

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050621\  
 Data File : VD069080.D  
 Acq On : 06 May 2021 17:26  
 Operator : VA/SY  
 Sample : M2275-09RE  
 Misc : 7.36G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: May 07 01:11:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050421S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 05 04:16:41 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 267937   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 477942   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.644 | 117  | 550182   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 274301   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 143068   | 41.43    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 82.86%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 162323   | 49.53    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.06%  |
| 50) Toluene-d8              | 10.338 | 98    | 600630   | 49.64    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 99.28%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 266300   | 66.91    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 133.82% |

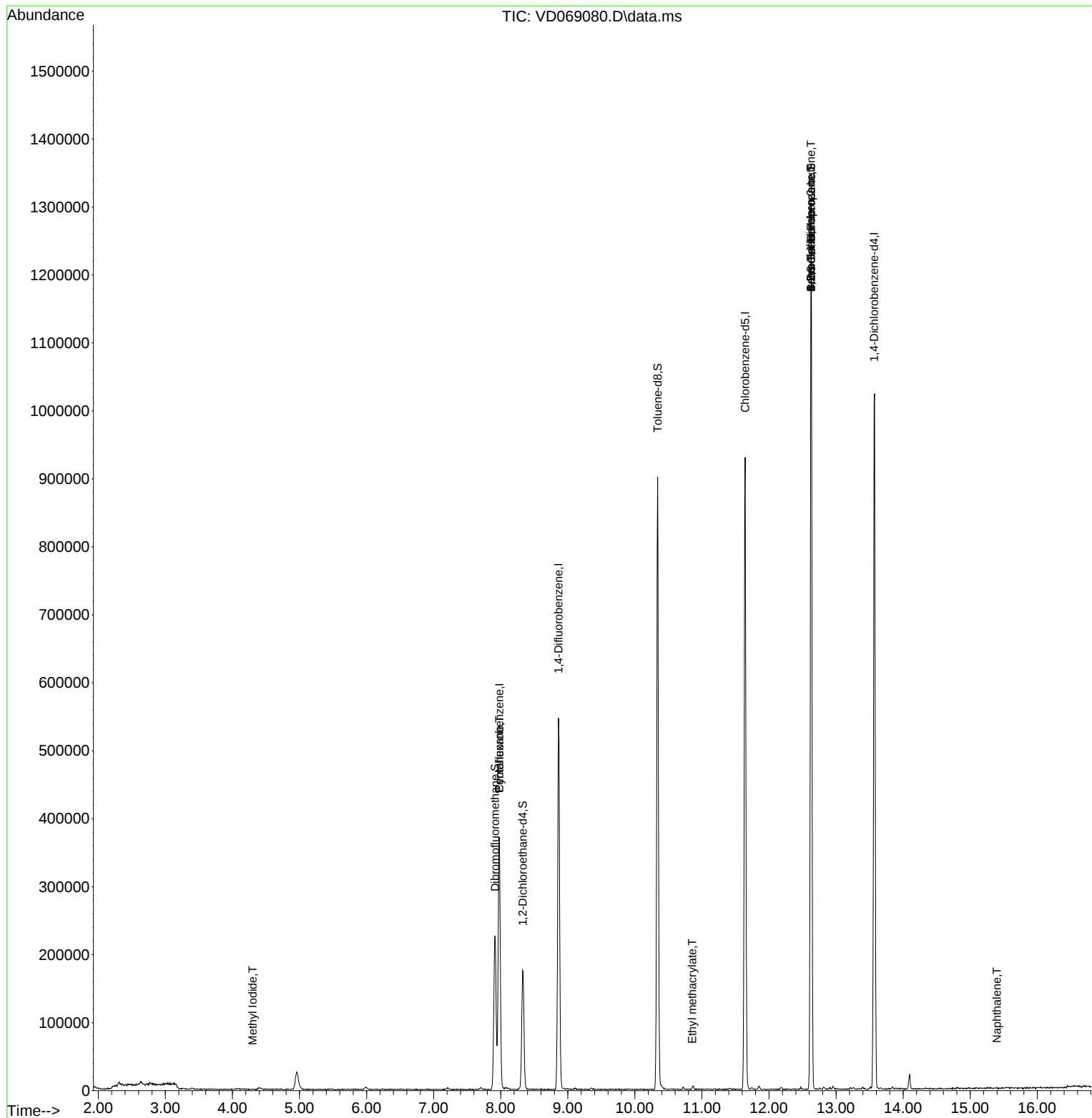
| Target Compounds              |        |     |        |             | Qvalue |
|-------------------------------|--------|-----|--------|-------------|--------|
| 10) Methyl Iodide             | 4.303  | 142 | 324    | 3.28 ug/l   | # 35   |
| 11) Tert butyl alcohol        | 5.220  | 59  | 116    | Below Cal   | # 81   |
| 16) Acetone                   | 4.150  | 43  | 934    | Below Cal   | # 44   |
| 20) Methylene Chloride        | 4.962  | 84  | 20792  | Below Cal   | # 97   |
| 31) Cyclohexane               | 7.979  | 56  | 6849   | 1.37 ug/l   | # 16   |
| 56) Ethyl methacrylate        | 10.855 | 69  | 180    | 2.43 ug/l   | # 1    |
| 71) Bromoform                 | 12.626 | 173 | 2401   | 1.10 ug/l   | # 29   |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75  | 143440 | 60.07 ug/l  | # 100  |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75  | 143440 | 130.71 ug/l | # 10   |
| 95) Naphthalene               | 15.396 | 128 | 676    | 2.90 ug/l   | # 69   |

