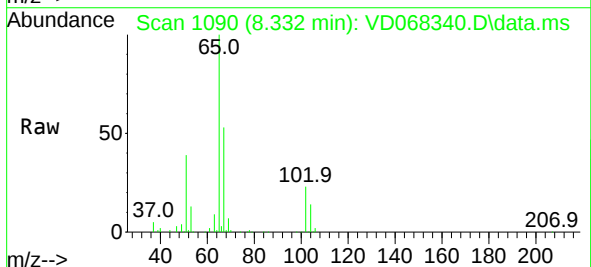
Instrument :  
MSVOA\_D  
ClientSampled :

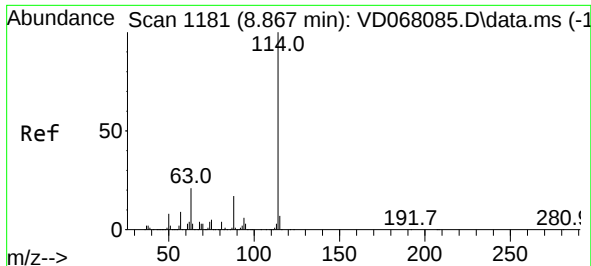
Tgt Ion: 56 Resp: 16562  
Ion Ratio Lower Upper  
56 100  
69 130.5 30.1 45.1#  
84 127.1 82.1 123.1#



#33  
1,2-Dichloroethane-d4  
Concen: 56.53 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

Tgt Ion: 65 Resp: 296455  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 105.0

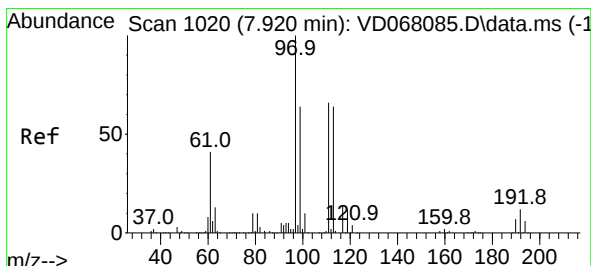
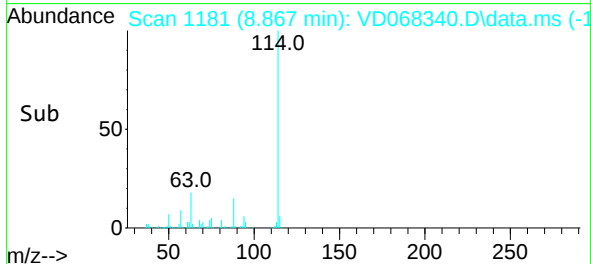
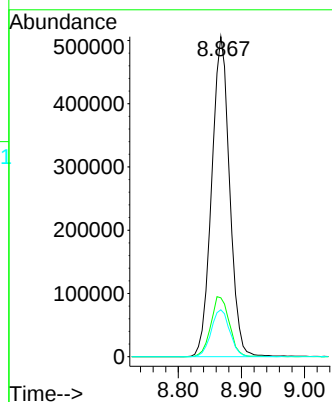
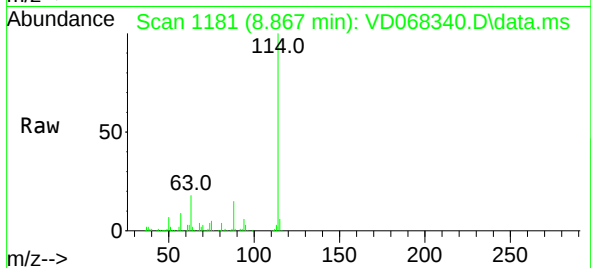




