

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060121\  
 Data File : VD069289.D  
 Acq On : 01 Jun 2021 17:57  
 Operator : VA/SY  
 Sample : M2565-01  
 Misc : 6.57G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jun 02 02:49:08 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 02 02:17:36 2021  
 Response via : Initial Calibration

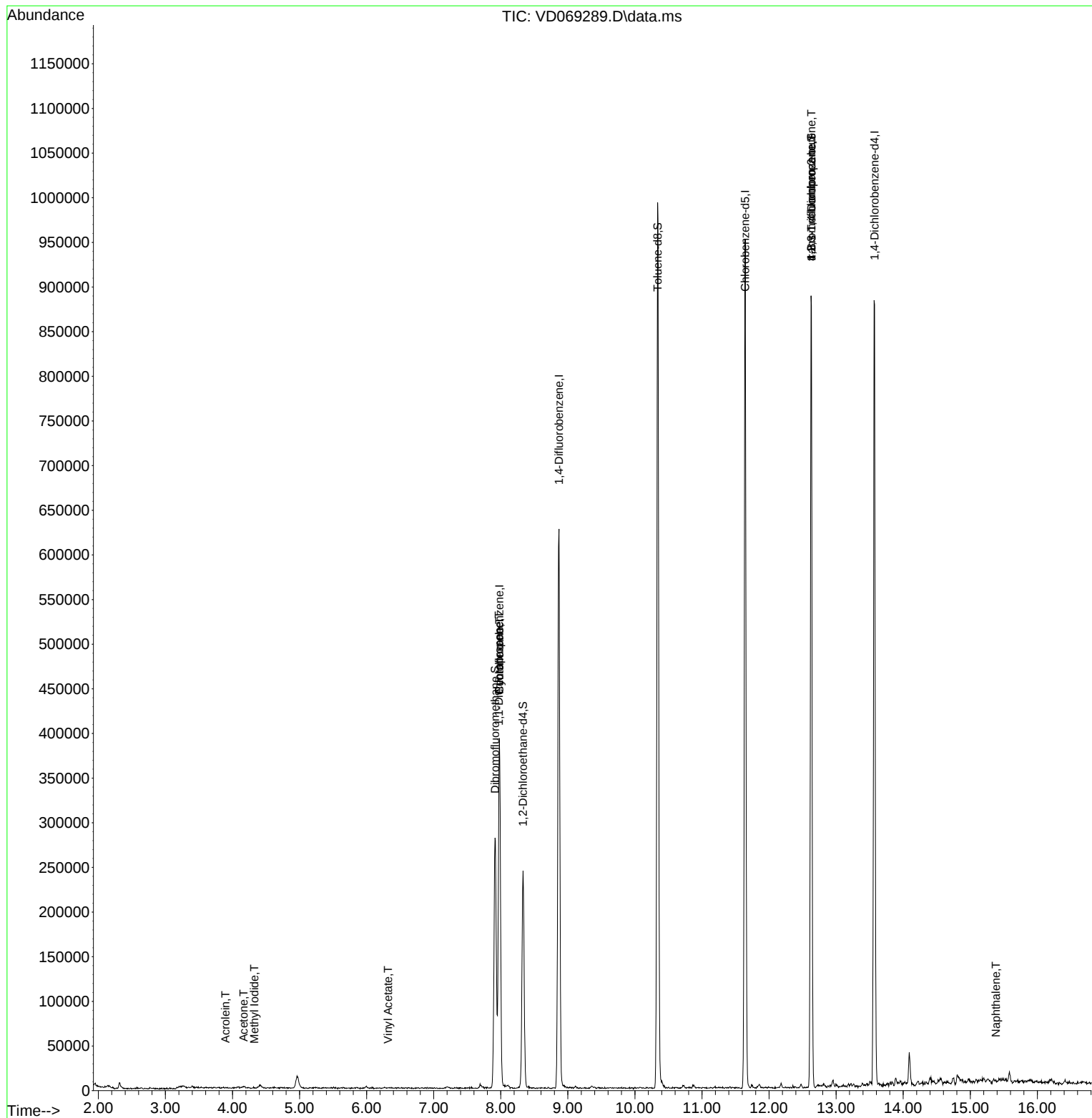
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 293350             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867          | 114  | 573224             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.643         | 117  | 556545             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573         | 152  | 248271             | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 194174             | 68.98     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 137.96% |           |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 208212             | 57.84     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 115.68% |           |        |          |
| 50) Toluene-d8                | 10.337         | 98   | 706136             | 53.95     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 107.90% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.631         | 95   | 231713             | 54.02     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 108.04% |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
|                               |                |      |                    |           | Qvalue |          |
| 10) Methyl Iodide             | 4.326          | 142  | 172                | 2.56      | ug/l # | 55       |
| 11) Tert butyl alcohol        | 5.238          | 59   | 595                | Below Cal | #      | 73       |
| 13) Acrolein                  | 3.897          | 56   | 71                 | 17.50     | ug/l # | 16       |
| 16) Acetone                   | 4.167          | 43   | 3253               | 6.62      | ug/l # | 67       |
| 20) Methylene Chloride        | 4.961          | 84   | 11305              | Below Cal |        | 97       |
| 23) Vinyl Acetate             | 6.320          | 43   | 78                 | 11.63     | ug/l # | 67       |
| 31) Cyclohexane               | 7.979          | 56   | 6613               | 1.48      | ug/l # | 16       |
| 36) 1,1-Dichloropropene       | 7.973          | 75   | 22964              | 4.12      | ug/l # | 49       |
| 76) 1,2,3-Trichloropropane    | 12.631         | 75   | 117109             | 54.29     | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.631         | 75   | 117109             | 120.31    | ug/l # | 18       |
| 95) Naphthalene               | 15.384         | 128  | 1517               | 3.47      | ug/l # | 84       |
| -----                         |                |      |                    |           |        |          |