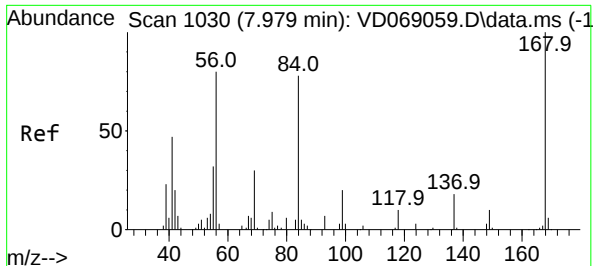
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
ClientSampleId :

Quant Time: May 07 01:11:15 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050421S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 05 04:16:41 2021  
Response via : Initial Calibration

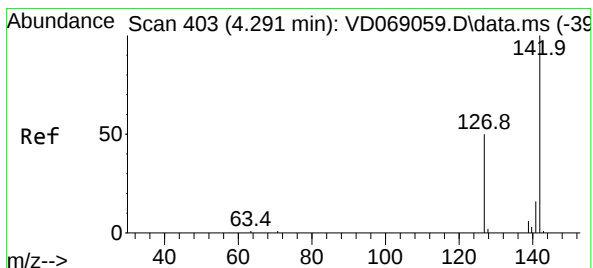
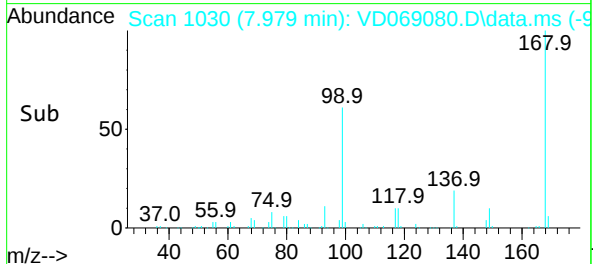
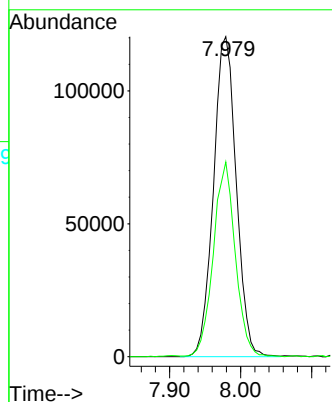
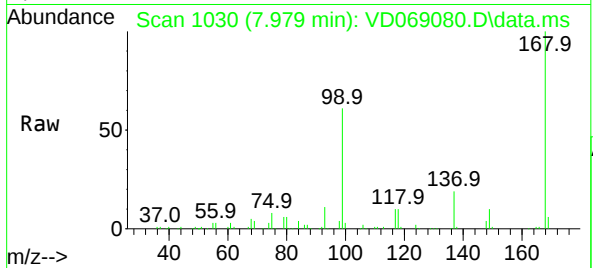




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

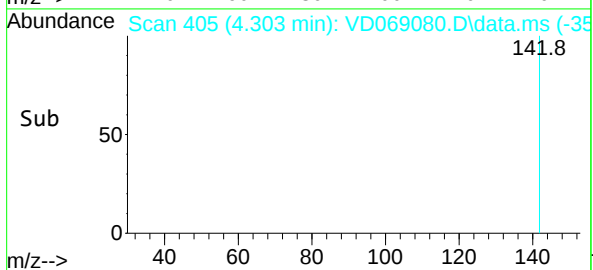
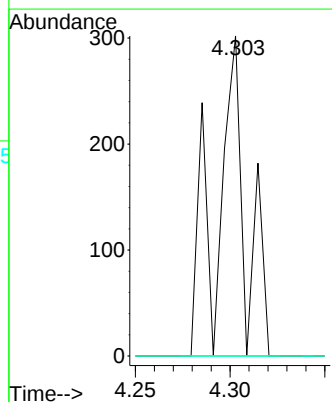
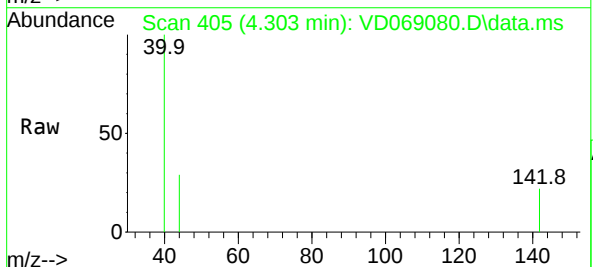
Instrument :  
MSVOA\_D  
ClientSampled :

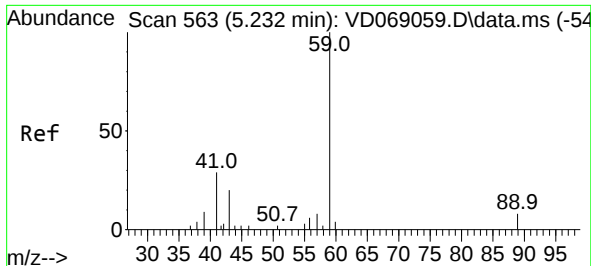
Tgt Ion:168 Resp: 267937  
Ion Ratio Lower Upper  
168 100  
99 60.7 52.6 78.8



#10  
Methyl Iodide  
Concen: 3.28 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. 0.012 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

Tgt Ion:142 Resp: 324  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.6 62.4#  
141 0.0 12.2 18.4#