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

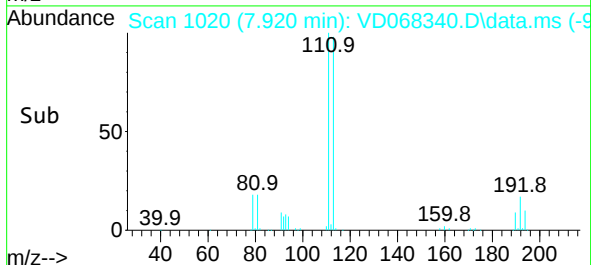
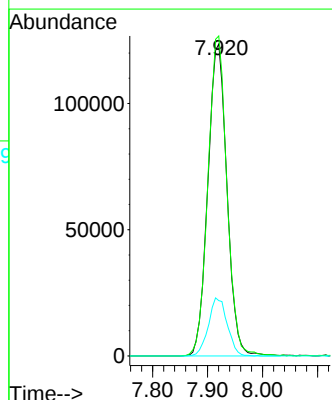
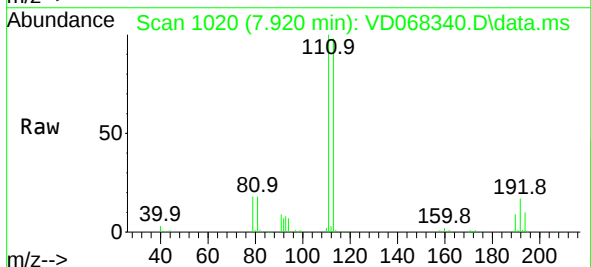
Instrument :  
MSVOA\_D  
ClientSampled :

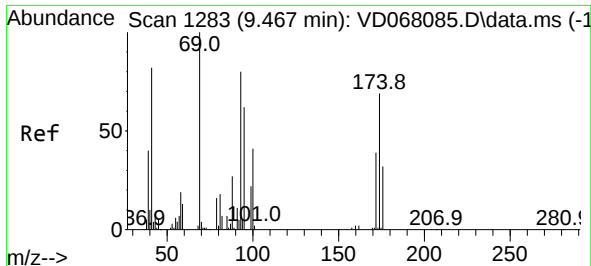
Tgt Ion:114 Resp: 996637  
Ion Ratio Lower Upper  
114 100  
63 18.4 0.0 34.8  
88 14.7 0.0 31.6



#35  
Dibromofluoromethane  
Concen: 54.24 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

Tgt Ion:113 Resp: 298875  
Ion Ratio Lower Upper  
113 100  
111 101.7 81.4 122.0  
192 18.3 16.1 24.1

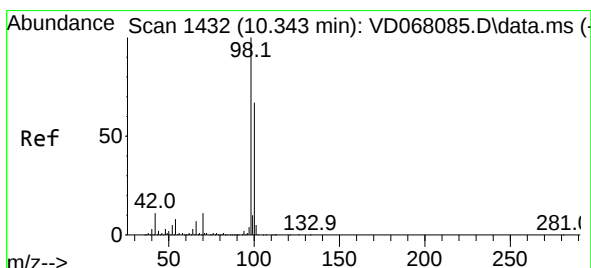
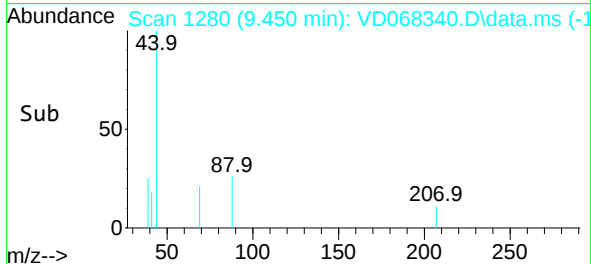
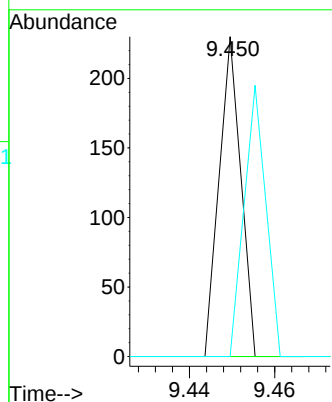
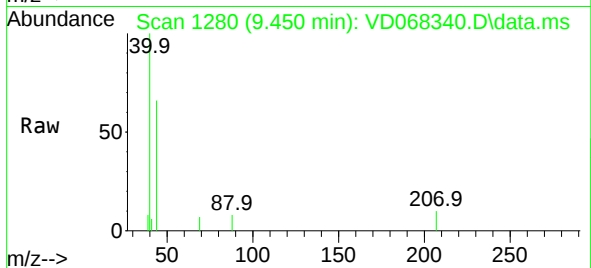




#49  
1,4-Dioxane  
Concen: 1.98 ug/l  
RT: 9.450 min Scan# 1280  
Delta R.T. -0.017 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