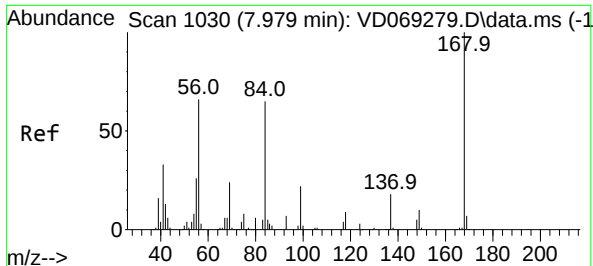
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M2565-01  
Misc : 6.57G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Jun 02 02:49:08 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060121S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 02 02:17:36 2021  
Response via : Initial Calibration

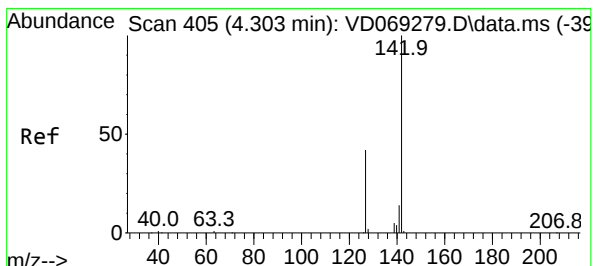
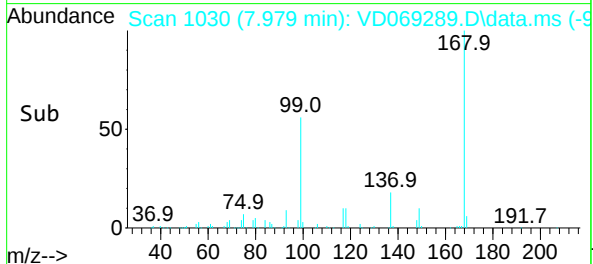
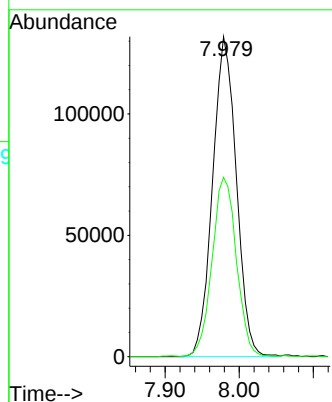
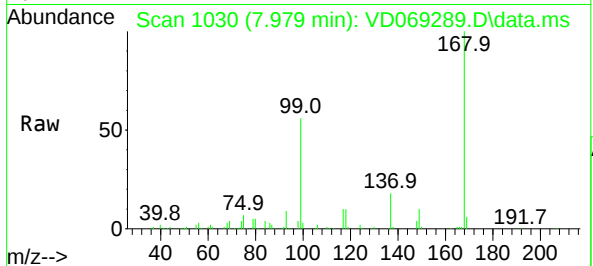




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

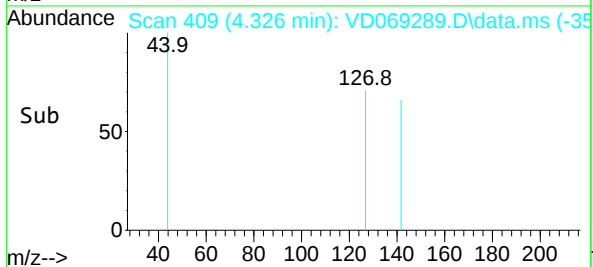
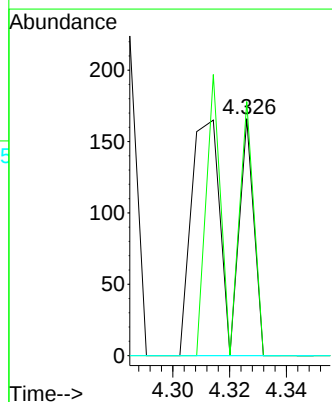
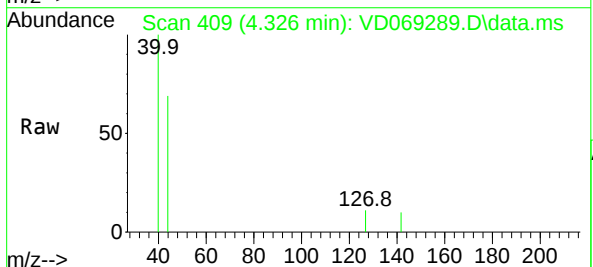
Instrument :  
MSVOA\_D  
ClientSampled :

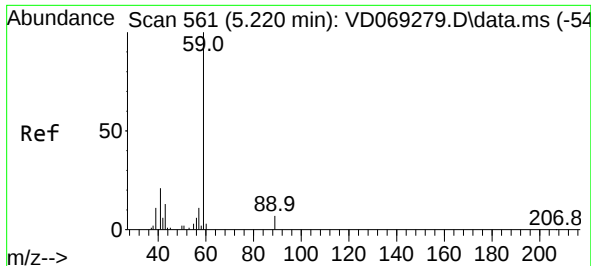
Tgt Ion:168 Resp: 293350  
Ion Ratio Lower Upper  
168 100  
99 55.9 46.2 69.2



#10  
Methyl Iodide  
Concen: 2.56 ug/l  
RT: 4.326 min Scan# 409  
Delta R.T. 0.023 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

Tgt Ion:142 Resp: 172  
Ion Ratio Lower Upper  
142 100  
127 76.7 36.2 54.2#  
141 0.0 12.2 18.2#



