

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031721\  
 Data File : VD068633.D  
 Acq On : 17 Mar 2021 12:50  
 Operator : VA/SY  
 Sample : VD0317SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Mar 18 00:54:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 26 14:04:14 2021  
 Response via : Initial Calibration

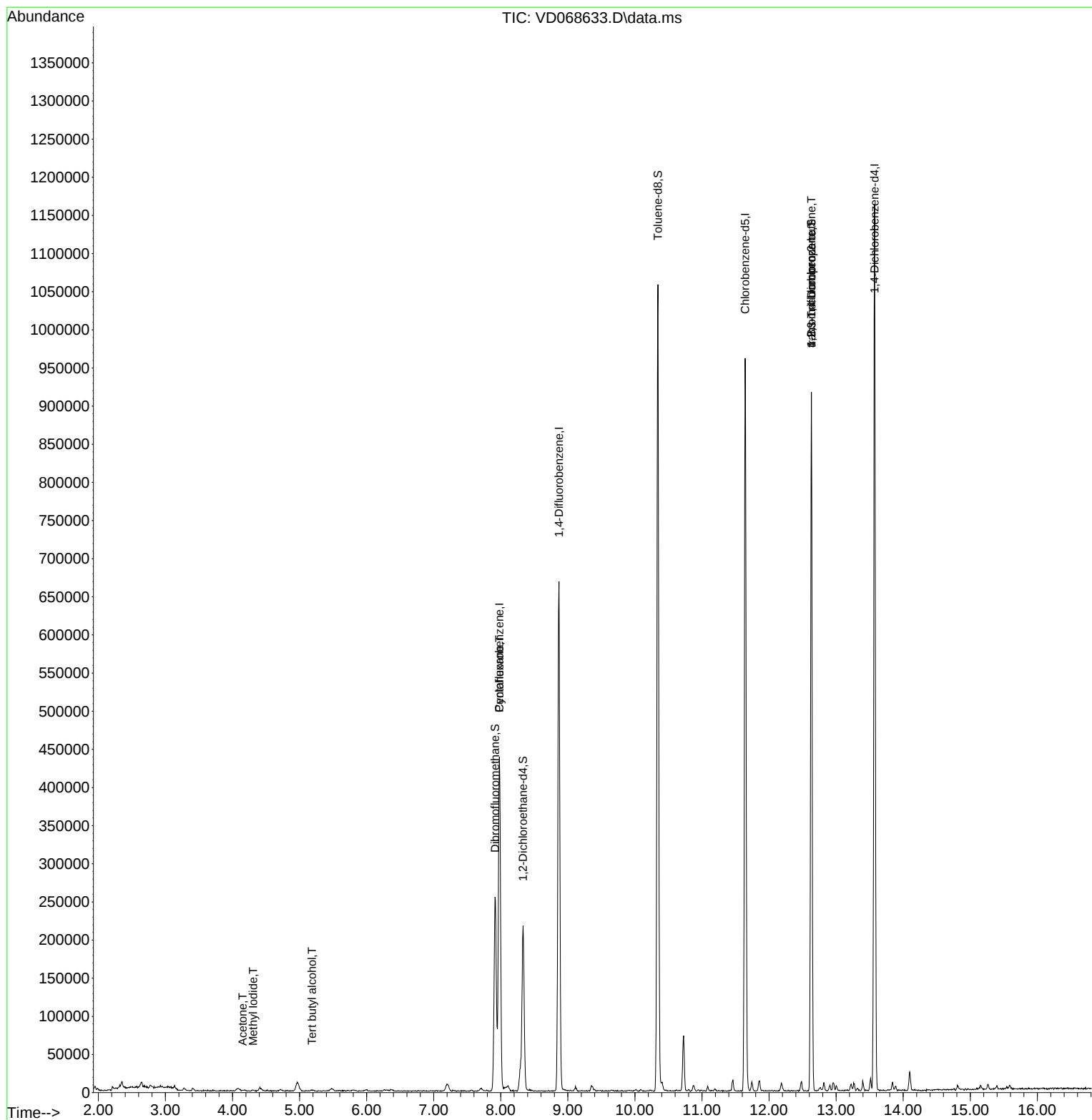
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 331549             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867          | 114  | 601428             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.643         | 117  | 581187             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573         | 152  | 308385             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 168083             | 50.74     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 101.48% |           |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 182050             | 50.25     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 100.50% |           |        |          |
| 50) Toluene-d8                | 10.344         | 98   | 749123             | 51.91     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 103.82% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.632         | 95   | 262101             | 56.36     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 112.72% |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
|                               |                |      |                    |           | Qvalue |          |
| 10) Methyl Iodide             | 4.309          | 142  | 1295               | 2.92      | ug/l # | 52       |
| 11) Tert butyl alcohol        | 5.185          | 59   | 1053               | 5.95      | ug/l # | 74       |
| 16) Acetone                   | 4.150          | 43   | 633                | 1.20      | ug/l # | 88       |
| 20) Methylene Chloride        | 4.961          | 84   | 9666               | Below Cal | #      | 87       |
| 31) Cyclohexane               | 7.979          | 56   | 9461               | 1.57      | ug/l # | 43       |
| 76) 1,2,3-Trichloropropane    | 12.632         | 75   | 130740             | 47.76     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632         | 75   | 130740             | 111.44    | ug/l # | 14       |
| -----                         |                |      |                    |           |        |          |

