

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061721\  
 Data File : VD069485.D  
 Acq On : 17 Jun 2021 17:44  
 Operator : VA/SY  
 Sample : M2745-02  
 Misc : 5.06G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jun 18 01:28:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 11 12:50:13 2021  
 Response via : Initial Calibration

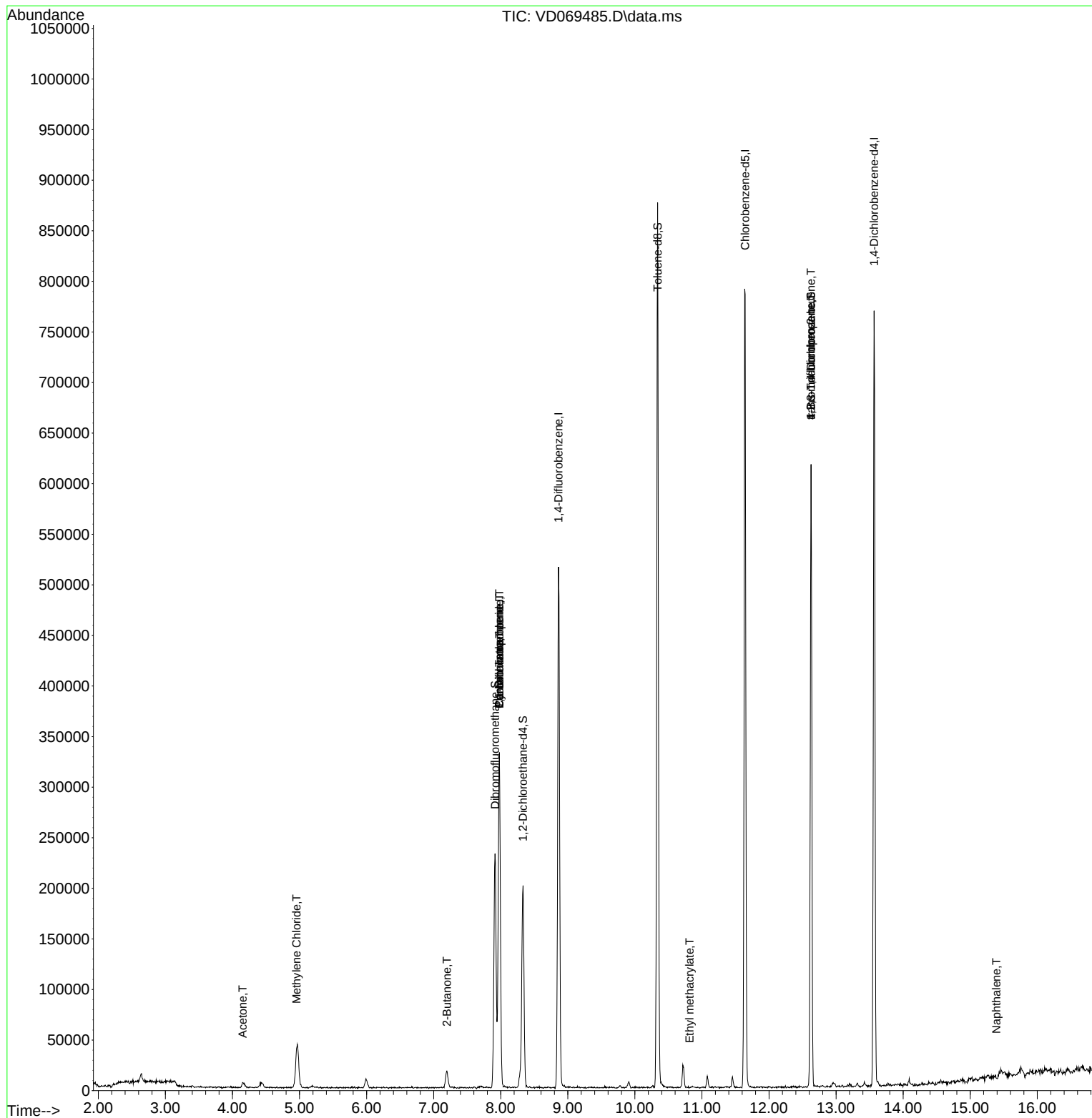
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.979  | 168   | 245619   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 456415   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.644 | 117   | 481768   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152   | 216195   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332  | 65    | 159334   | 57.501    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 115.000% |
| 35) Dibromofluoromethane      | 7.914  | 113   | 169637   | 49.622    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 99.240%  |
| 50) Toluene-d8                | 10.338 | 98    | 592056   | 47.352    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 94.700%  |
| 62) 4-Bromofluorobenzene      | 12.626 | 95    | 193587   | 48.254    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 96.500%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 2.779  | 94    | 389      | Below Cal | #      | 53       |
| 16) Acetone                   | 4.150  | 43    | 8954     | 19.522    | ug/l   | 98       |
| 18) Methyl Acetate            | 4.885  | 43    | 71       | Below Cal | #      | 46       |
| 20) Methylene Chloride        | 4.956  | 84    | 36998    | 4.890     | ug/l   | 94       |
| 25) 2-Butanone                | 7.197  | 43    | 957      | 1.673     | ug/l # | 45       |
| 31) Cyclohexane               | 7.979  | 56    | 5297     | 1.407     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.979  | 75    | 19409    | 4.084     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 24481    | 4.755     | ug/l # | 16       |
| 56) Ethyl methacrylate        | 10.814 | 69    | 57       | 2.841     | ug/l # | 31       |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75    | 94948    | 43.319    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75    | 94948    | 115.563   | ug/l # | 18       |
| 95) Naphthalene               | 15.390 | 128   | 381      | 3.618     | ug/l # | 69       |
| -----                         |        |       |          |           |        |          |

