

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020821\  
 Data File : VD068322.D  
 Acq On : 08 Feb 2021 17:13  
 Operator : VA/SY  
 Sample : M1339-01RE  
 Misc : 5.73G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Feb 09 00:16:30 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

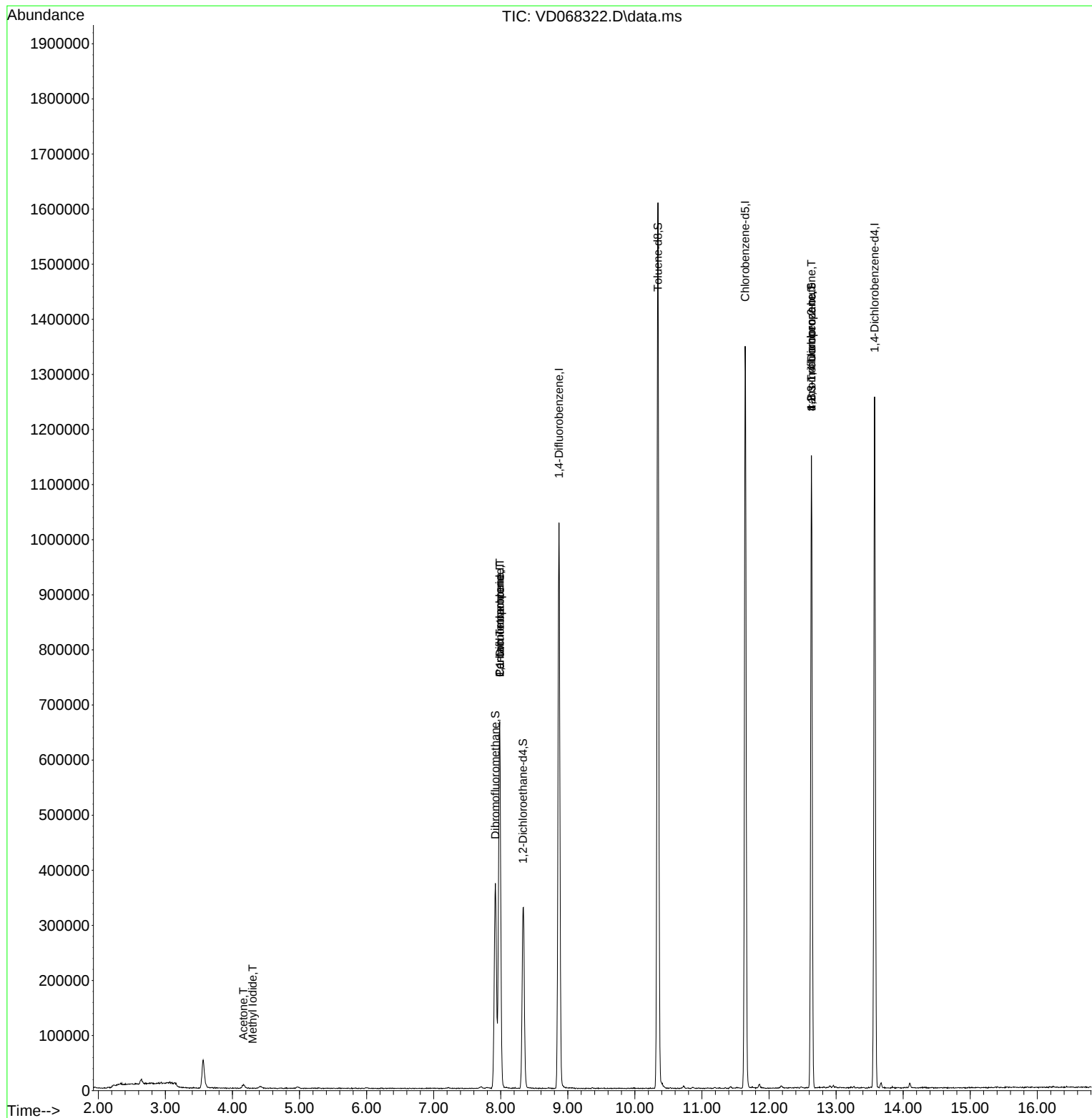
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.985          | 168  | 517683             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867          | 114  | 909881             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.644         | 117  | 804009             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573         | 152  | 338776             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 273050             | 55.14     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 110.28% |           |        |          |
| 35) Dibromofluoromethane      | 7.920          | 113  | 272550             | 54.18     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 108.36% |           |        |          |
| 50) Toluene-d8                | 10.344         | 98   | 1125566            | 55.94     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 111.88% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.632         | 95   | 349592             | 48.25     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 96.50%  |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        | Qvalue   |
| 10) Methyl Iodide             | 4.303          | 142  | 119                | 3.18      | ug/l # | 38       |
| 11) Tert butyl alcohol        | 5.220          | 59   | 96                 | Below Cal | #      | 74       |
| 16) Acetone                   | 4.162          | 43   | 11778              | 13.32     | ug/l # | 88       |
| 20) Methylene Chloride        | 4.979          | 84   | 1746               | Below Cal |        | 86       |
| 36) 1,1-Dichloropropene       | 7.985          | 75   | 39340              | 4.29      | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.985          | 117  | 50034              | 5.83      | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.632         | 75   | 176508             | 53.89     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632         | 75   | 176508             | 109.04    | ug/l # | 14       |
| -----                         |                |      |                    |           |        |          |