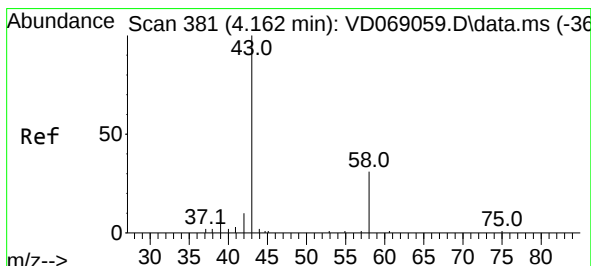
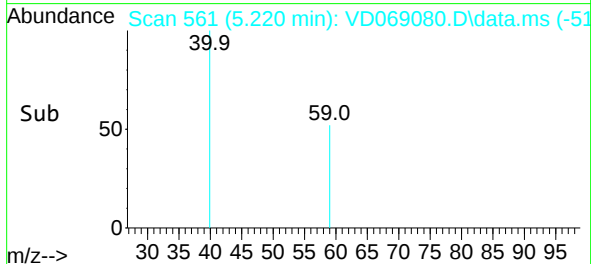
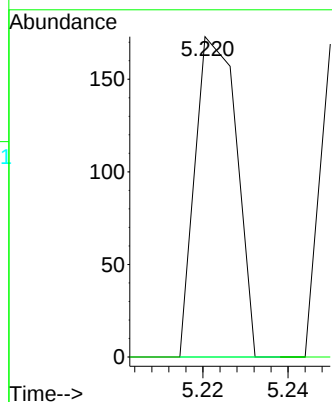
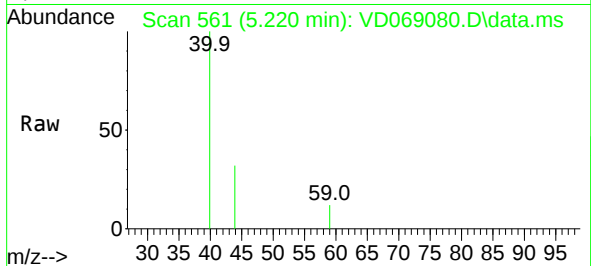




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.220 min Scan# 561  
Delta R.T. -0.012 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

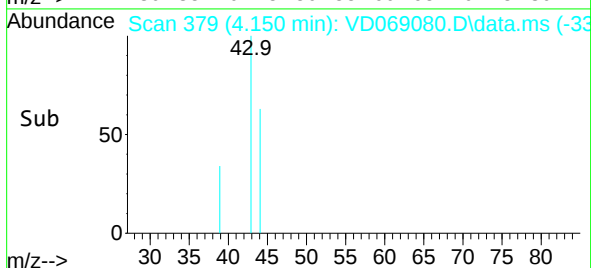
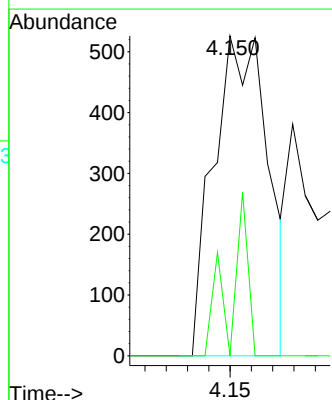
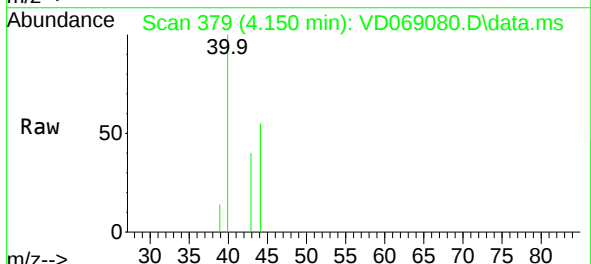
Instrument :  
MSVOA\_D  
ClientSampleId :

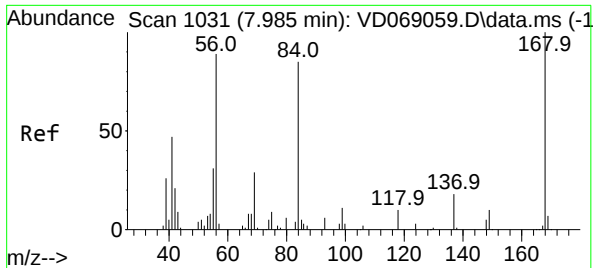
Tgt Ion: 59 Resp: 116  
Ion Ratio Lower Upper  
59 100  
57 0.0 5.3 7.9#



#16  
Acetone  
Concen: Below Cal  
RT: 4.150 min Scan# 379  
Delta R.T. -0.012 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

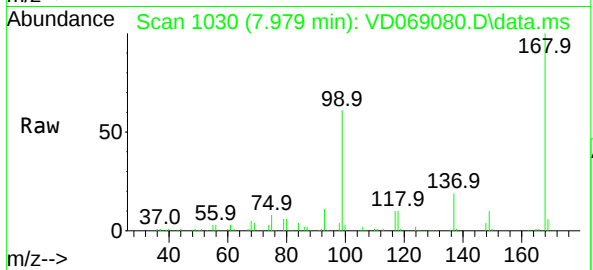
Tgt Ion: 43 Resp: 934  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.5 36.7#