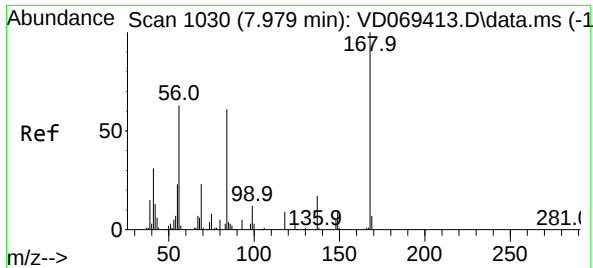
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061721\  
Data File : VD069485.D  
Acq On : 17 Jun 2021 17:44  
Operator : VA/SY  
Sample : M2745-02  
Misc : 5.06G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Jun 18 01:28:10 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 11 12:50:13 2021  
Response via : Initial Calibration

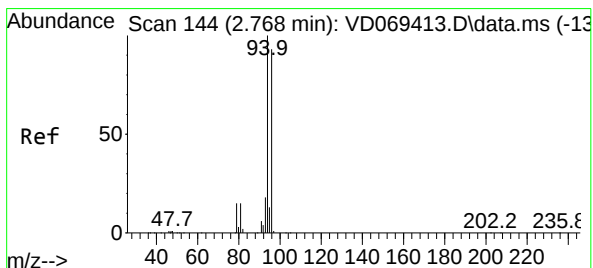
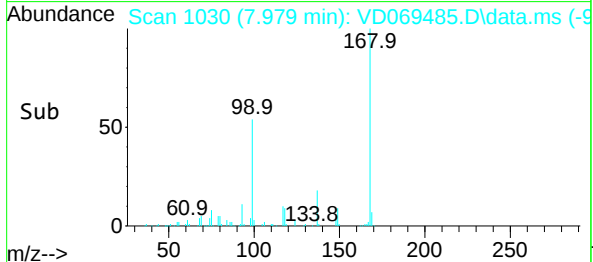
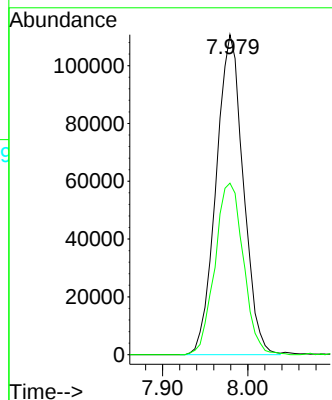
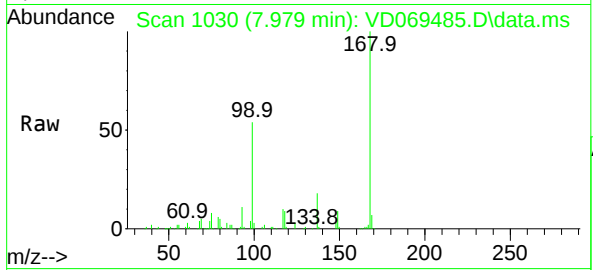