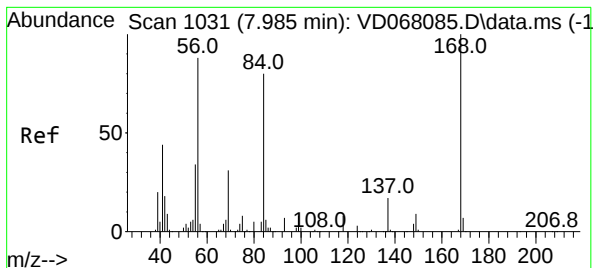
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Feb 09 00:16:30 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

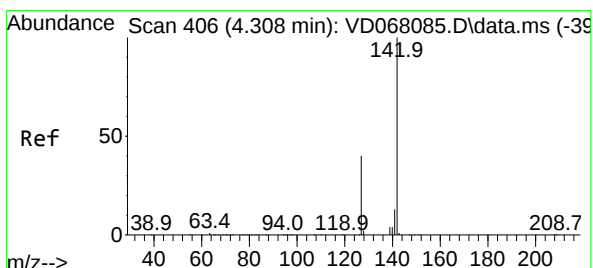
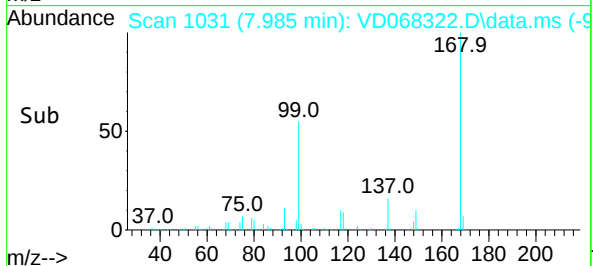
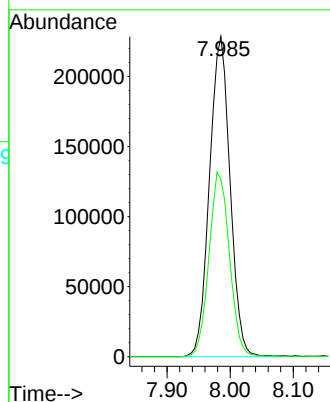
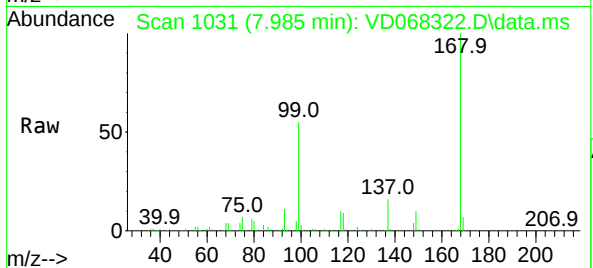




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

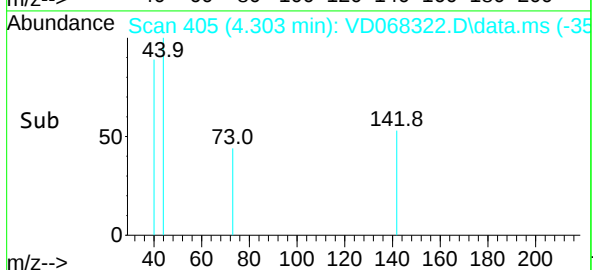
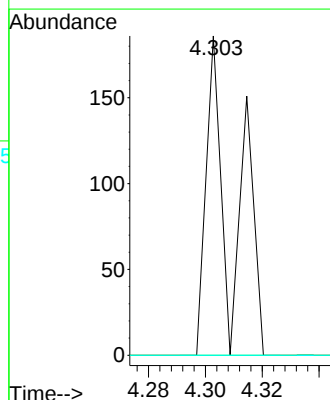
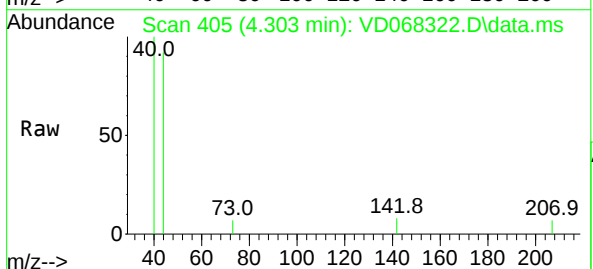
Instrument :  
MSVOA\_D  
ClientSampled :

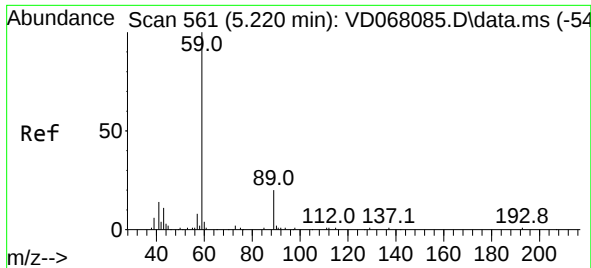
Tgt Ion:168 Resp: 517683  
Ion Ratio Lower Upper  
168 100  
99 55.4 43.5 65.3