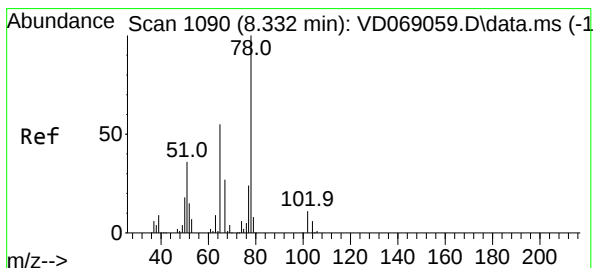
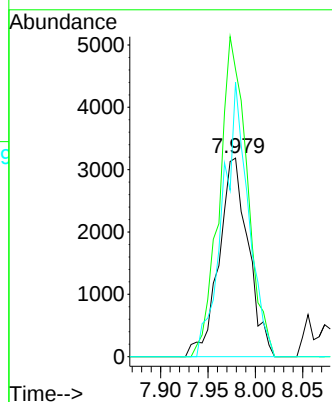
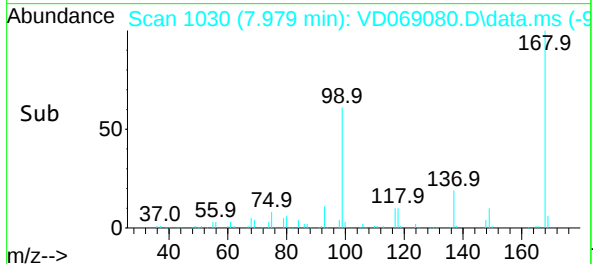


#31  
Cyclohexane  
Concen: 1.37 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

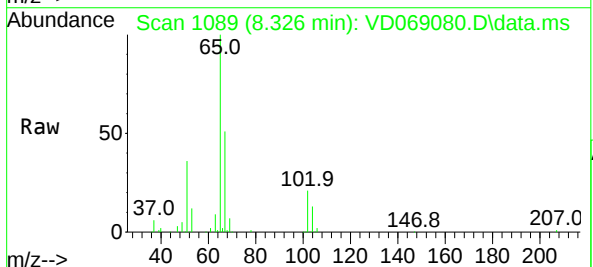
Instrument :  
MSVOA\_D  
ClientSampleId :



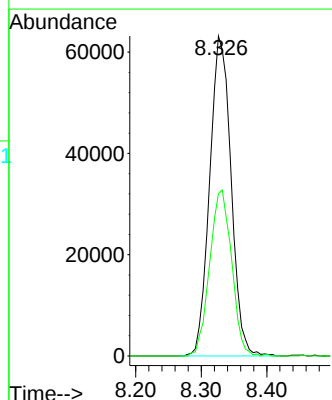
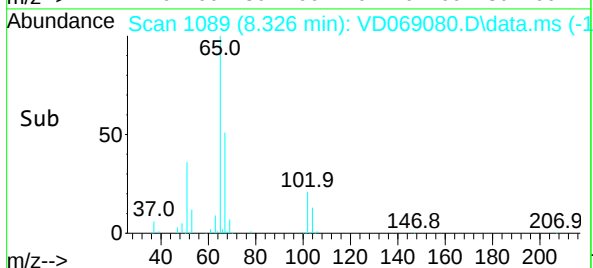
Tgt Ion: 56 Resp: 6849  
Ion Ratio Lower Upper  
56 100  
69 144.6 26.3 39.5#  
84 138.2 75.9 113.9#

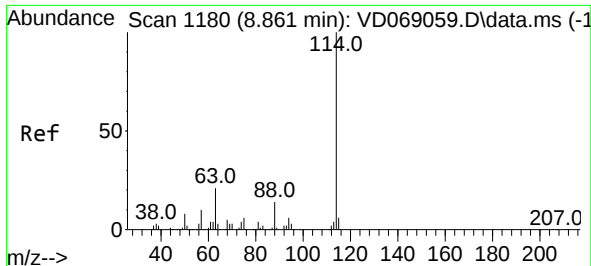


#33  
1,2-Dichloroethane-d4  
Concen: 41.43 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26



Tgt Ion: 65 Resp: 143068  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

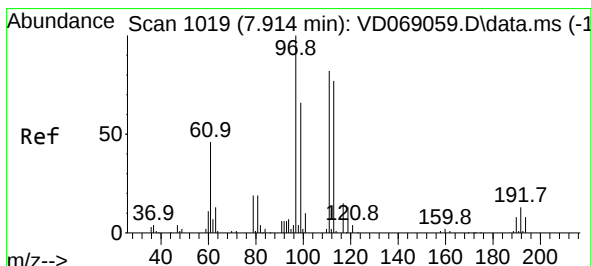
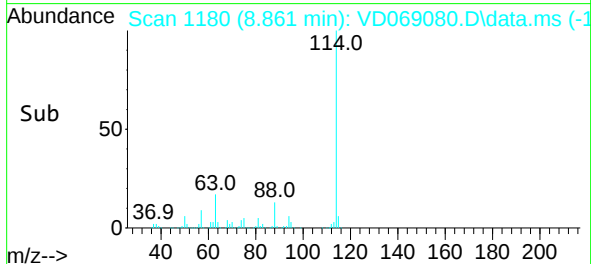
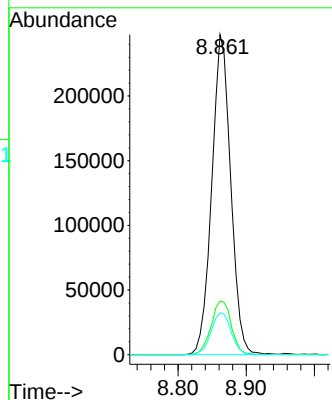
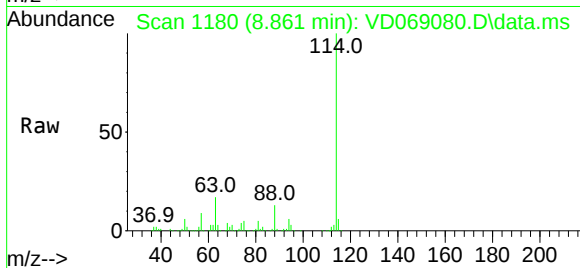
Delta R.T. 0.000 min