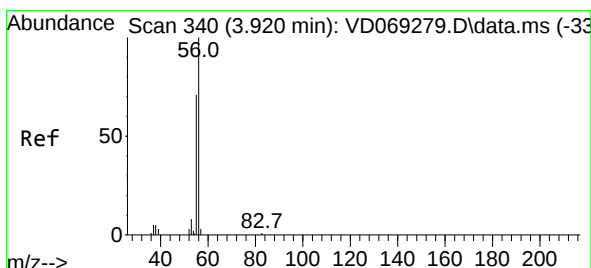
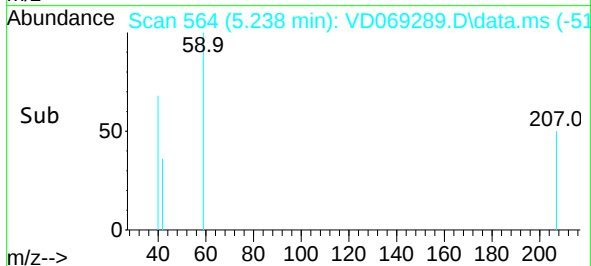
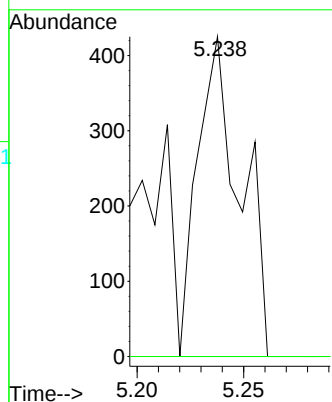
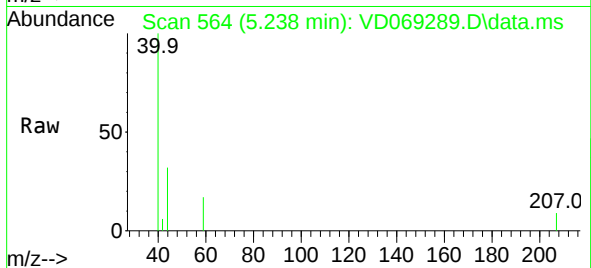


#11

Tert butyl alcohol  
Concen: Below Cal  
RT: 5.238 min Scan# 564  
Delta R.T. 0.018 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

Instrument :  
MSVOA\_D  
ClientSampleId :

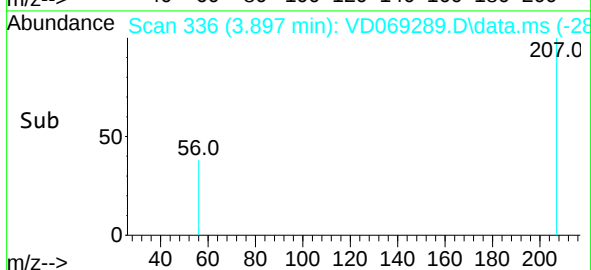
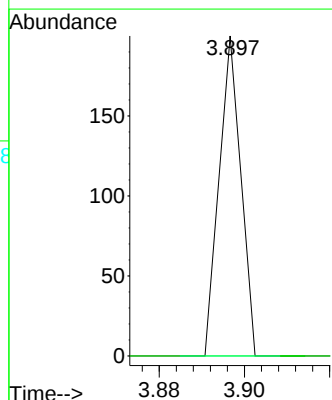
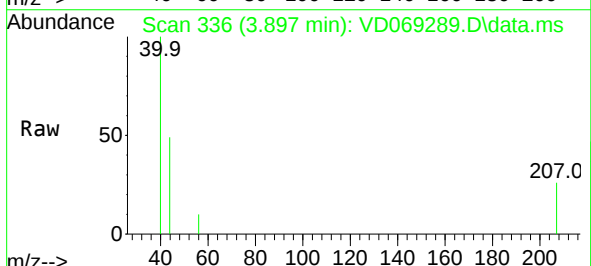
Tgt Ion: 59 Resp: 595  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

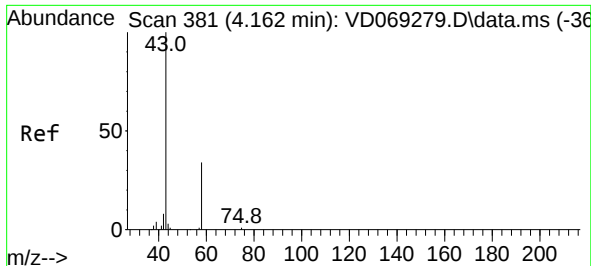


#13

Acrolein  
Concen: 17.50 ug/l  
RT: 3.897 min Scan# 336  
Delta R.T. -0.023 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

Tgt Ion: 56 Resp: 71  
Ion Ratio Lower Upper  
56 100  
55 0.0 53.8 80.8#

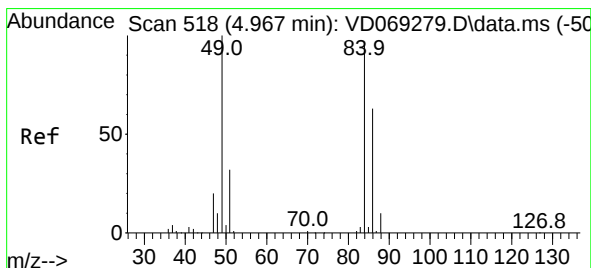
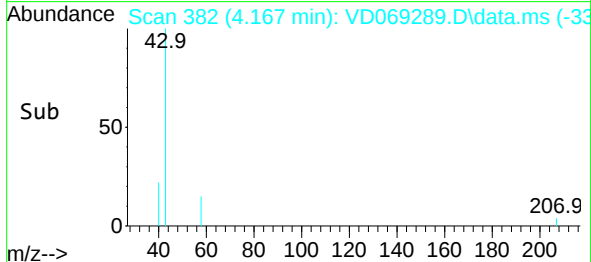
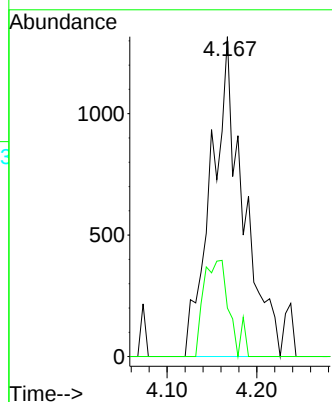
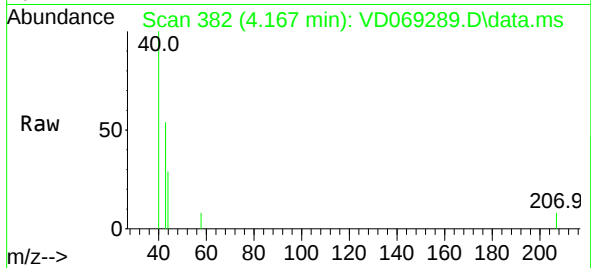




#16  
Acetone  
Concen: 6.62 ug/l  
RT: 4.167 min Scan# 382  
Delta R.T. 0.006 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