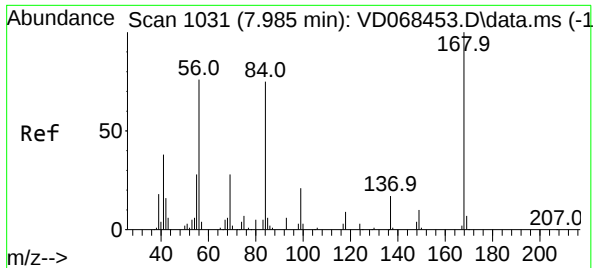
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Mar 18 00:54:53 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 26 14:04:14 2021  
Response via : Initial Calibration

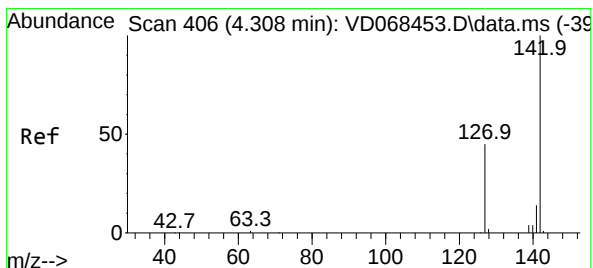
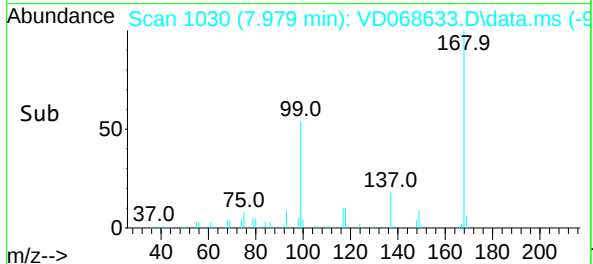
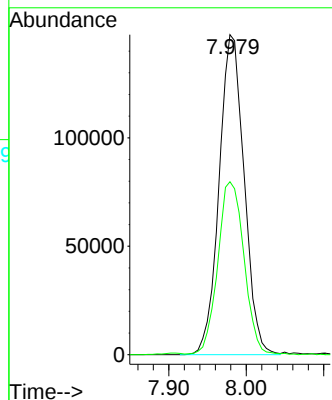
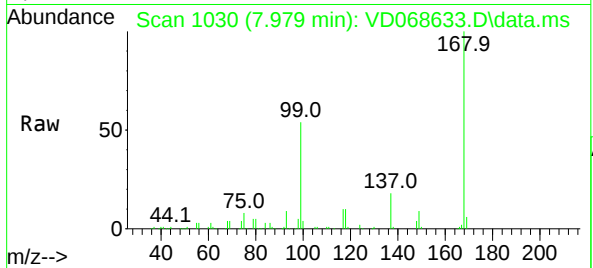




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD068633.D  
Acq: 17 Mar 2021 12:50

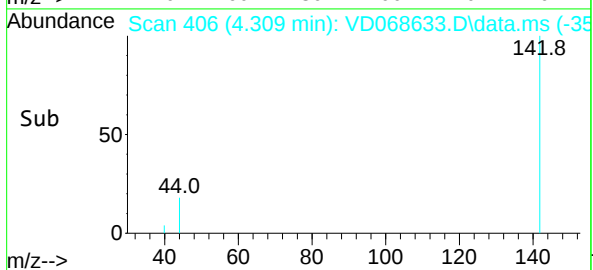
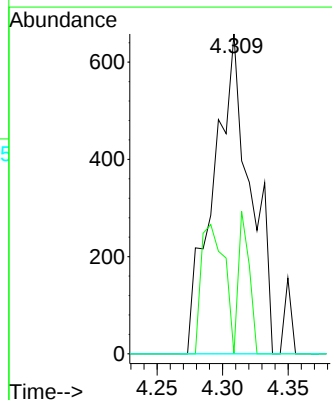
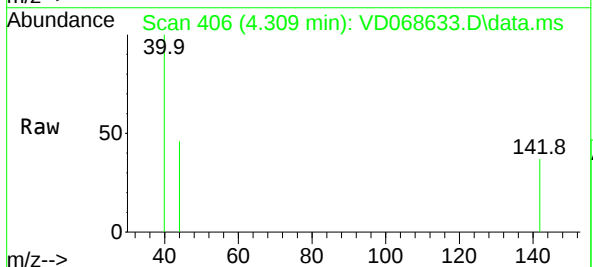
Instrument :  
MSVOA\_D  
ClientSampleId :