Lab File: VD069080.D

Acq: 06 May 2021 17:26

Instrument :  
MSVOA\_D  
ClientSampleId :

|             |              |
|-------------|--------------|
| Tgt Ion:114 | Resp: 477942 |
| Ion Ratio   | Lower Upper  |
| 114 100     |              |
| 63 16.7     | 0.0 41.4     |
| 88 13.1     | 0.0 27.8     |



#35

Dibromofluoromethane

Concen: 49.53 ug/l

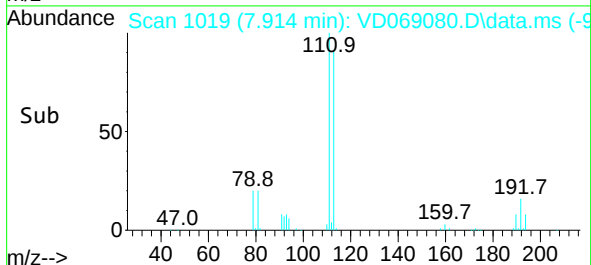
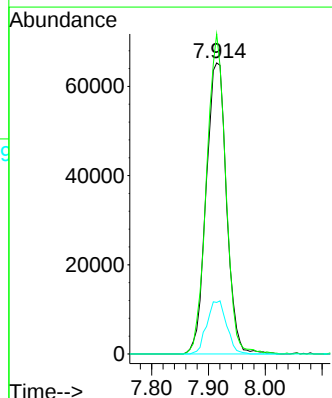
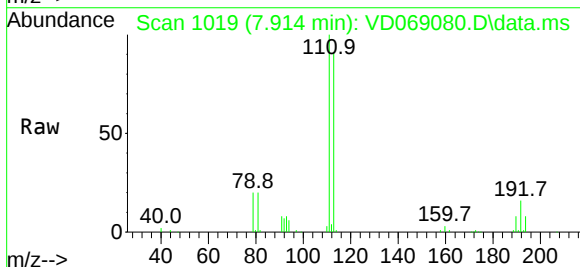
RT: 7.914 min Scan# 1019

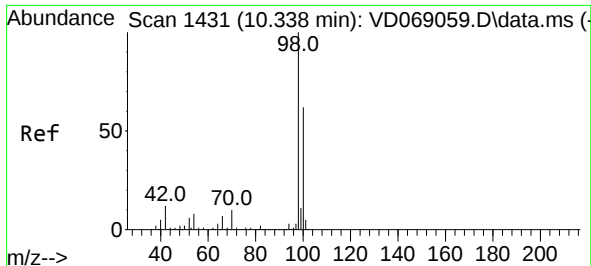
Delta R.T. 0.000 min

Lab File: VD069080.D

Acq: 06 May 2021 17:26

|             |              |
|-------------|--------------|
| Tgt Ion:113 | Resp: 162323 |
| Ion Ratio   | Lower Upper  |
| 113 100     |              |
| 111 103.3   | 84.6 126.8   |
| 192 17.7    | 13.5 20.3    |

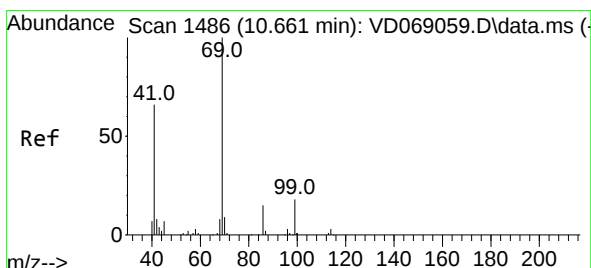
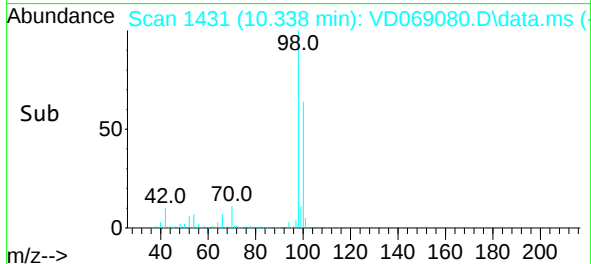
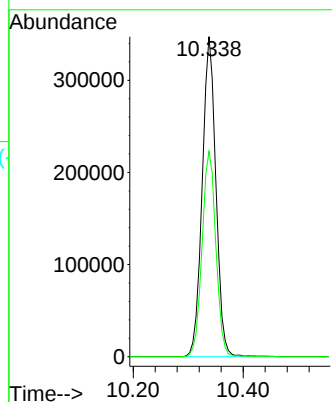
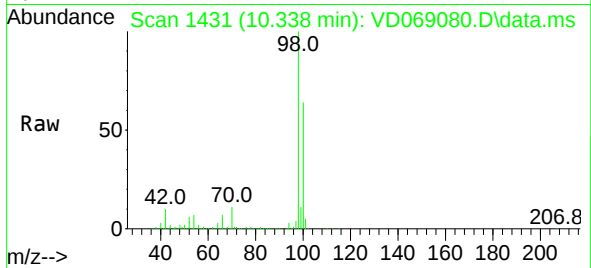




#50  
Toluene-d8  
Concen: 49.64 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