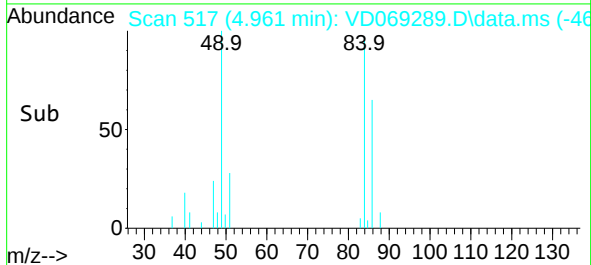
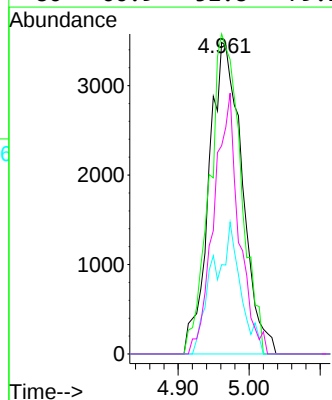
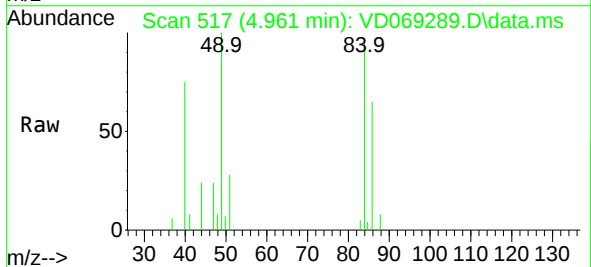
Instrument :  
MSVOA\_D  
ClientSampled :

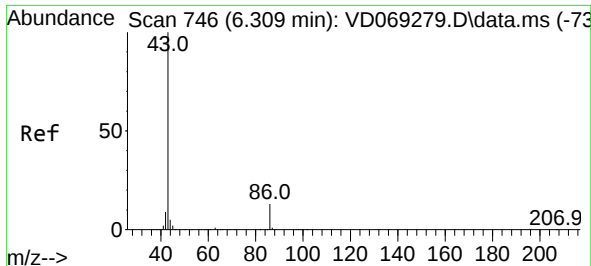
Tgt Ion: 43 Resp: 3253  
Ion Ratio Lower Upper  
43 100  
58 15.2 27.5 41.3#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.961 min Scan# 517  
Delta R.T. -0.006 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

Tgt Ion: 84 Resp: 11305  
Ion Ratio Lower Upper  
84 100  
49 102.7 83.7 125.5  
51 28.7 26.4 39.6  
86 66.9 52.8 79.2

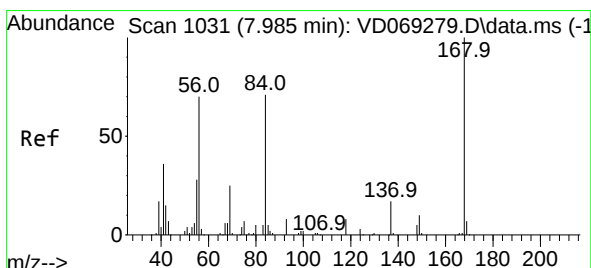
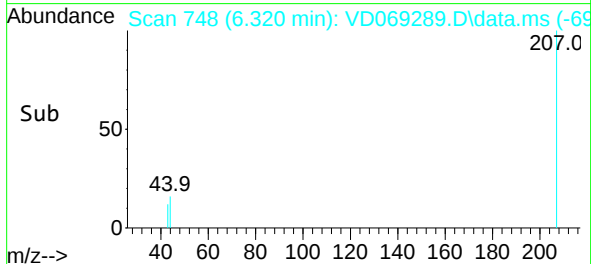
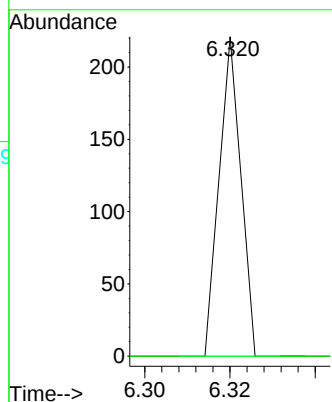
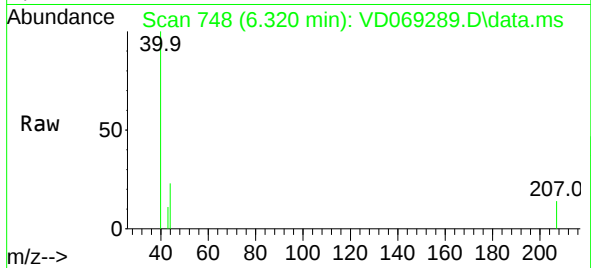




#23  
 Vinyl Acetate  
 Concen: 11.63 ug/l  
 RT: 6.320 min Scan# 748  
 Delta R.T. 0.011 min  
 Lab File: VD069289.D  
 Acq: 01 Jun 2021 17:57

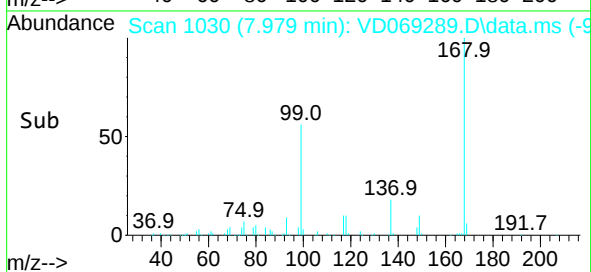
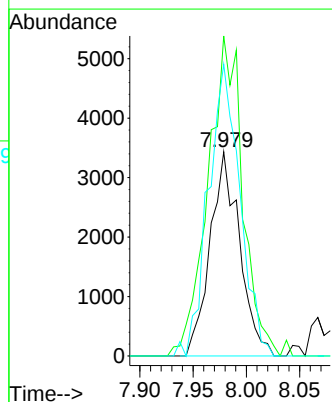
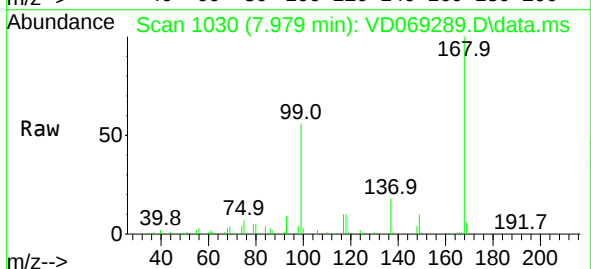
Instrument :  
 MSVOA\_D  
 ClientSampled :