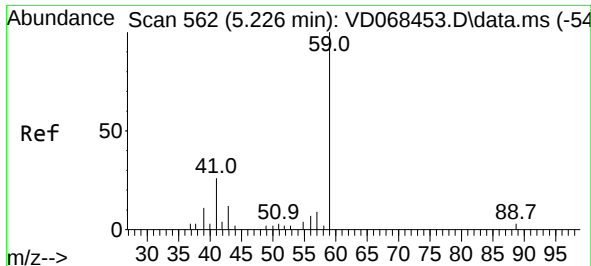
Tgt Ion:168 Resp: 331549  
Ion Ratio Lower Upper  
168 100  
99 53.7 43.5 65.3



#10  
Methyl Iodide  
Concen: 2.92 ug/l  
RT: 4.309 min Scan# 406  
Delta R.T. 0.001 min  
Lab File: VD068633.D  
Acq: 17 Mar 2021 12:50

Tgt Ion:142 Resp: 1295  
Ion Ratio Lower Upper  
142 100  
127 13.0 37.9 56.9#  
141 0.0 11.5 17.3#

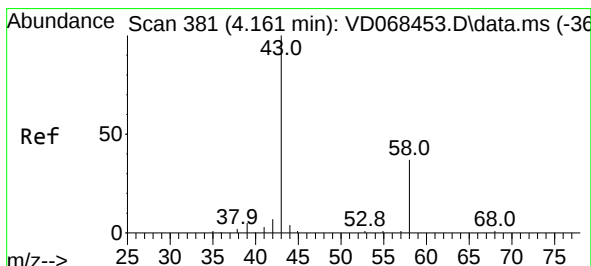
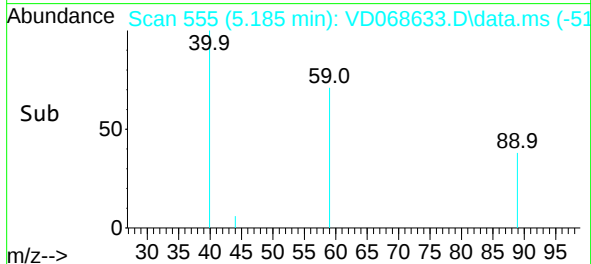
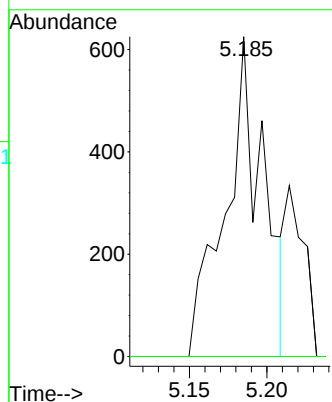
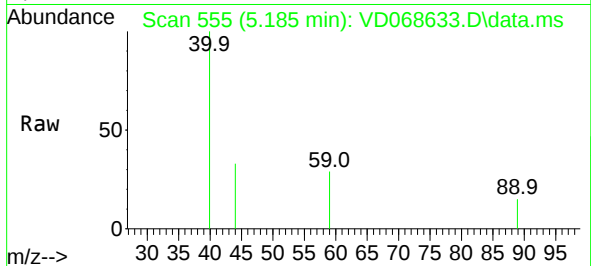




#11  
Tert butyl alcohol  
Concen: 5.95 ug/l  
RT: 5.185 min Scan# 555  
Delta R.T. -0.041 min  
Lab File: VD068633.D  
Acq: 17 Mar 2021 12:50

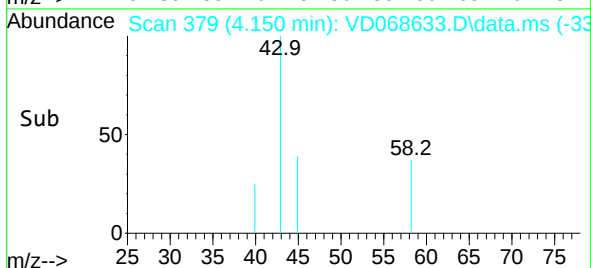
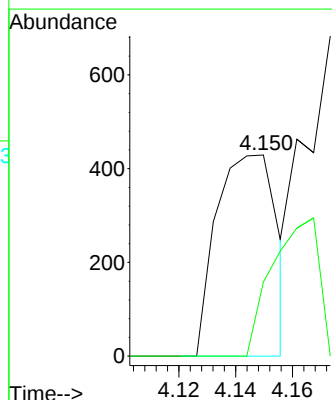
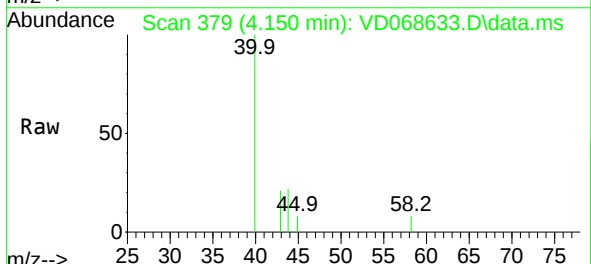
Instrument :  
MSVOA\_D  
ClientSampled :