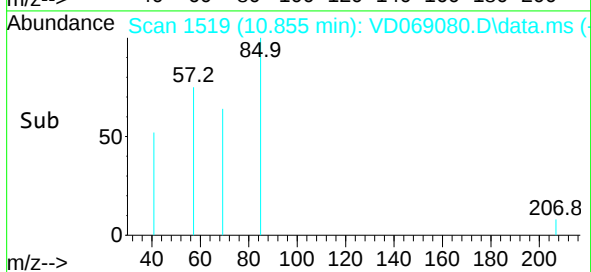
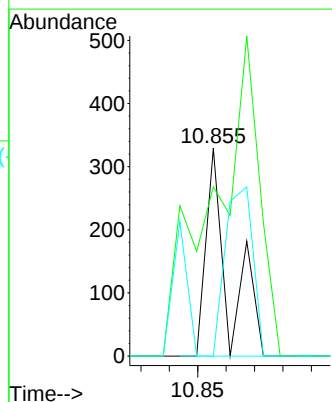
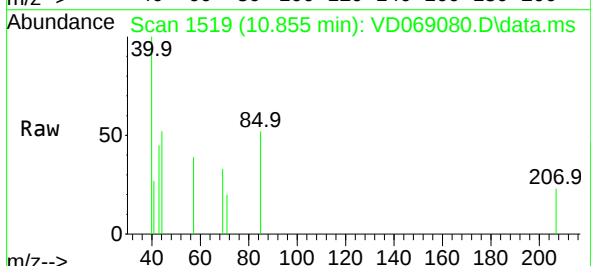
Instrument :  
MSVOA\_D  
ClientSampled :

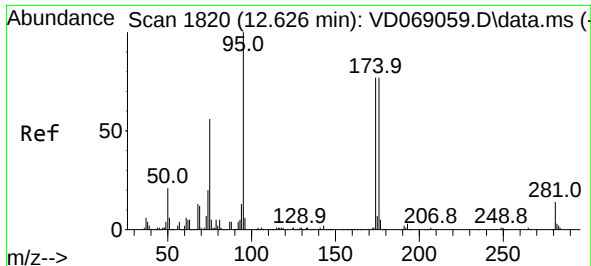
Tgt Ion: 98 Resp: 600630  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.6 77.4



#56  
Ethyl methacrylate  
Concen: 2.43 ug/l  
RT: 10.855 min Scan# 1519  
Delta R.T. 0.194 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

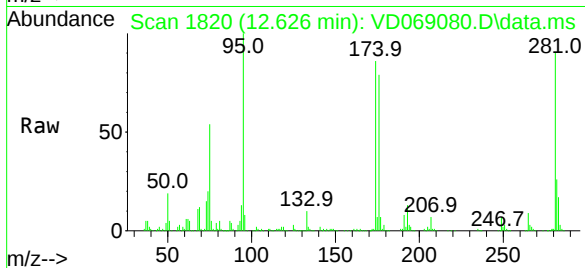
Tgt Ion: 69 Resp: 180  
Ion Ratio Lower Upper  
69 100  
41 316.1 49.2 73.8#  
39 100.6 29.8 44.6#



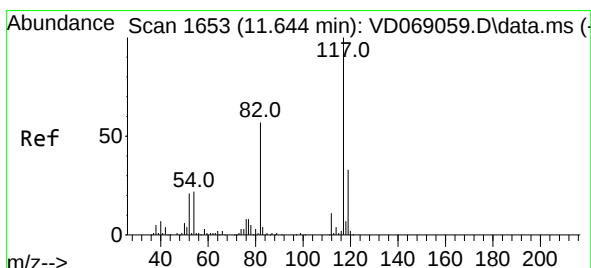
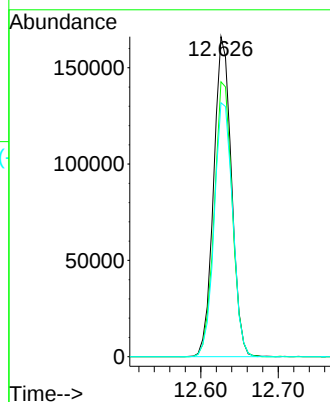
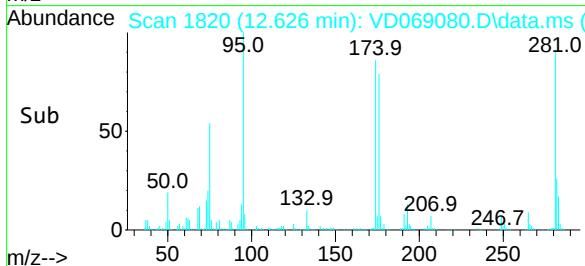


#62  
4-Bromofluorobenzene  
Concen: 66.91 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

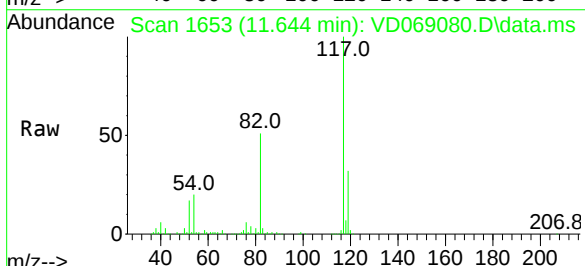
Instrument :  
MSVOA\_D  
ClientSampleId :