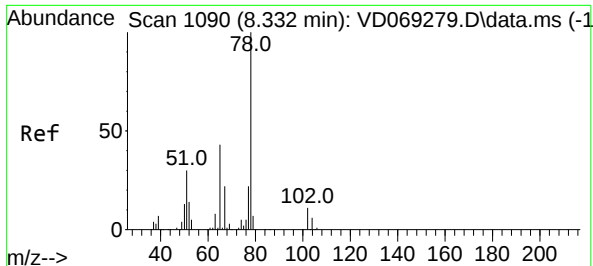
Tgt Ion: 43 Resp: 78  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 10.5 15.7#



#31  
 Cyclohexane  
 Concen: 1.48 ug/l  
 RT: 7.979 min Scan# 1030  
 Delta R.T. -0.006 min  
 Lab File: VD069289.D  
 Acq: 01 Jun 2021 17:57

Tgt Ion: 56 Resp: 6613  
 Ion Ratio Lower Upper  
 56 100  
 69 156.8 29.0 43.4#  
 84 142.9 81.1 121.7#

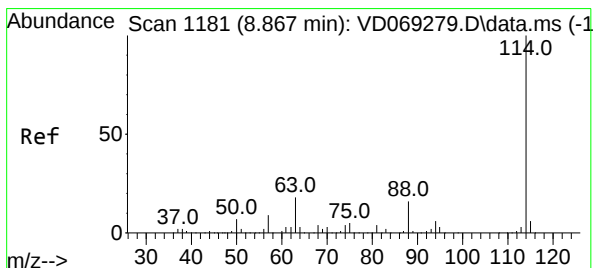
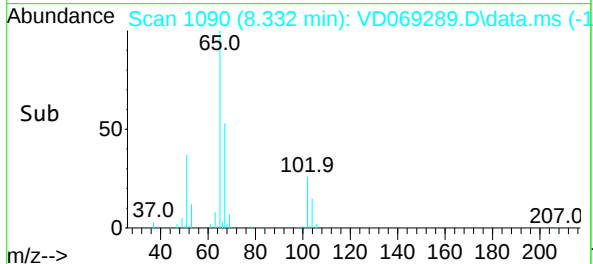
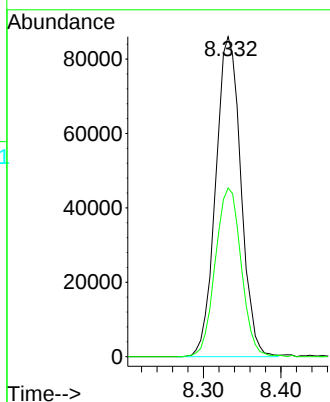
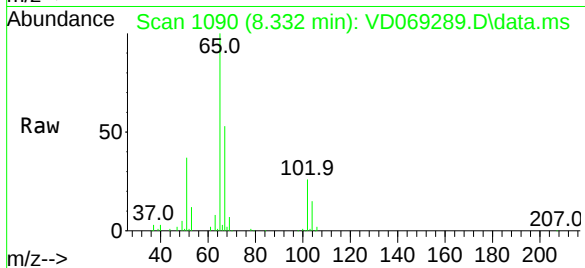




#33  
1,2-Dichloroethane-d4  
Concen: 68.98 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

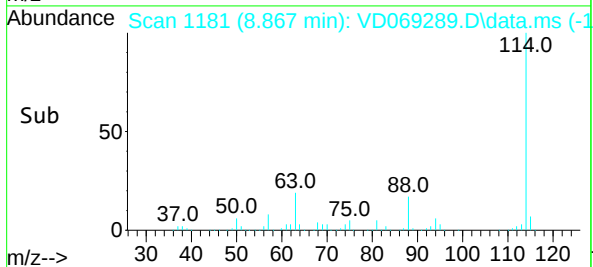
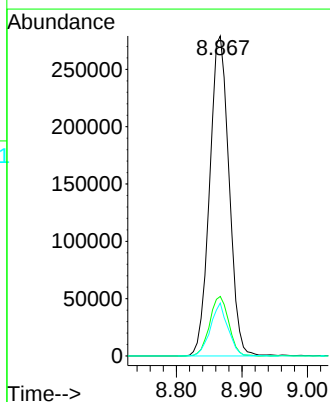
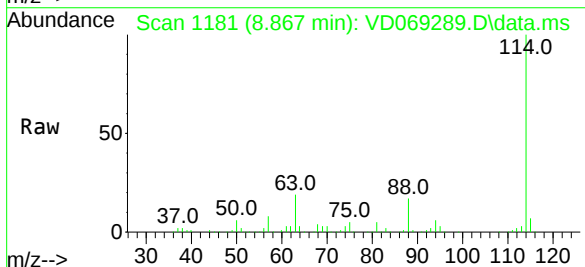
Instrument :  
MSVOA\_D  
ClientSampled :

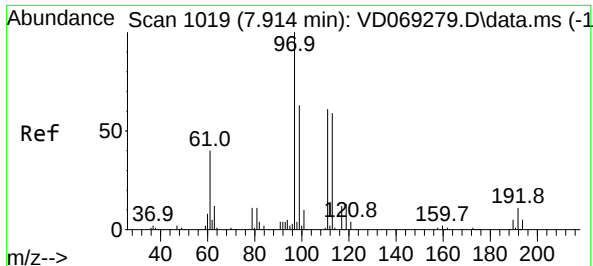
Tgt Ion: 65 Resp: 194174  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 105.8



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

Tgt Ion: 114 Resp: 573224  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 35.6  
88 16.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 57.84 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069289.D