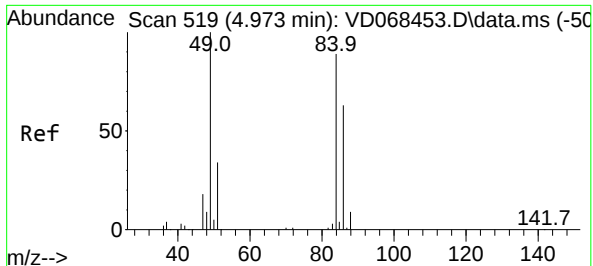
Tgt Ion: 59 Resp: 1053  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#



#16  
Acetone  
Concen: 1.20 ug/l  
RT: 4.150 min Scan# 379  
Delta R.T. -0.011 min  
Lab File: VD068633.D  
Acq: 17 Mar 2021 12:50

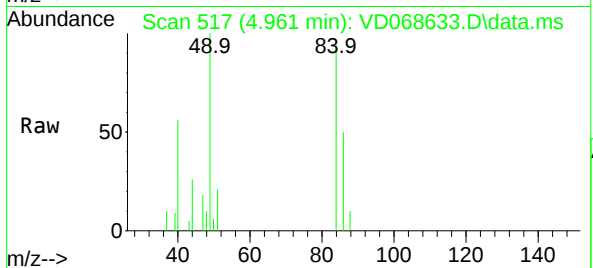
Tgt Ion: 43 Resp: 633  
Ion Ratio Lower Upper  
43 100  
58 36.8 24.2 36.4#



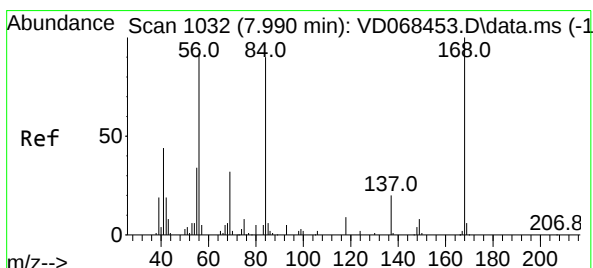
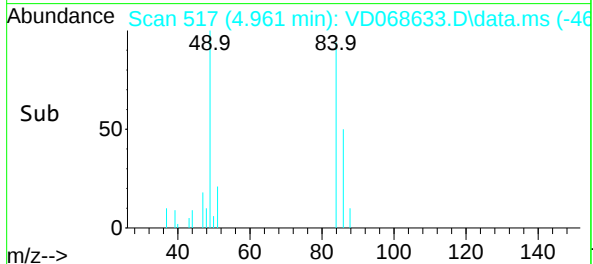
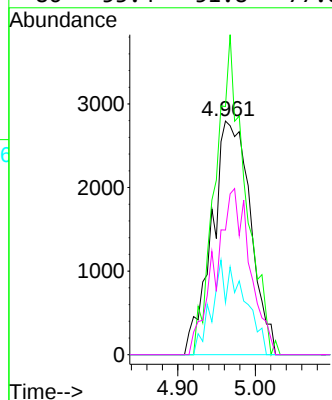


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.961 min Scan# 517  
Delta R.T. -0.012 min  
Lab File: VD068633.D  
Acq: 17 Mar 2021 12:50

Instrument :  
MSVOA\_D  
ClientSampleId :

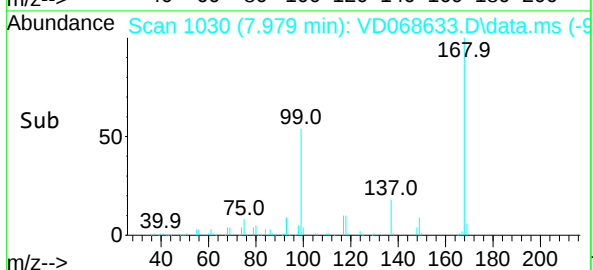
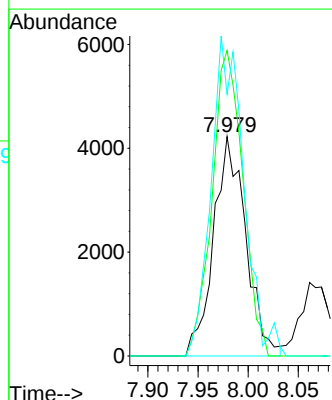
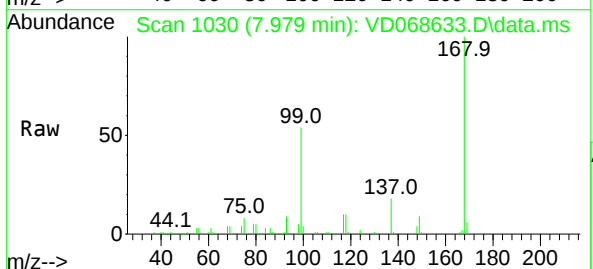


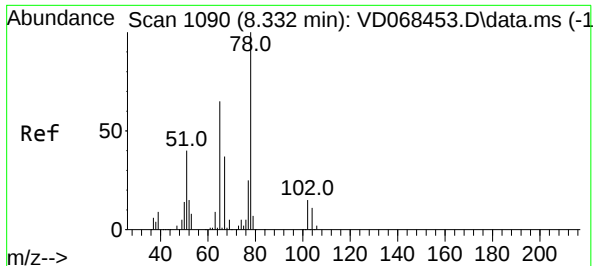
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 9666  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 106.2 | 77.4  | 116.2 |
| 51       | 22.2  | 26.1  | 39.1# |
| 86       | 53.4  | 51.8  | 77.8  |