#10  
Methyl Iodide  
Concen: 3.18 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. -0.005 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

Tgt Ion:142 Resp: 119  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.9 56.9#  
141 0.0 11.5 17.3#

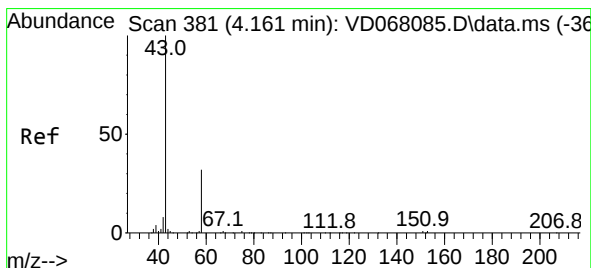
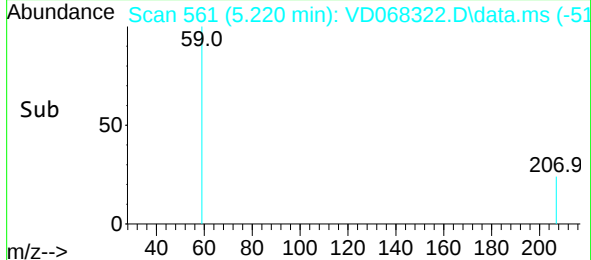
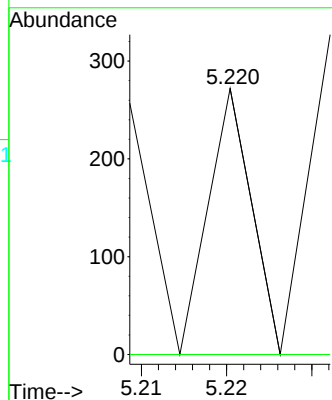
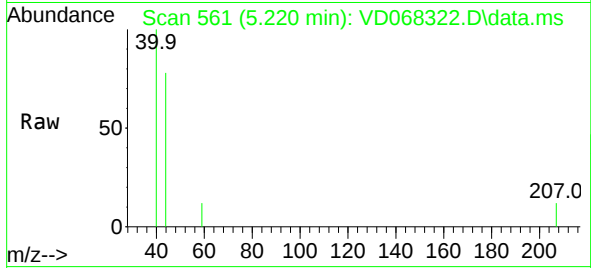




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.220 min Scan# 561  
Delta R.T. 0.000 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

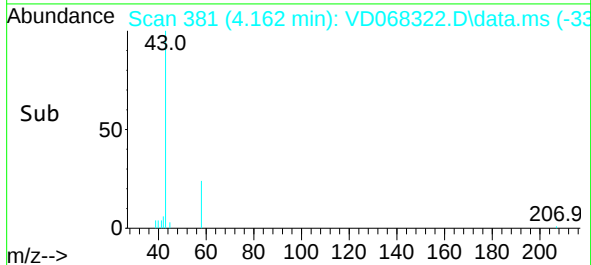
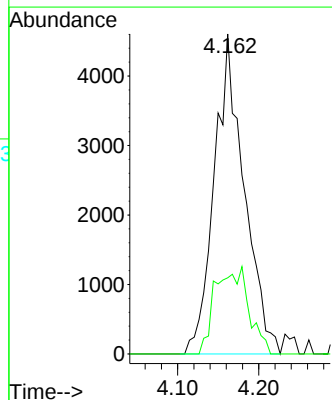
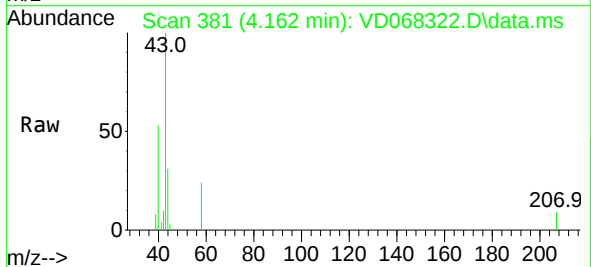
Instrument :  
MSVOA\_D  
ClientSampleId :

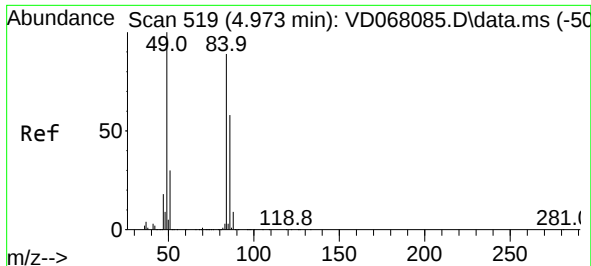
Tgt Ion: 59 Resp: 96  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#



#16  
Acetone  
Concen: 13.32 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.000 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