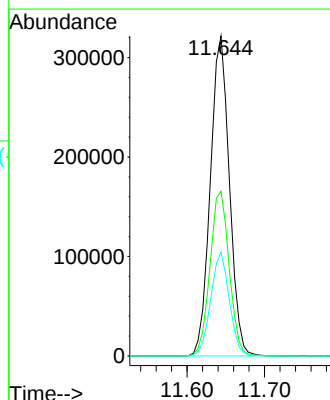
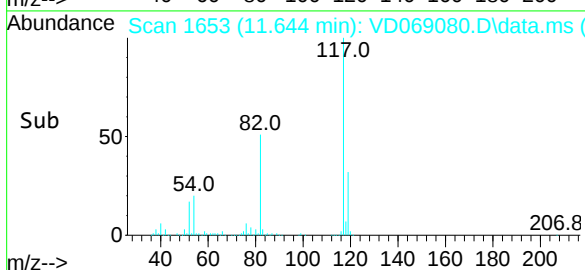
Tgt Ion: 95 Resp: 266300  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 156.0  
176 81.9 0.0 149.4

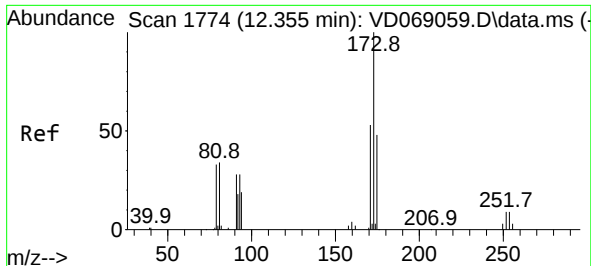


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26



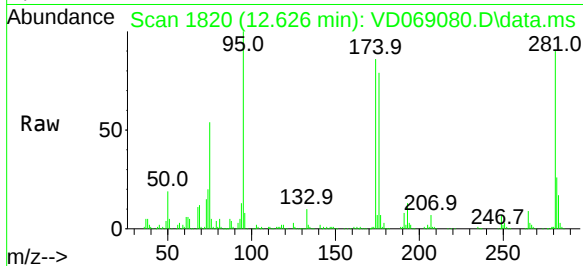
Tgt Ion: 117 Resp: 550182  
Ion Ratio Lower Upper  
117 100  
82 51.4 45.4 68.2  
119 32.5 26.8 40.2



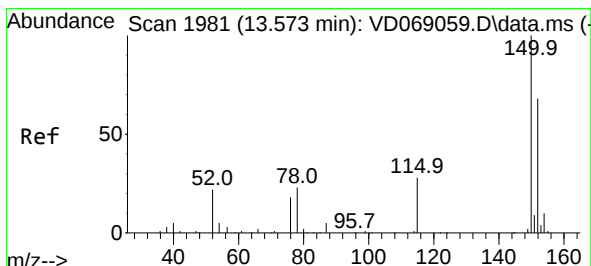
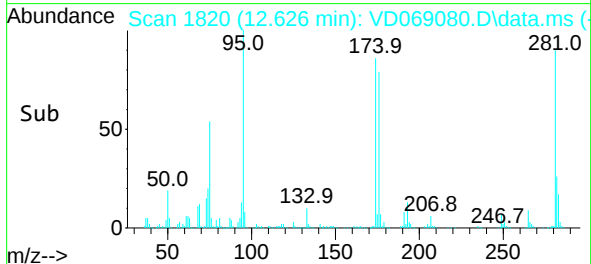
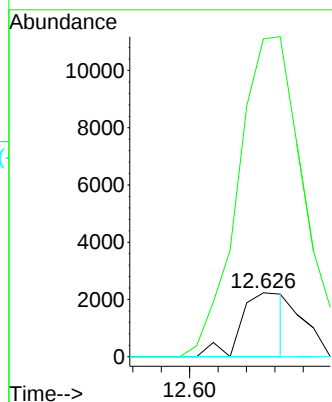


#71  
Bromoform  
Concen: 1.10 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.271 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

Instrument :  
MSVOA\_D  
ClientSampleId :

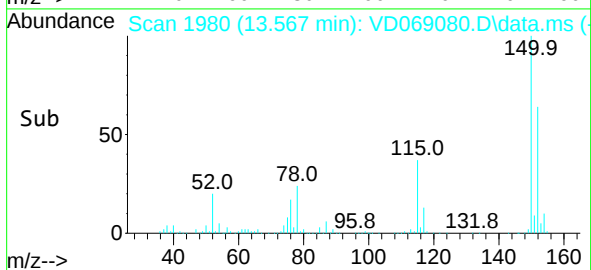
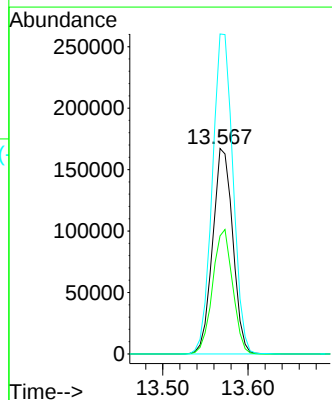
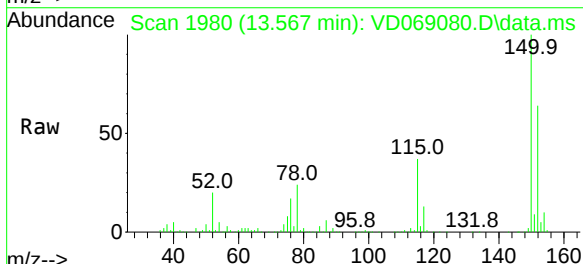