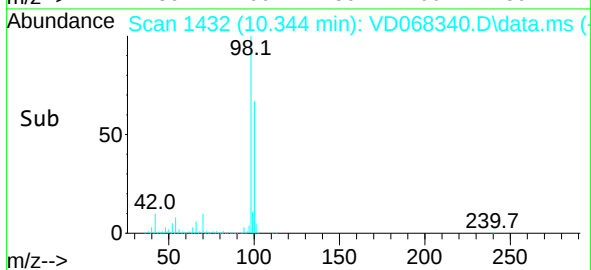
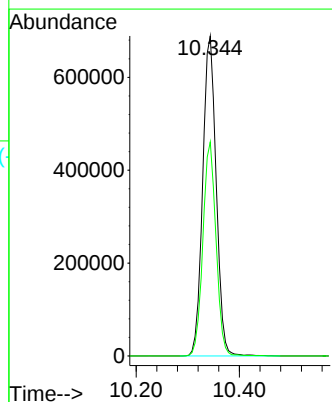
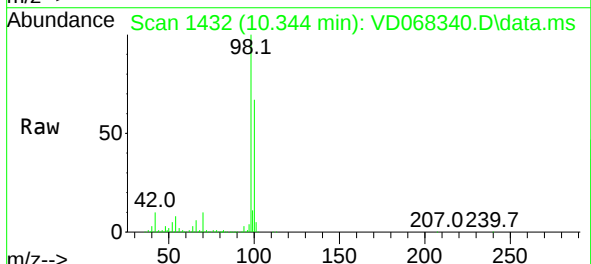
Instrument :  
MSVOA\_D  
ClientSampled :

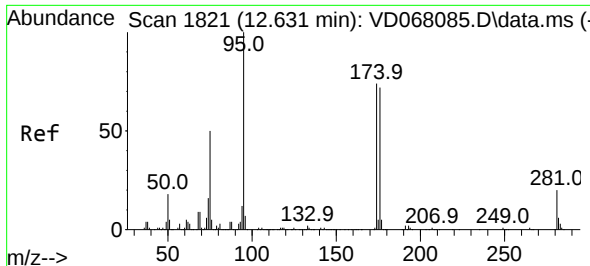
Tgt Ion: 88 Resp: 81  
Ion Ratio Lower Upper  
88 100  
43 0.0 22.1 33.1#  
58 85.2 46.7 70.1#



#50  
Toluene-d8  
Concen: 56.59 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

Tgt Ion: 98 Resp: 1247318  
Ion Ratio Lower Upper  
98 100  
100 65.2 53.0 79.4

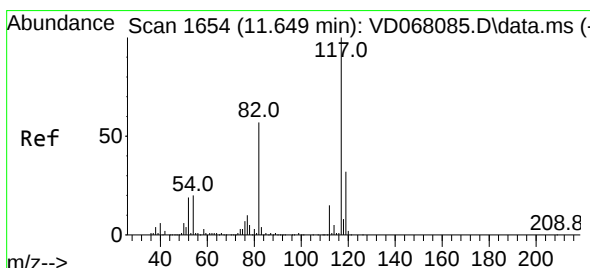
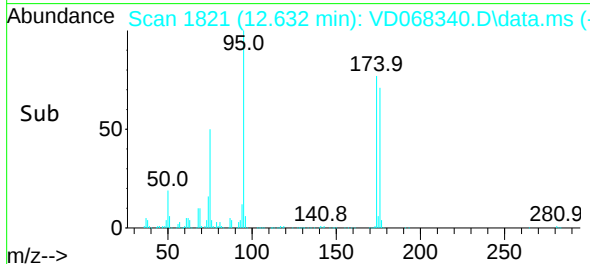
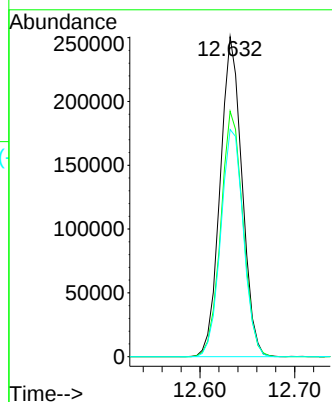
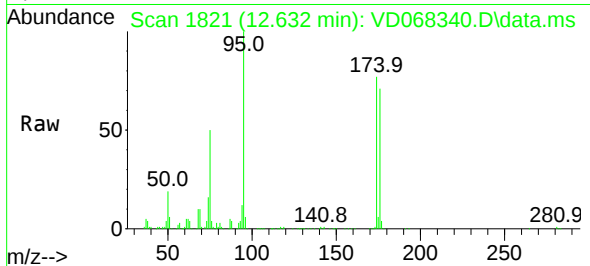