Tgt Ion: 43 Resp: 11778  
Ion Ratio Lower Upper  
43 100  
58 23.8 24.2 36.4#



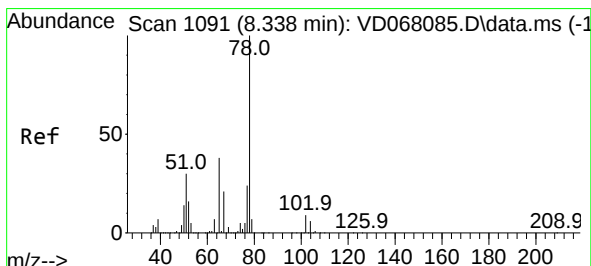
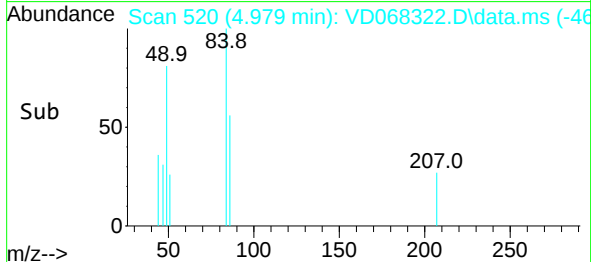
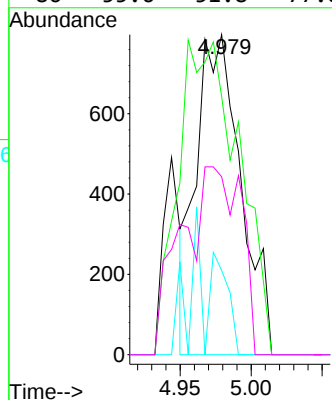
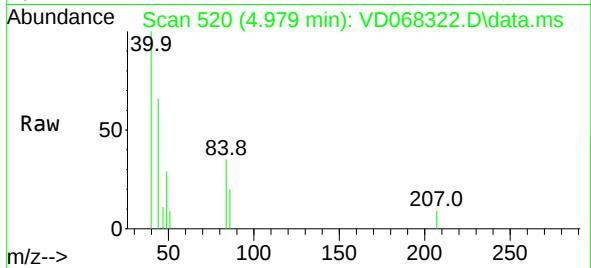


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.979 min Scan# 520  
Delta R.T. 0.006 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 84 Resp: 1746

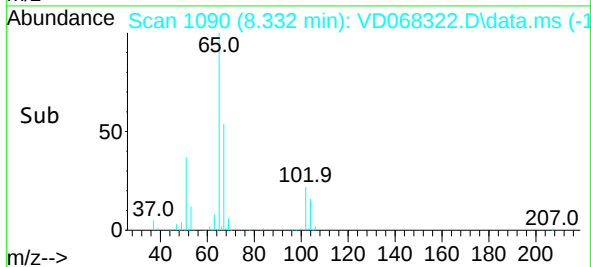
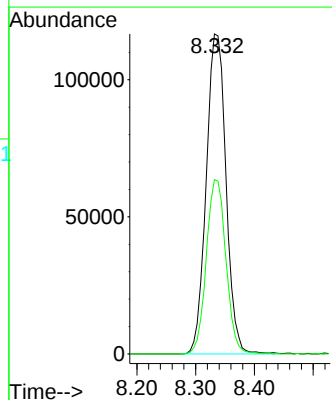
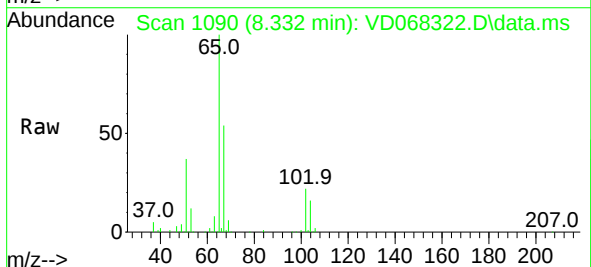
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 80.7  | 77.4  | 116.2 |
| 51  | 26.3  | 26.1  | 39.1  |
| 86  | 55.6  | 51.8  | 77.8  |

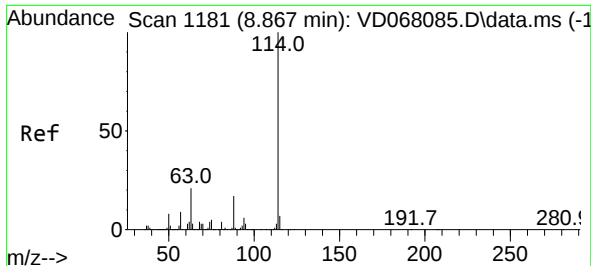


#33  
1,2-Dichloroethane-d4  
Concen: 55.14 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