#31  
Cyclohexane  
Concen: 1.57 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.011 min  
Lab File: VD068633.D  
Acq: 17 Mar 2021 12:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 9461  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 139.2 | 30.1  | 45.1# |
| 84       | 119.3 | 82.1  | 123.1 |

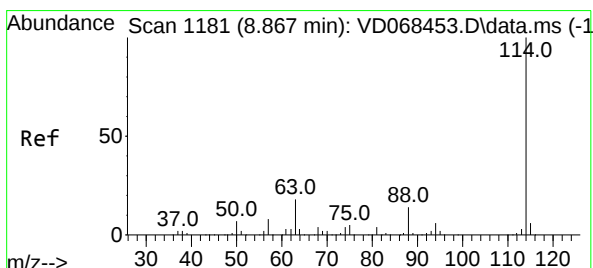
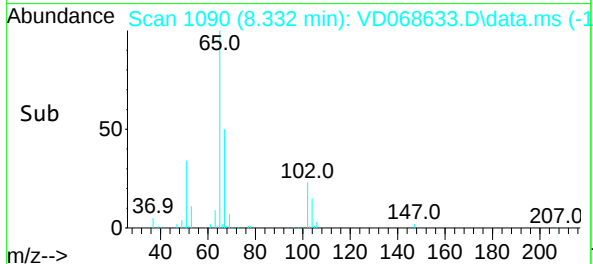
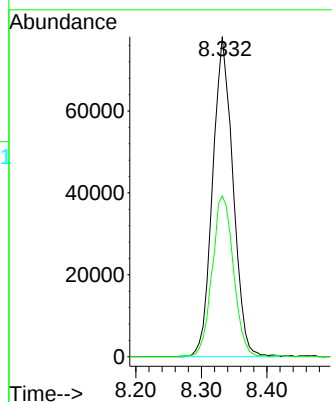
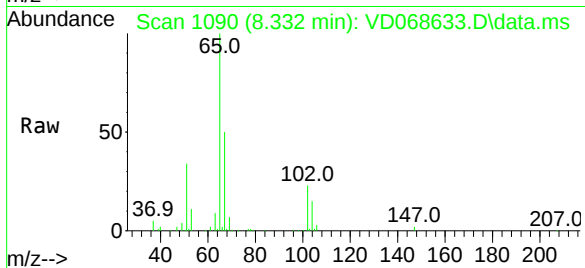




#33  
1,2-Dichloroethane-d4  
Concen: 50.74 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD068633.D  
Acq: 17 Mar 2021 12:50

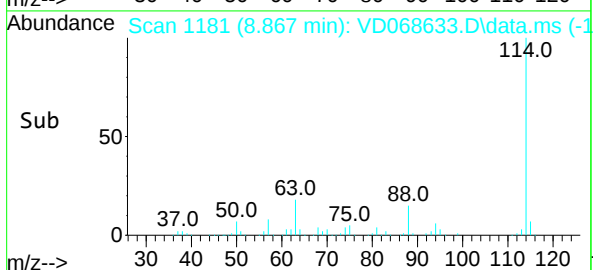
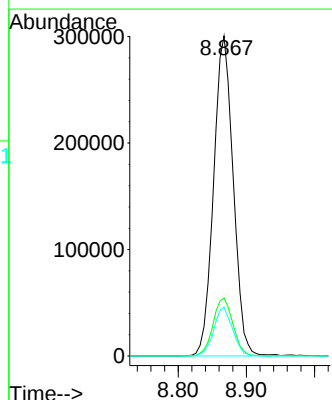
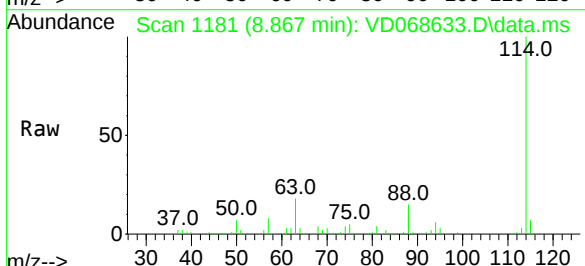
Instrument :  
MSVOA\_D  
ClientSampled :

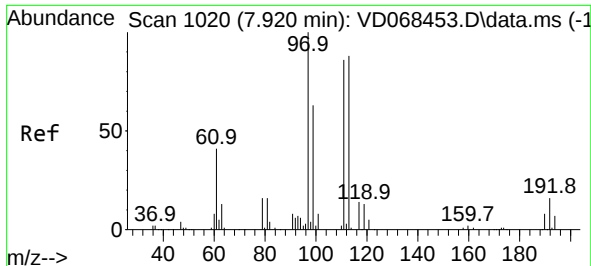
Tgt Ion: 65 Resp: 168083  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 105.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068633.D  
Acq: 17 Mar 2021 12:50