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

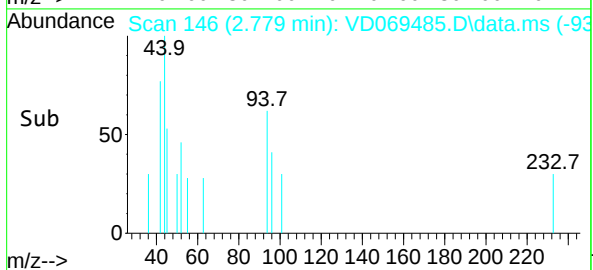
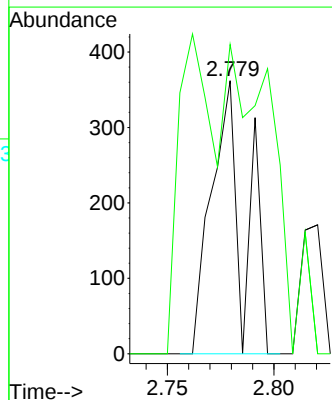
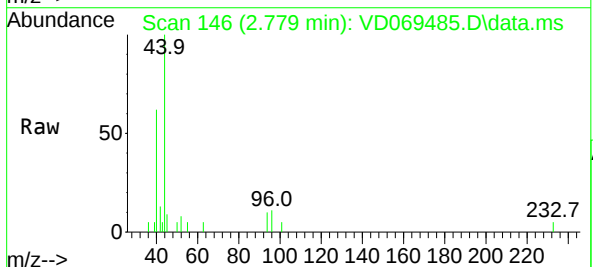
Instrument :  
MSVOA\_D  
ClientSampled :

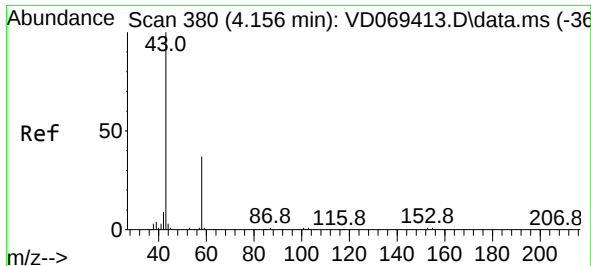
Tgt Ion:168 Resp: 245619  
Ion Ratio Lower Upper  
168 100  
99 53.6 46.2 69.2



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.779 min Scan# 146  
Delta R.T. 0.011 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