Tgt Ion: 65 Resp: 273050

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 54.0  | 0.0   | 105.0 |



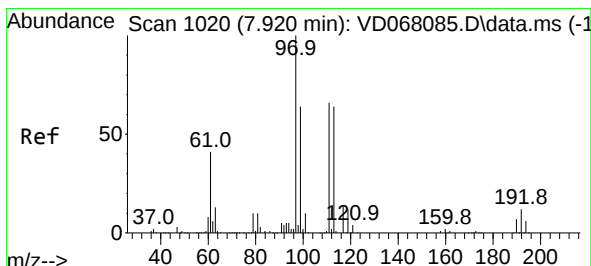
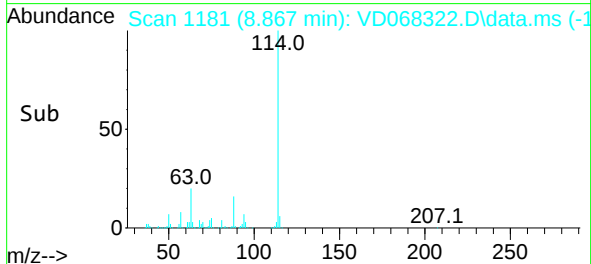
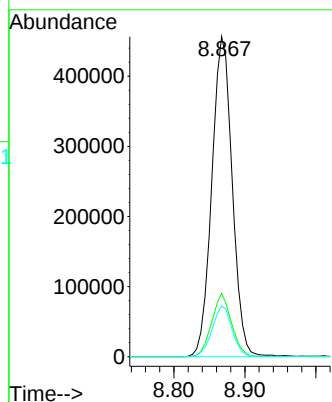
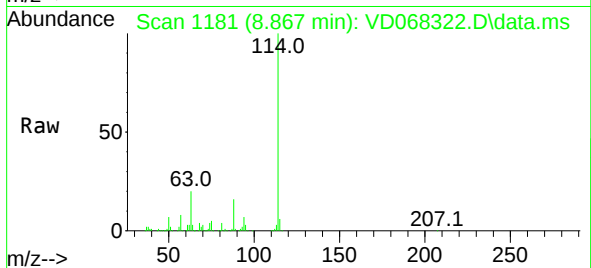


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

Instrument :  
MSVOA\_D  
ClientSampleId :

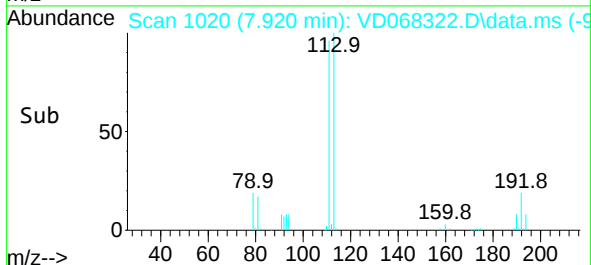
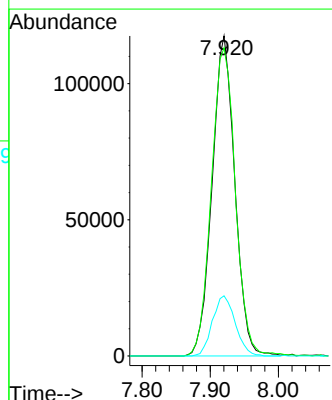
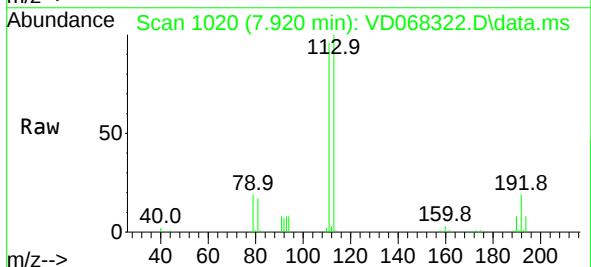
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 909881 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.8  | 0.0   | 34.8   |
| 88       | 15.9  | 0.0   | 31.6   |

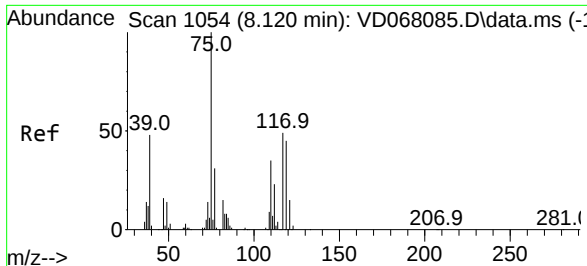


#35

Dibromofluoromethane  
Concen: 54.18 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 272550 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.9 | 81.4  | 122.0  |
| 192      | 18.9  | 16.1  | 24.1   |

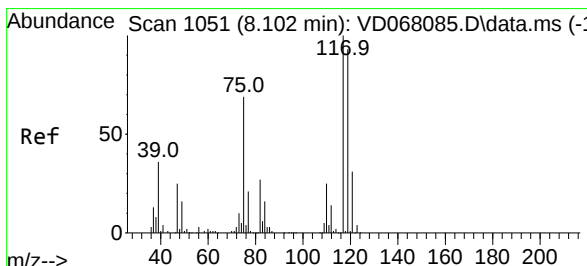
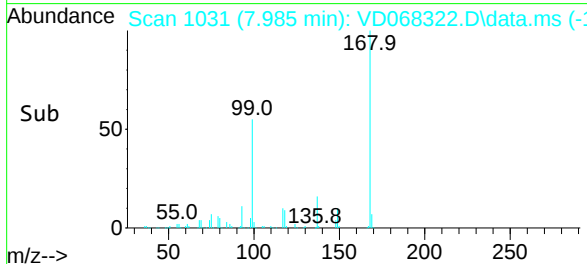
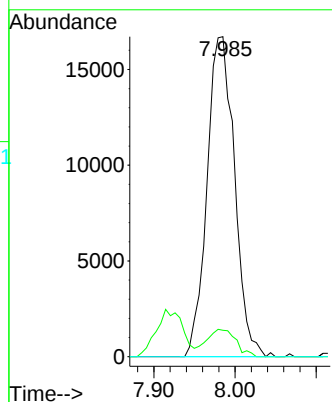
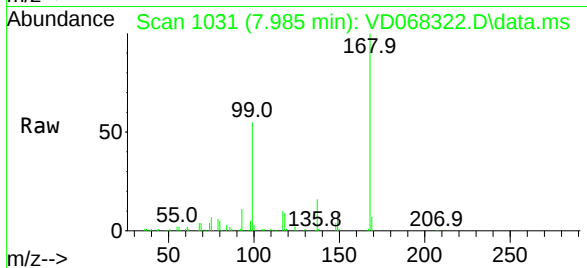