Tgt Ion: 114 Resp: 601428  
Ion Ratio Lower Upper  
114 100  
63 18.1 0.0 34.8  
88 15.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.25 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068633.D

Acq: 17 Mar 2021 12:50

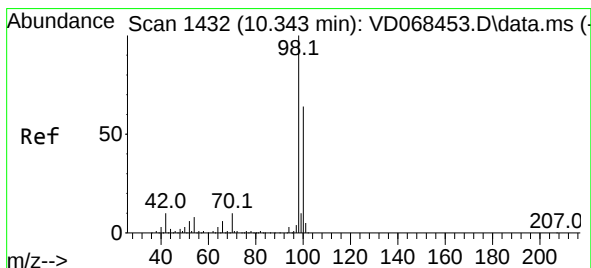
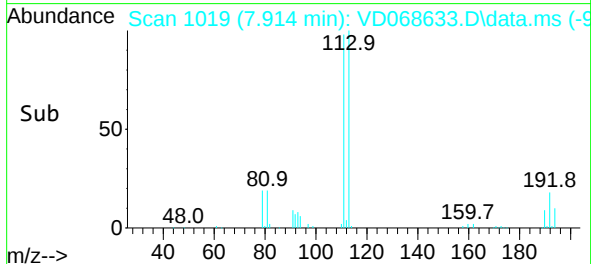
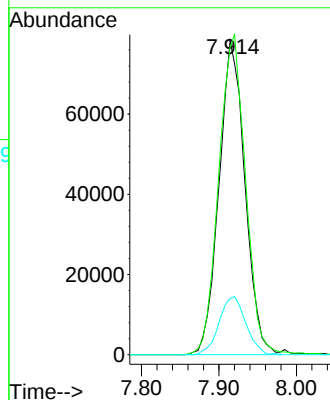
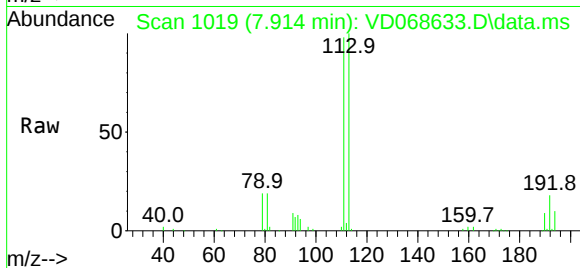
Tgt Ion:113 Resp: 182050

Ion Ratio Lower Upper

113 100

111 105.5 81.4 122.0

192 19.1 16.1 24.1



#50

Toluene-d8

Concen: 51.91 ug/l

RT: 10.344 min Scan# 1432

Delta R.T. 0.000 min

Lab File: VD068633.D

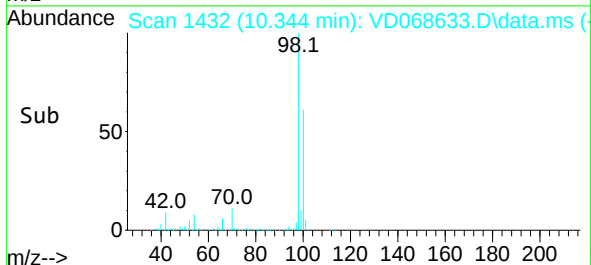
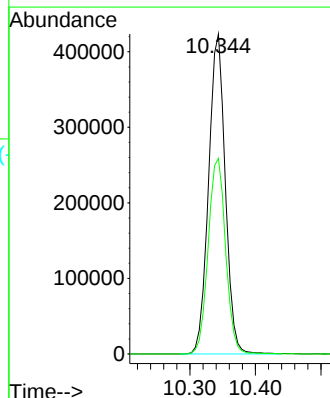
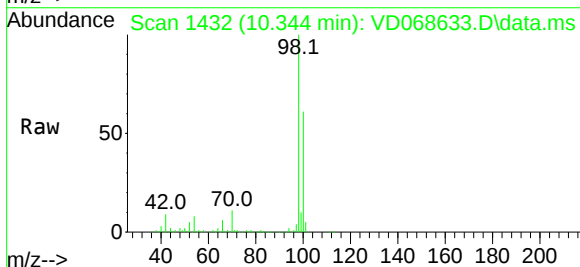
Acq: 17 Mar 2021 12:50