Tgt Ion: 94 Resp: 389  
Ion Ratio Lower Upper  
94 100  
96 44.2 70.3 105.5#

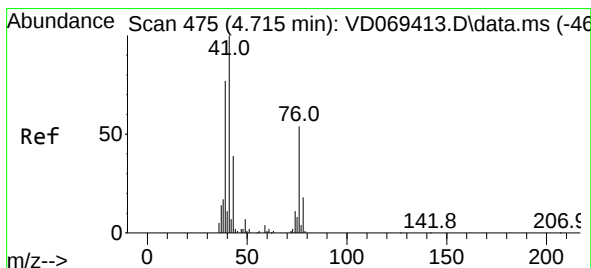
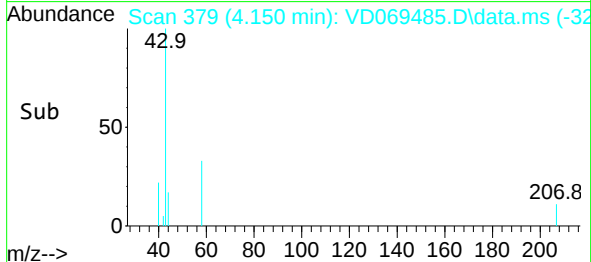
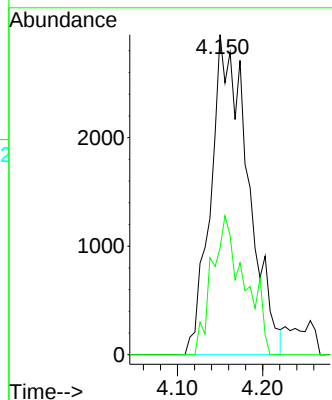
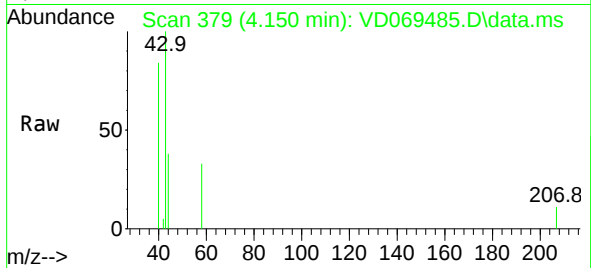




#16  
Acetone  
Concen: 19.522 ug/l  
RT: 4.150 min Scan# 379  
Delta R.T. -0.006 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

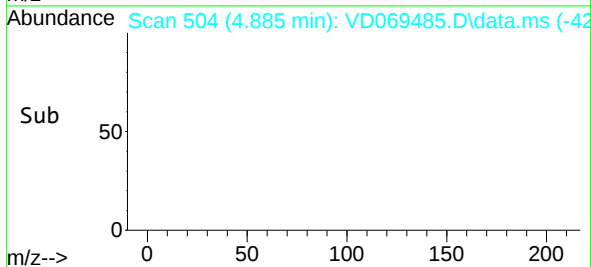
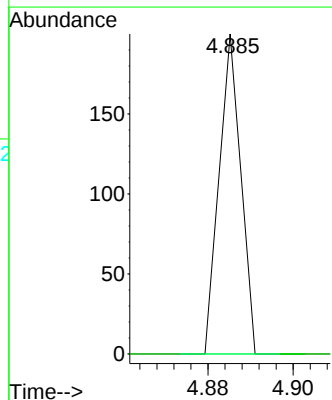
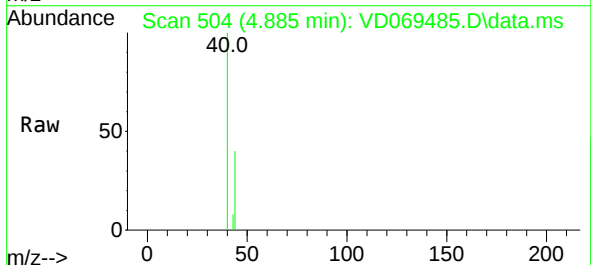
Instrument :  
MSVOA\_D  
ClientSampled :

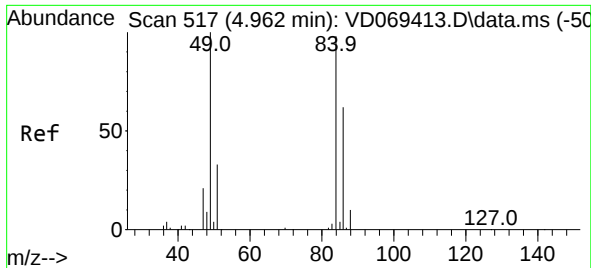
Tgt Ion: 43 Resp: 8954  
Ion Ratio Lower Upper  
43 100  
58 33.2 27.5 41.3



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.885 min Scan# 504  
Delta R.T. 0.170 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