Acq: 01 Jun 2021 17:57

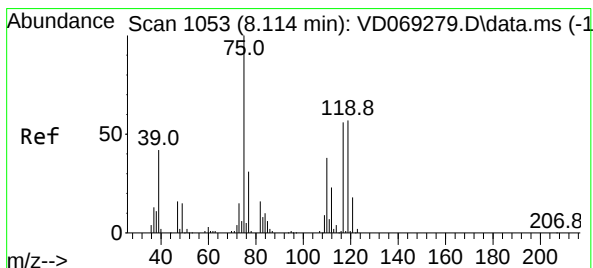
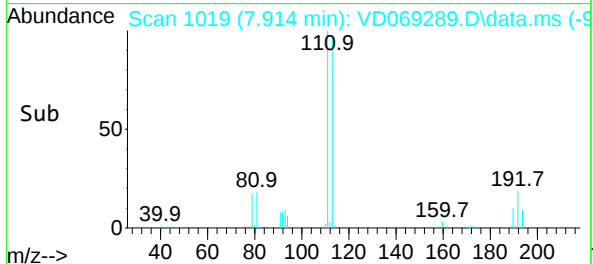
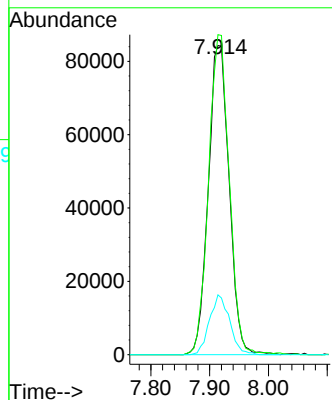
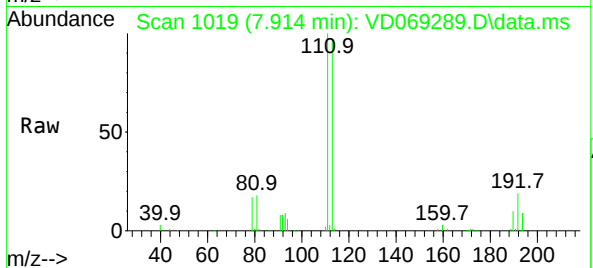
Tgt Ion:113 Resp: 208212

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

192 18.6 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.12 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD069289.D

Acq: 01 Jun 2021 17:57

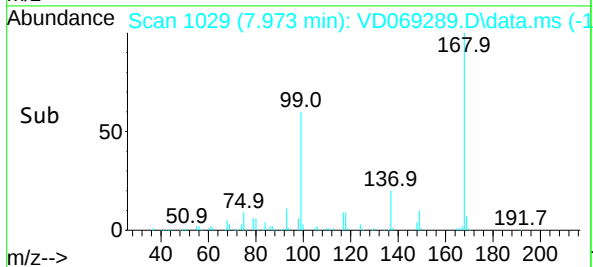
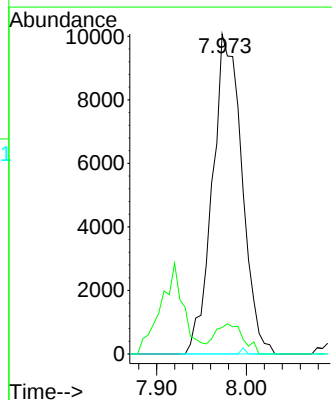
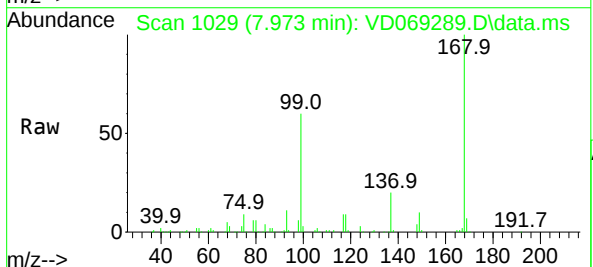
Tgt Ion: 75 Resp: 22964

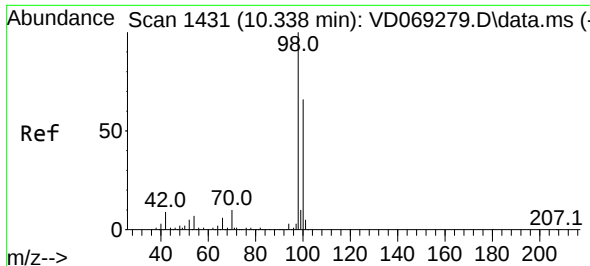
Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.2#

77 0.0 24.9 37.3#

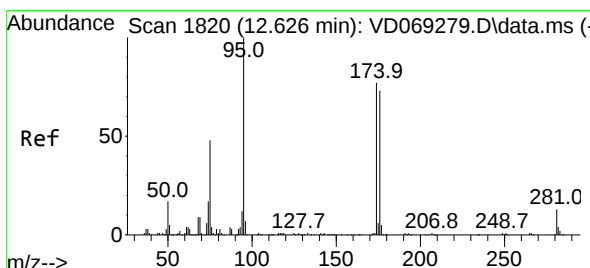
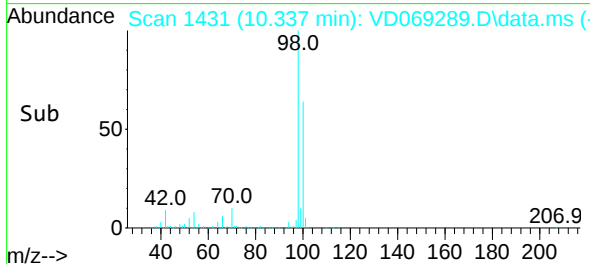
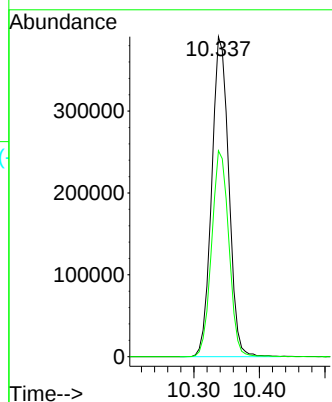
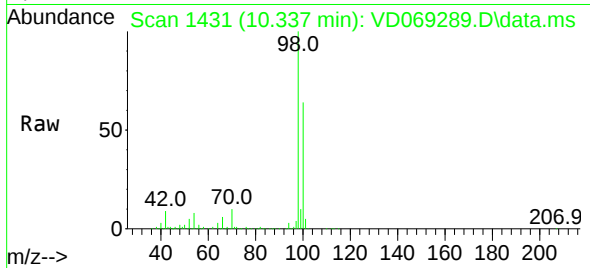