#36  
1,1-Dichloropropene  
Concen: 4.29 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.135 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

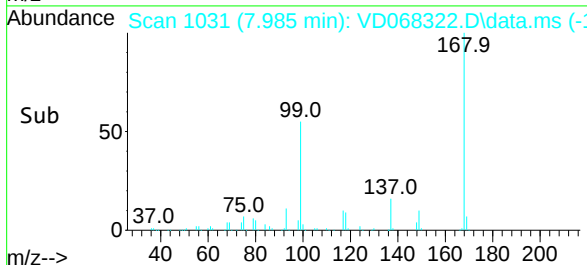
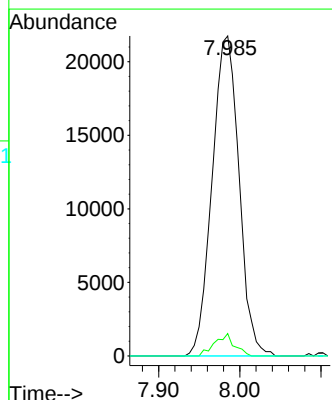
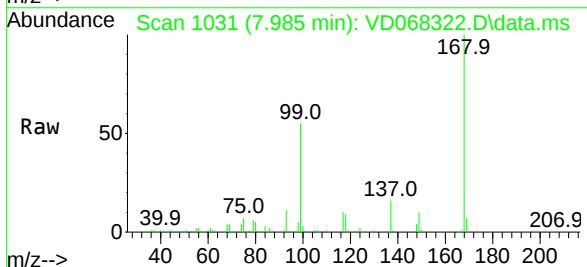
Instrument :  
MSVOA\_D  
ClientSampleId :

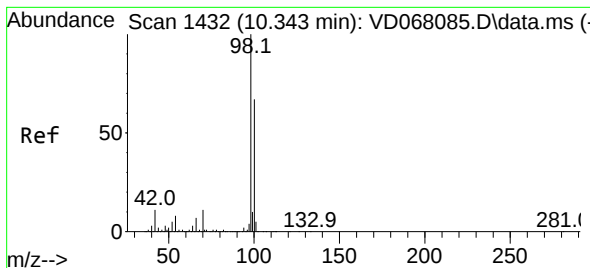
Tgt Ion: 75 Resp: 39340  
Ion Ratio Lower Upper  
75 100  
110 9.2 19.4 58.2#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.83 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.117 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

Tgt Ion: 117 Resp: 50034  
Ion Ratio Lower Upper  
117 100  
119 7.0 77.3 115.9#  
121 0.0 24.7 37.1#

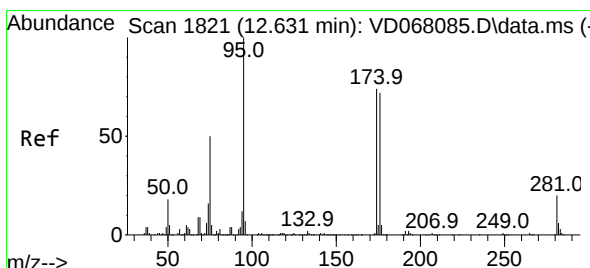
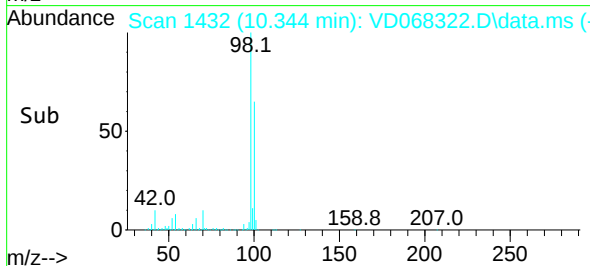
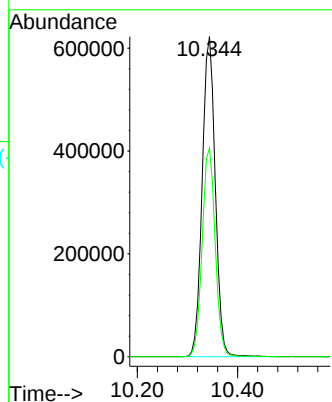
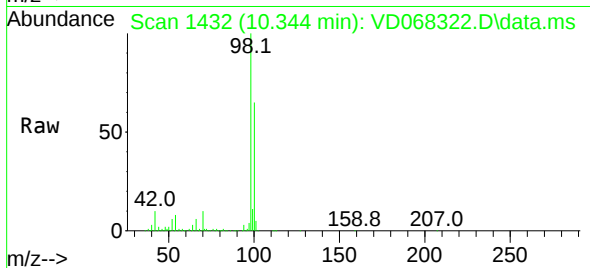