#62  
4-Bromofluorobenzene  
Concen: 50.64 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

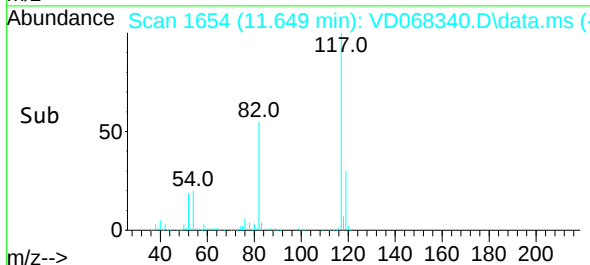
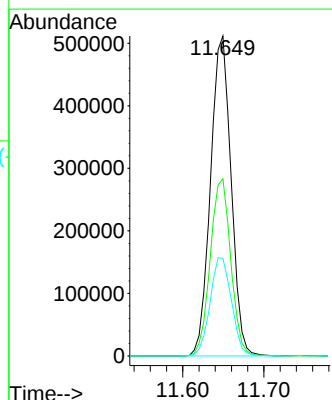
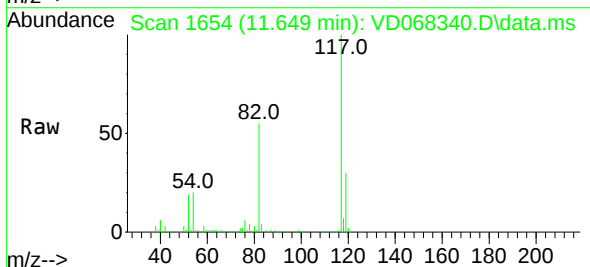
Instrument :  
MSVOA\_D  
ClientSampled :

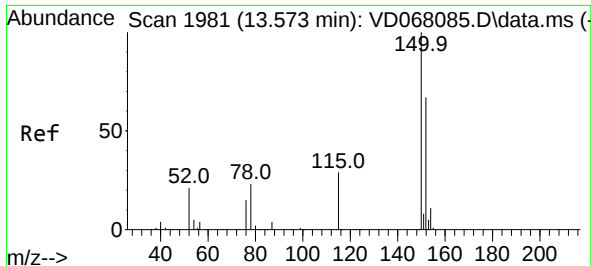
Tgt Ion: 95 Resp: 401901  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 172.4  
176 73.5 0.0 168.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.649 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

Tgt Ion: 117 Resp: 899957  
Ion Ratio Lower Upper  
117 100  
82 55.4 41.4 62.0  
119 30.5 26.1 39.1

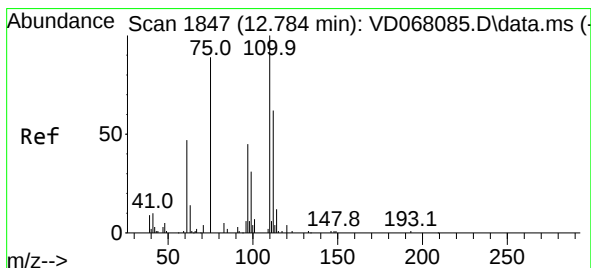
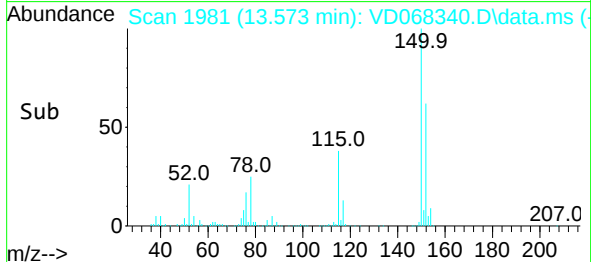
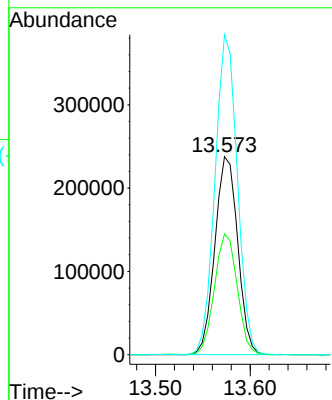
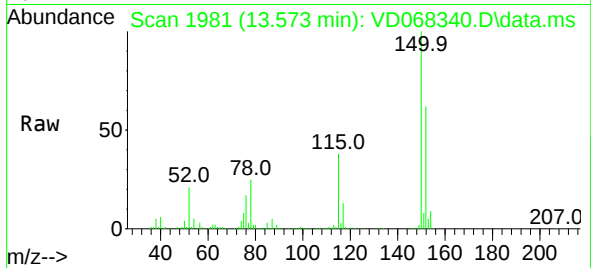