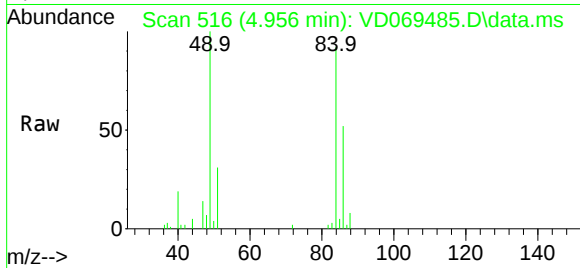
Tgt Ion: 43 Resp: 71  
Ion Ratio Lower Upper  
43 100  
74 0.0 22.8 34.2#



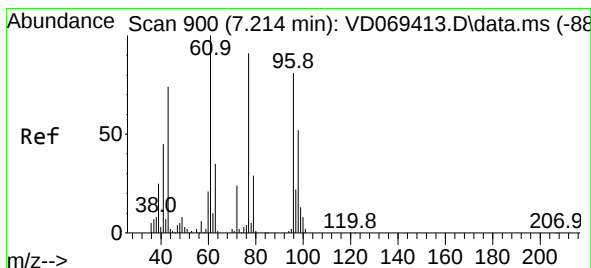
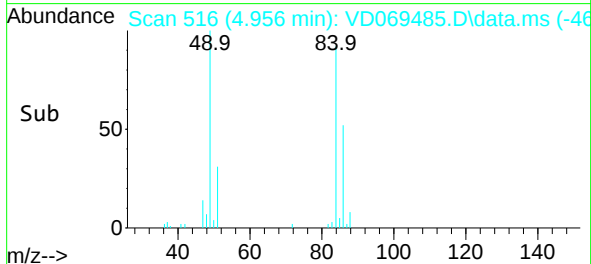
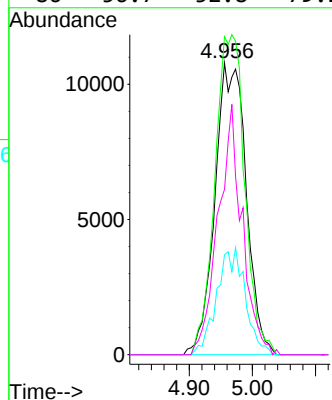


#20  
Methylene Chloride  
Concen: 4.890 ug/l  
RT: 4.956 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

Instrument :  
MSVOA\_D  
ClientSampled :

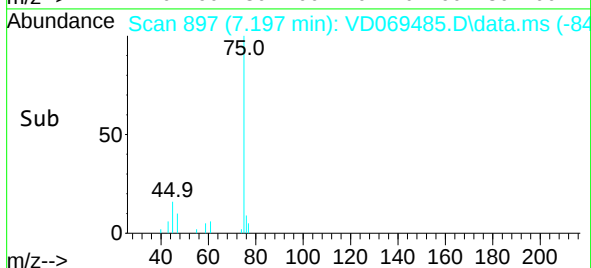
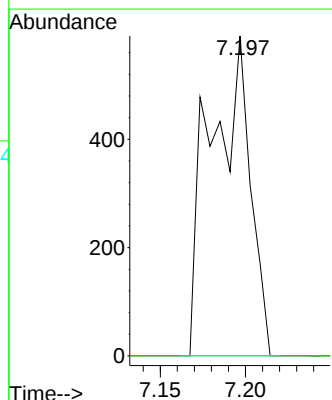
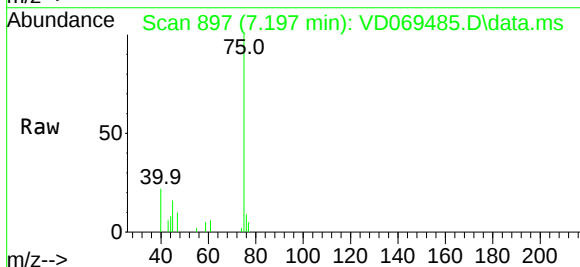