#50  
Toluene-d8  
Concen: 55.94 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

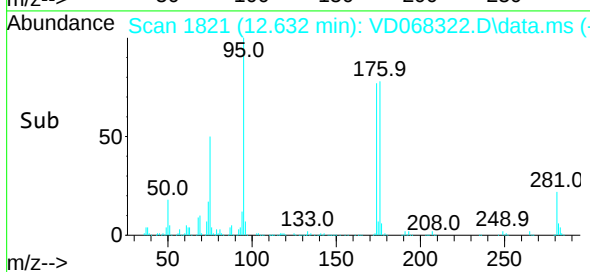
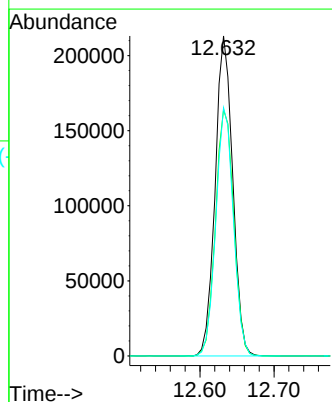
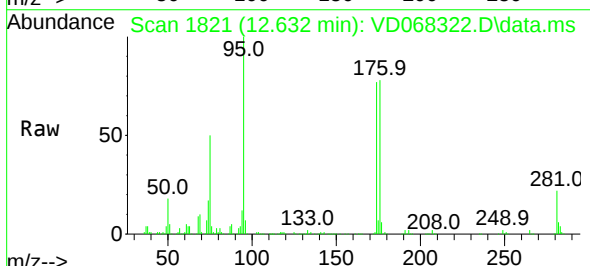
Instrument :  
MSVOA\_D  
ClientSampled :

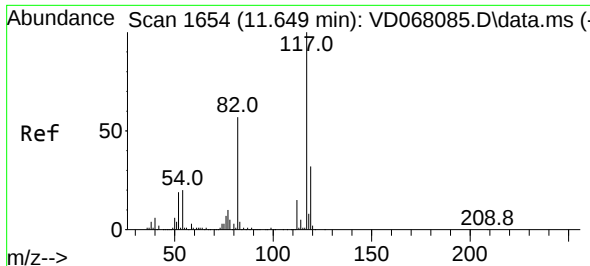
Tgt Ion: 98 Resp: 1125566  
Ion Ratio Lower Upper  
98 100  
100 65.2 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 48.25 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

Tgt Ion: 95 Resp: 349592  
Ion Ratio Lower Upper  
95 100  
174 79.8 0.0 172.4  
176 77.7 0.0 168.4

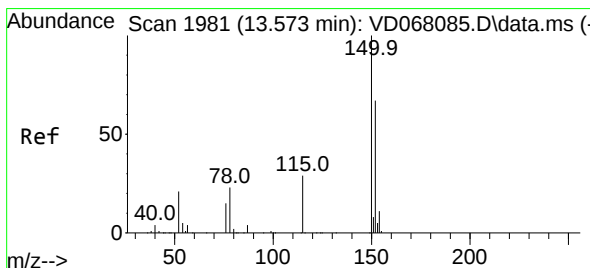
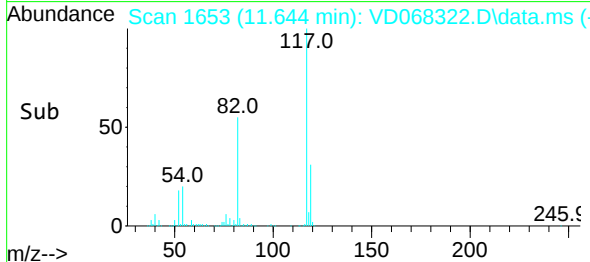
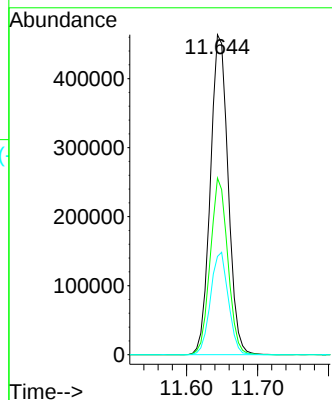
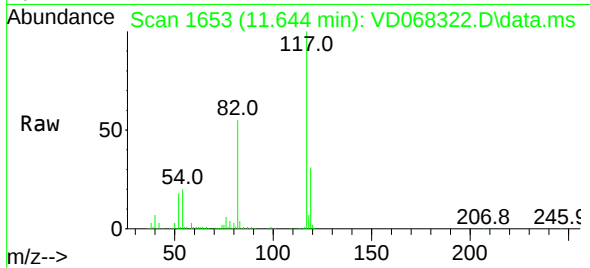