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

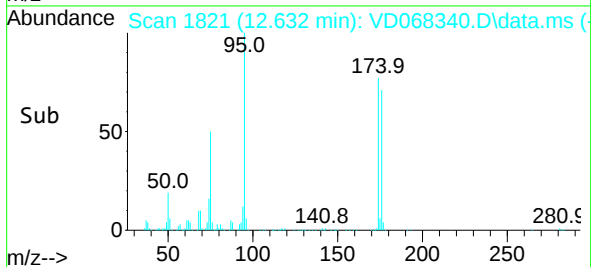
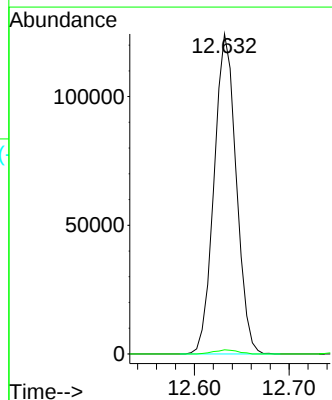
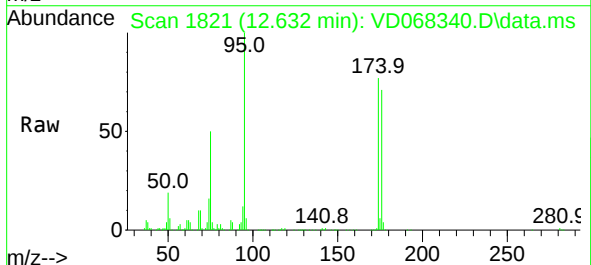
Instrument :  
MSVOA\_D  
ClientSampleId :

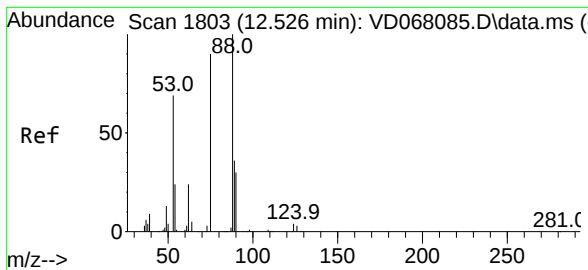
Tgt Ion:152 Resp: 399214  
Ion Ratio Lower Upper  
152 100  
115 60.7 28.9 86.8  
150 157.9 0.0 344.4



#76  
1,2,3-Trichloropropane  
Concen: 52.32 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.153 min  
Lab File: VD068340.D  
Acq: 10 Feb 2021 12:06

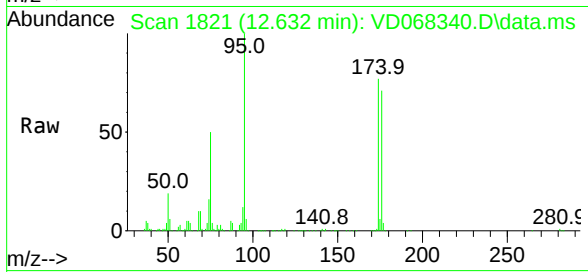
Tgt Ion: 75 Resp: 201958  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 105.87 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. 0.106 min  
 Lab File: VD068340.D  
 Acq: 10 Feb 2021 12:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :



Tgt Ion: 75 Resp: 201958  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 70.2 105.2#  
 89 0.0 40.3 60.5#