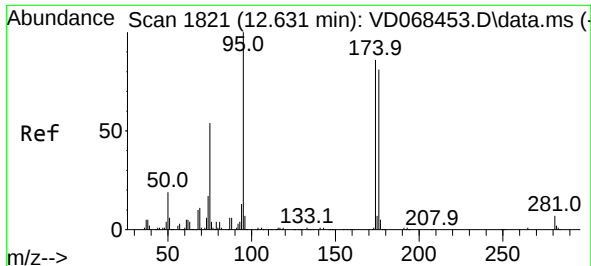
Tgt Ion: 98 Resp: 749123

Ion Ratio Lower Upper

98 100

100 63.9 53.0 79.4

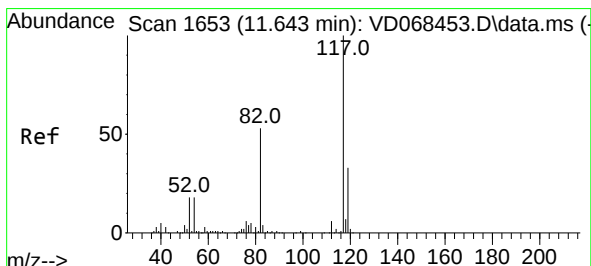
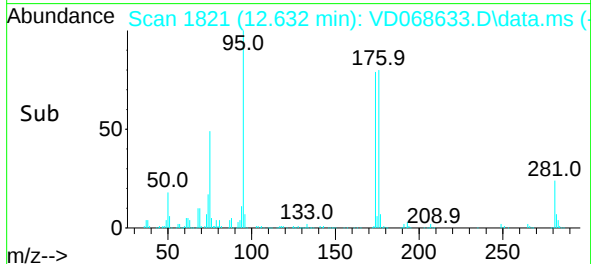
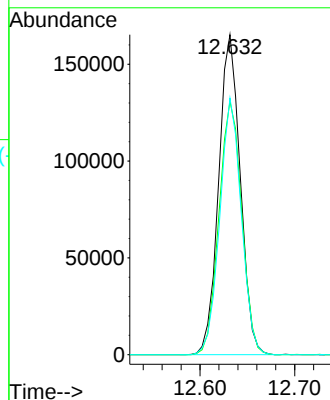
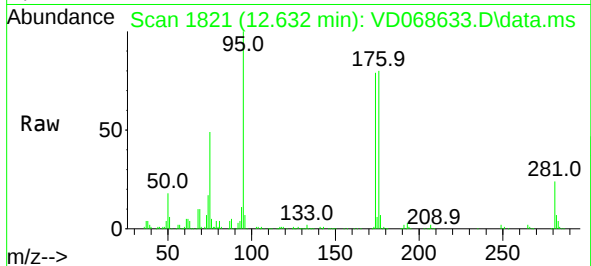




#62  
4-Bromofluorobenzene  
Concen: 56.36 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068633.D  
Acq: 17 Mar 2021 12:50

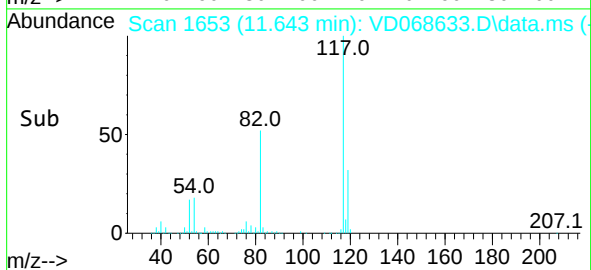
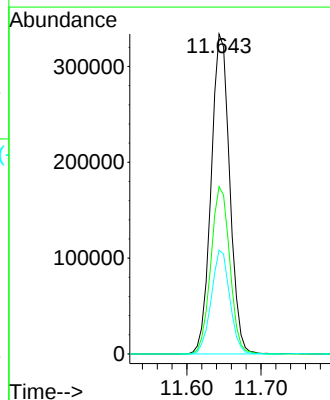
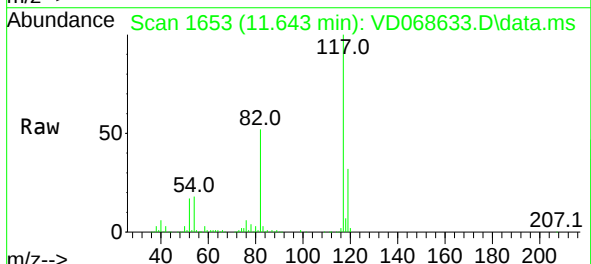
Instrument :  
MSVOA\_D  
ClientSampleId :

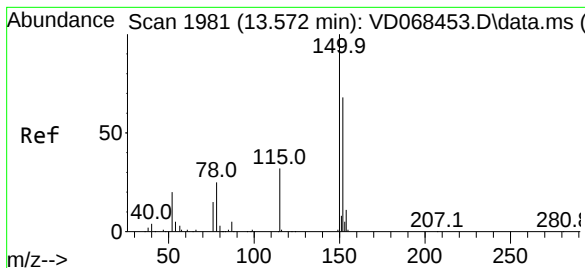
Tgt Ion: 95 Resp: 262101  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 172.4  
176 79.8 0.0 168.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD068633.D  
Acq: 17 Mar 2021 12:50

Tgt Ion: 117 Resp: 581187  
Ion Ratio Lower Upper  
117 100  
82 52.3 41.4 62.0  
119 32.5 26.1 39.1