#50  
Toluene-d8  
Concen: 53.95 ug/l  
RT: 10.337 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

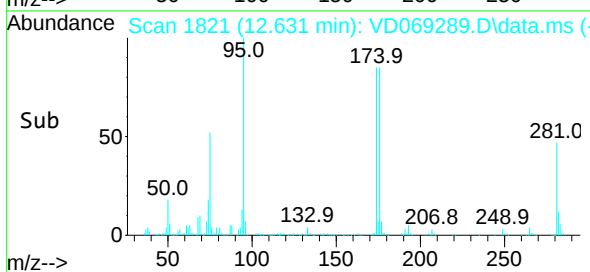
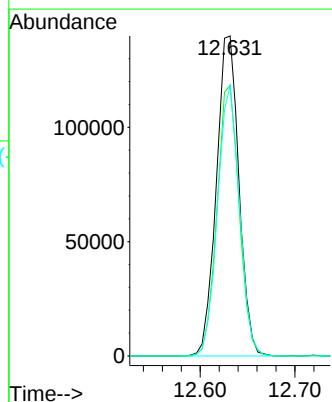
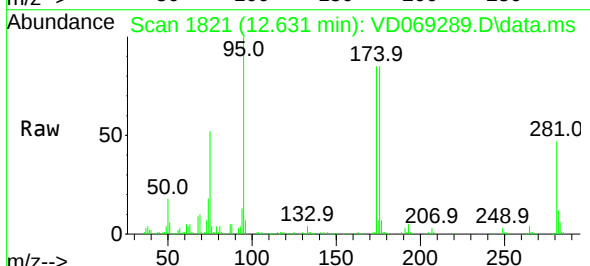
Instrument :  
MSVOA\_D  
ClientSampleId :

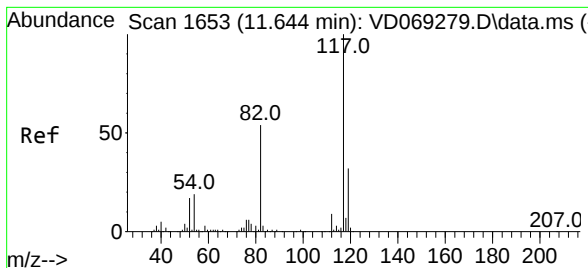
Tgt Ion: 98 Resp: 706136  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 54.02 ug/l  
RT: 12.631 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

Tgt Ion: 95 Resp: 231713  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 162.8  
176 81.8 0.0 154.4

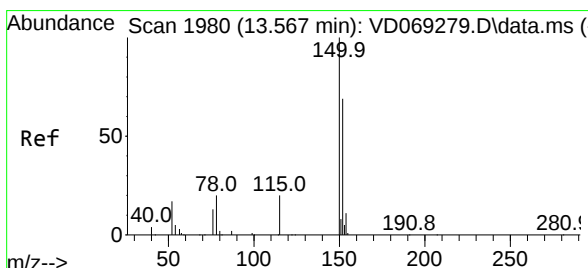
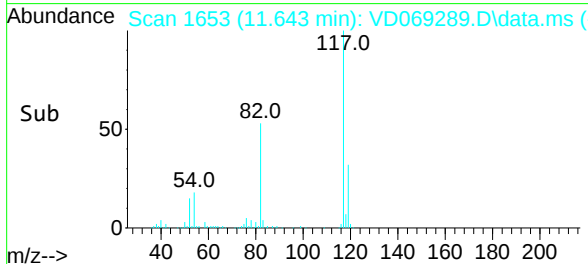
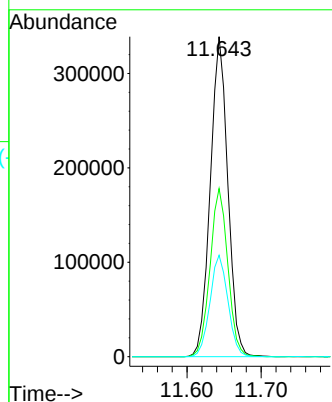
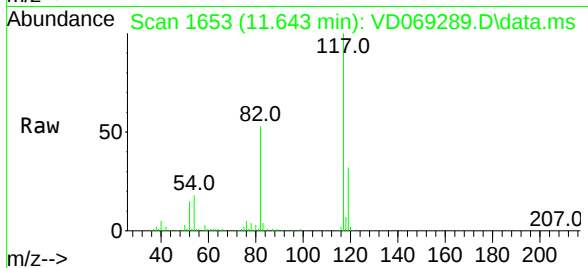




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. -0.000 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

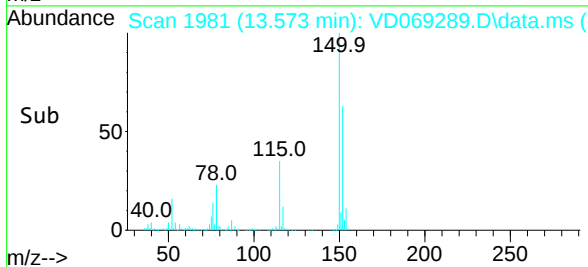
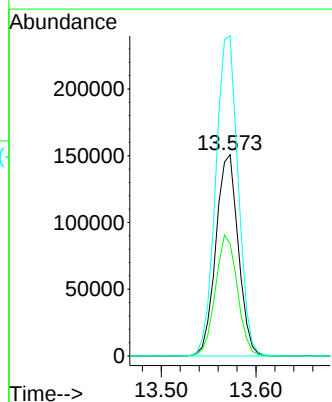
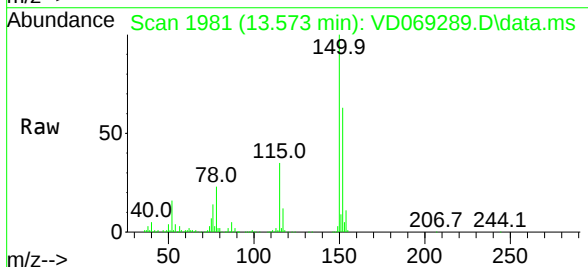
Instrument :  
MSVOA\_D  
ClientSampleId :