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. -0.005 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

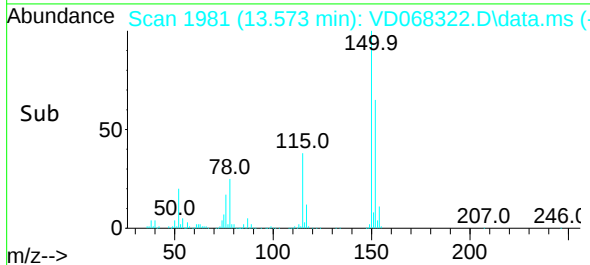
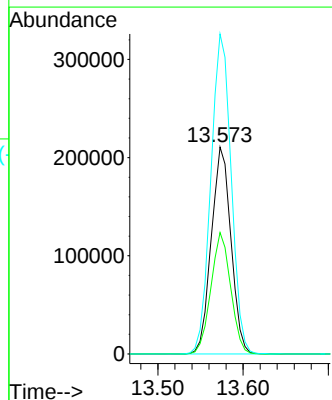
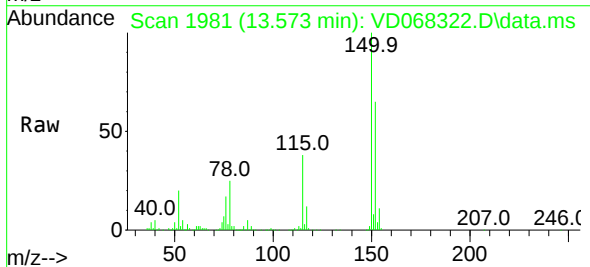
Instrument :  
MSVOA\_D  
ClientSampleId :

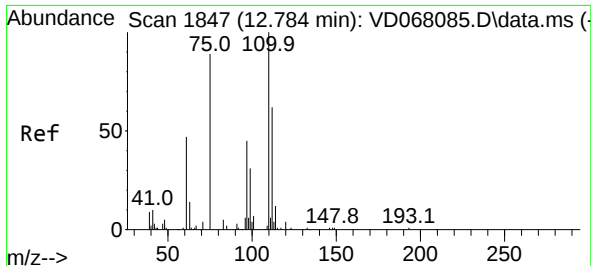
Tgt Ion:117 Resp: 804009  
Ion Ratio Lower Upper  
117 100  
82 55.2 41.4 62.0  
119 30.7 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

Tgt Ion:152 Resp: 338776  
Ion Ratio Lower Upper  
152 100  
115 58.8 28.9 86.8  
150 159.4 0.0 344.4

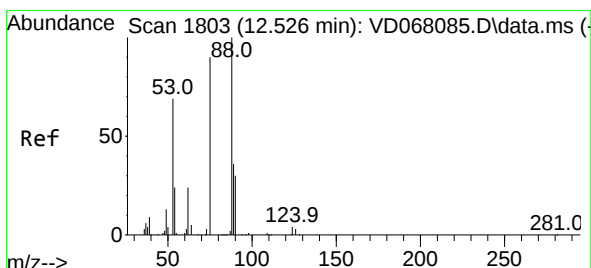
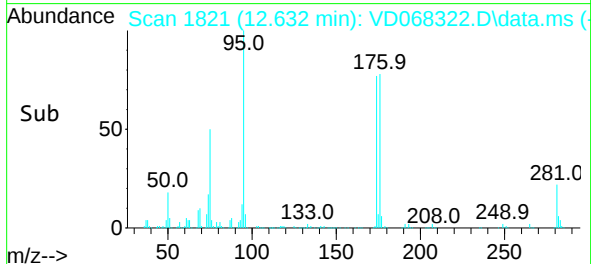
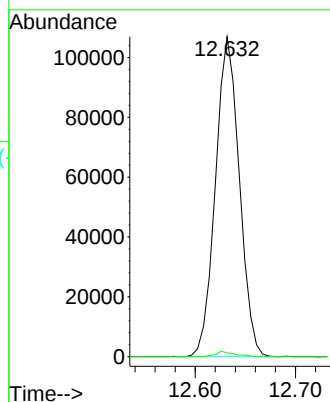
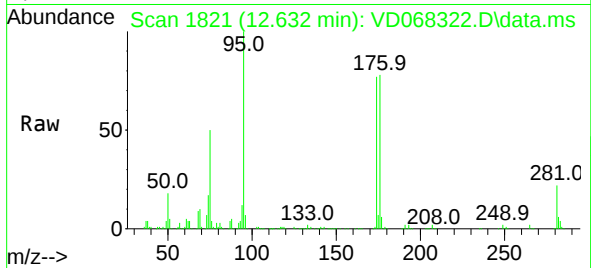




#76  
1,2,3-Trichloropropane  
Concen: 53.89 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.153 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

Instrument :  
MSVOA\_D  
ClientSampled :

Tgt Ion: 75 Resp: 176508  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 109.04 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.106 min  
Lab File: VD068322.D  
Acq: 08 Feb 2021 17:13

Tgt Ion: 75 Resp: 176508  
Ion Ratio Lower Upper  
75 100  
53 0.0 70.2 105.2#  
89 0.3 40.3 60.5#