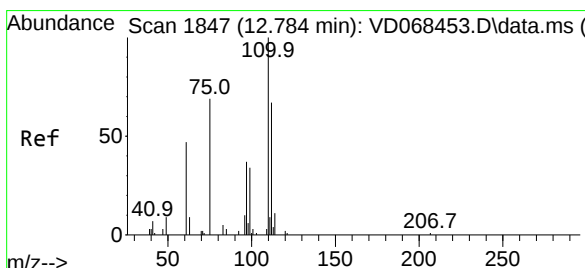
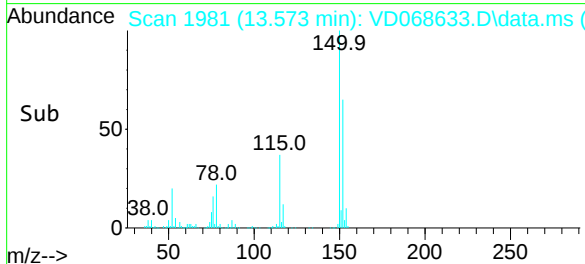
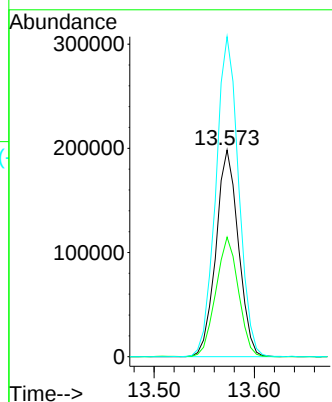
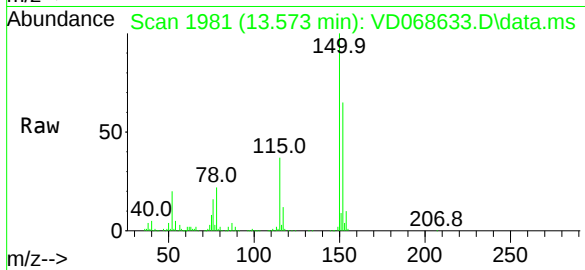




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.001 min  
Lab File: VD068633.D  
Acq: 17 Mar 2021 12:50

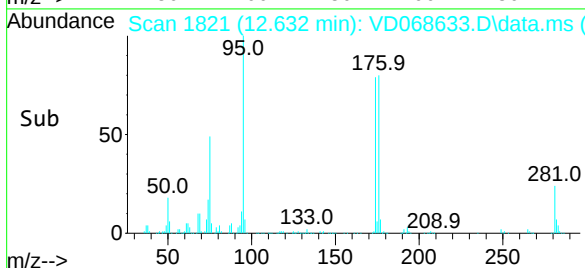
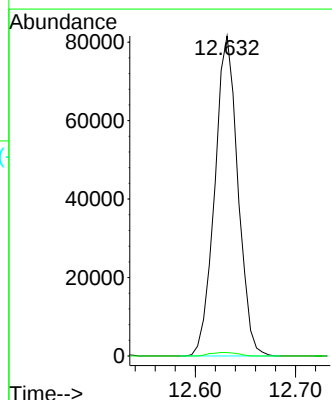
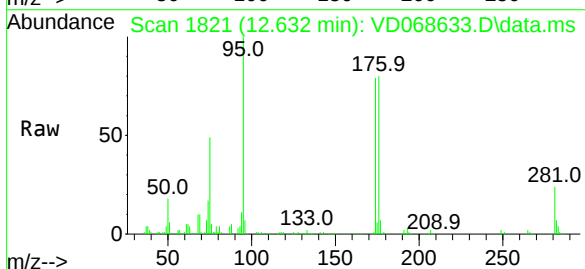
Instrument :  
MSVOA\_D  
ClientSampleId :

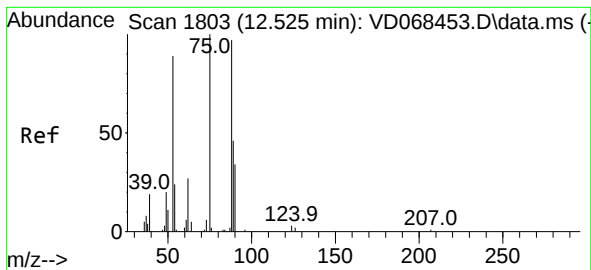
Tgt Ion:152 Resp: 308385  
Ion Ratio Lower Upper  
152 100  
115 58.2 28.9 86.8  
150 157.3 0.0 344.4



#76  
1,2,3-Trichloropropane  
Concen: 47.76 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.152 min  
Lab File: VD068633.D  
Acq: 17 Mar 2021 12:50

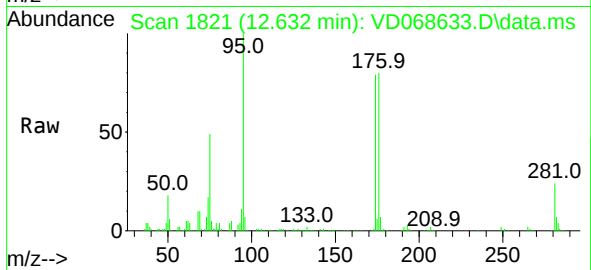
Tgt Ion: 75 Resp: 130740  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 111.44 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. 0.106 min  
 Lab File: VD068633.D  
 Acq: 17 Mar 2021 12:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :



Tgt Ion: 75 Resp: 130740  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 70.2 105.2#  
 89 0.4 40.3 60.5#