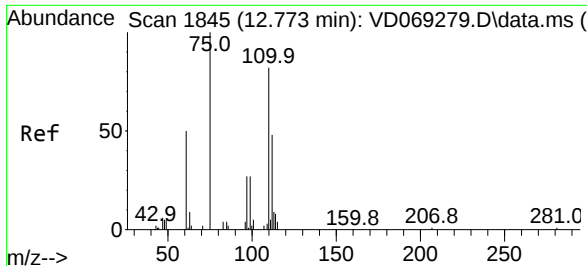
Tgt Ion:117 Resp: 556545  
Ion Ratio Lower Upper  
117 100  
82 52.6 43.3 64.9  
119 31.7 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.006 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

Tgt Ion:152 Resp: 248271  
Ion Ratio Lower Upper  
152 100  
115 58.9 29.4 88.3  
150 159.2 0.0 355.0

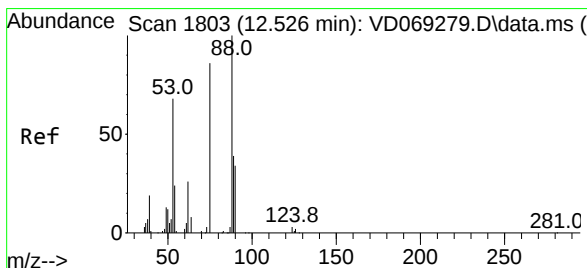
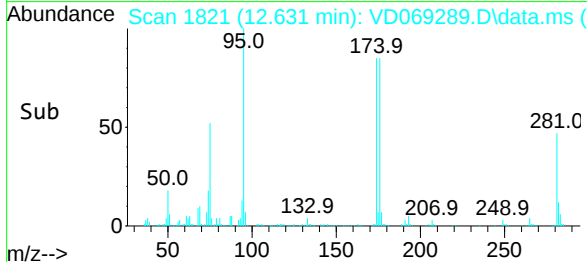
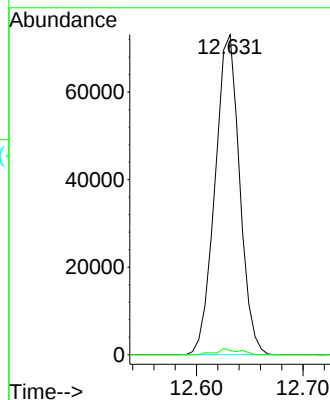
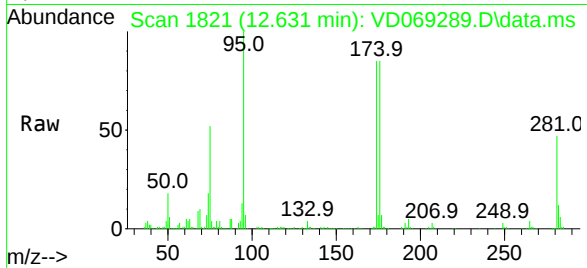




#76  
1,2,3-Trichloropropane  
Concen: 54.29 ug/l  
RT: 12.631 min Scan# 1821  
Delta R.T. -0.141 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

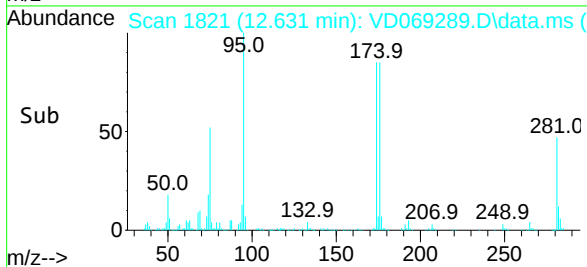
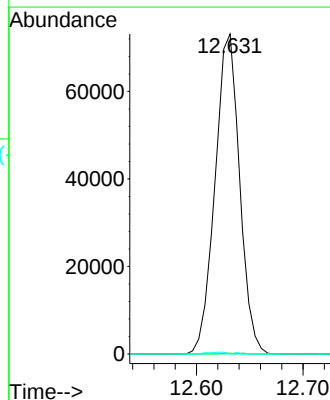
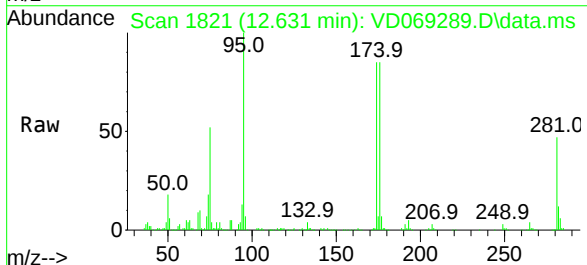
Instrument :  
MSVOA\_D  
ClientSampleId :

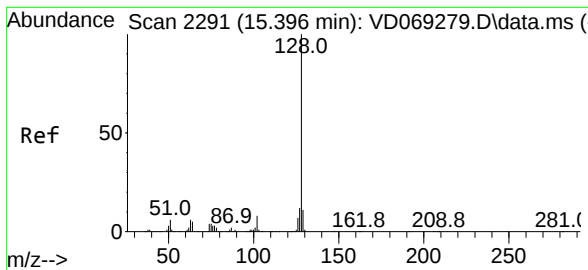
Tgt Ion: 75 Resp: 117109  
Ion Ratio Lower Upper  
75 100  
77 1.7 183.8 551.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 120.31 ug/l  
RT: 12.631 min Scan# 1821  
Delta R.T. 0.106 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

Tgt Ion: 75 Resp: 117109  
Ion Ratio Lower Upper  
75 100  
53 0.1 62.6 94.0#  
89 0.5 35.6 53.4#





#95  
Naphthalene  
Concen: 3.47 ug/l  
RT: 15.384 min Scan# 2289  
Delta R.T. -0.012 min  
Lab File: VD069289.D  
Acq: 01 Jun 2021 17:57

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 1517  
Ion Ratio Lower Upper  
128 100  
127 6.5 10.4 15.6#  
129 5.2 8.8 13.2#