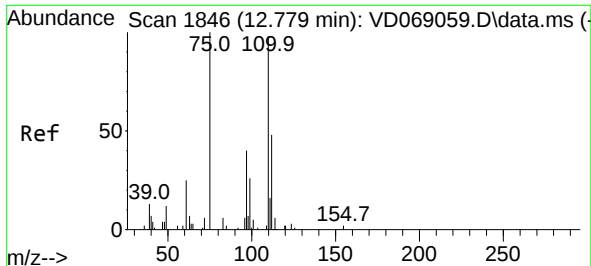
Tgt Ion:173 Resp: 2401  
Ion Ratio Lower Upper  
173 100  
175 0.0 23.8 71.4#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.006 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

Tgt Ion:152 Resp: 274301  
Ion Ratio Lower Upper  
152 100  
115 60.3 30.5 91.5  
150 159.6 0.0 340.8

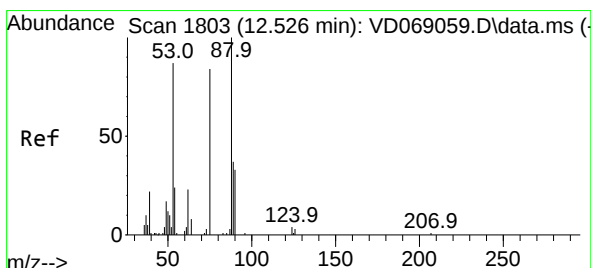
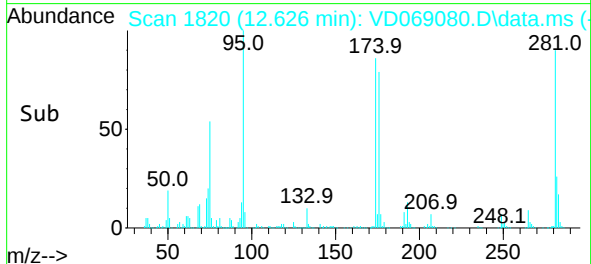
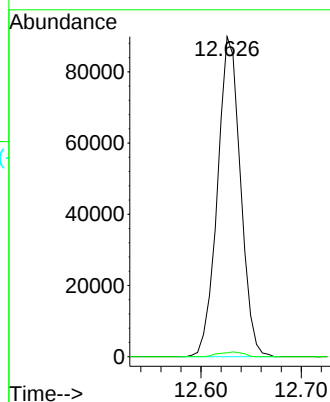
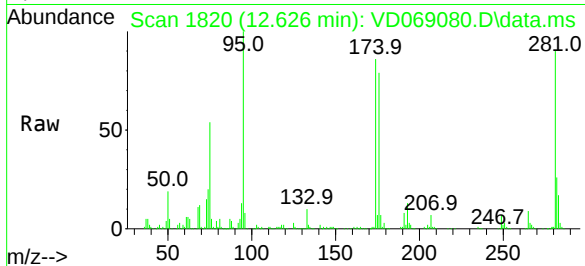




#76  
1,2,3-Trichloropropane  
Concen: 60.07 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.153 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

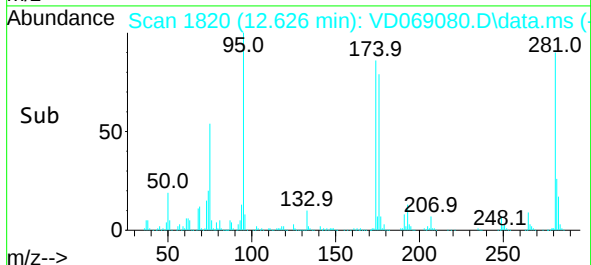
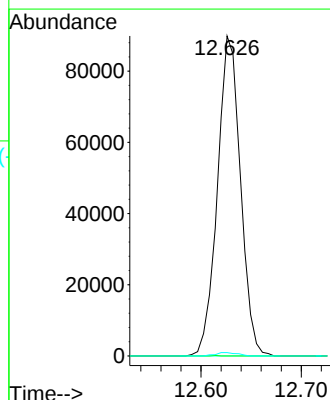
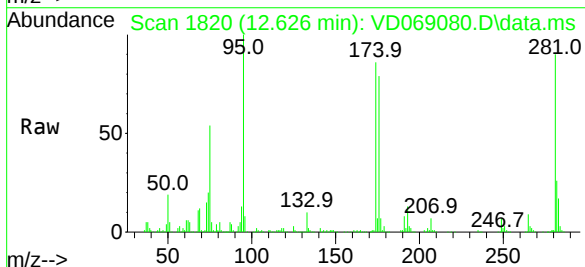
Instrument :  
MSVOA\_D  
ClientSampled :

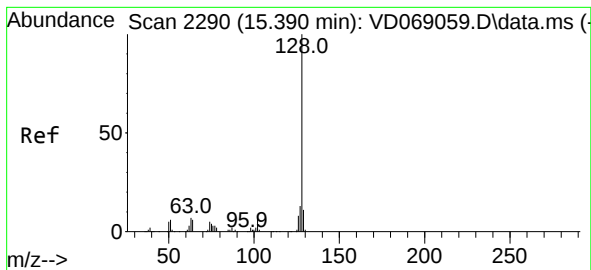
Tgt Ion: 75 Resp: 143440  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 130.71 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.100 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

Tgt Ion: 75 Resp: 143440  
Ion Ratio Lower Upper  
75 100  
53 0.0 80.4 120.6#  
89 1.0 37.8 56.8#





#95  
Naphthalene  
Concen: 2.90 ug/l  
RT: 15.396 min Scan# 2291  
Delta R.T. 0.006 min  
Lab File: VD069080.D  
Acq: 06 May 2021 17:26

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 676  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.7 16.1#  
129 0.0 8.5 12.7#