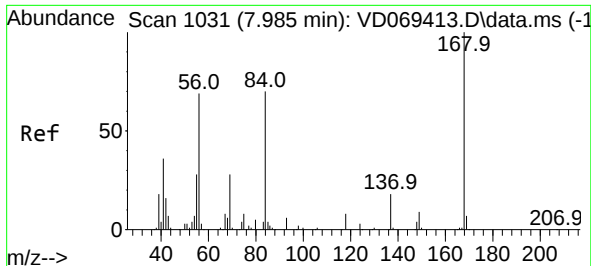
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 36998 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 109.0 | 83.7  | 125.5 |
| 51       | 34.2  | 26.4  | 39.6  |
| 86       | 56.7  | 52.8  | 79.2  |



#25  
2-Butanone  
Concen: 1.673 ug/l  
RT: 7.197 min Scan# 897  
Delta R.T. -0.017 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

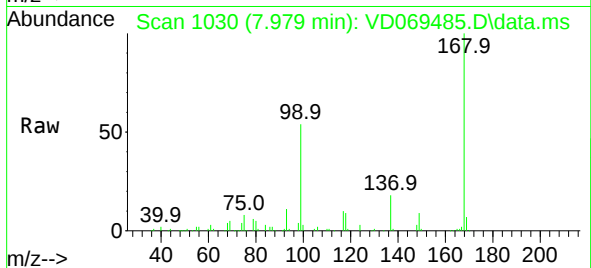
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 957   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 23.9  | 35.9# |



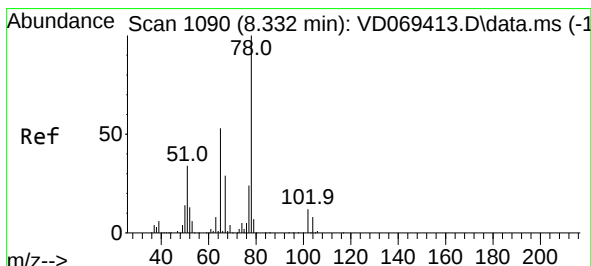
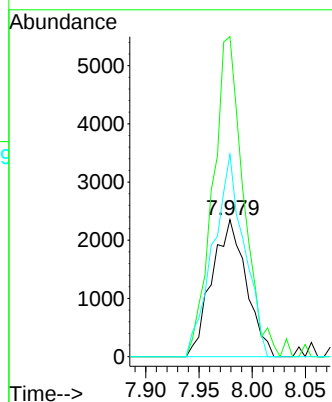
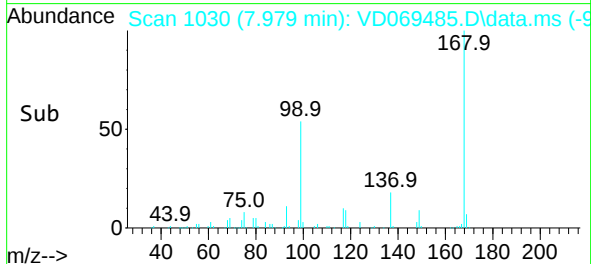


#31  
Cyclohexane  
Concen: 1.407 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

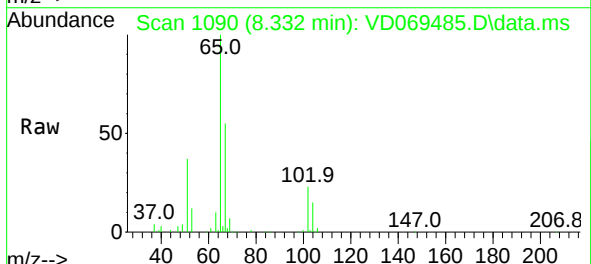
Instrument :  
MSVOA\_D  
ClientSampled :



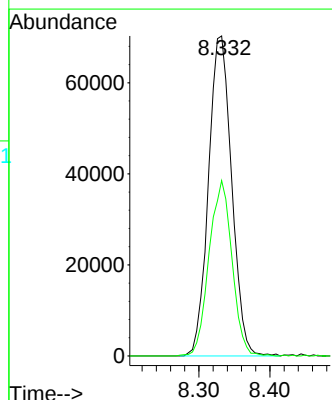
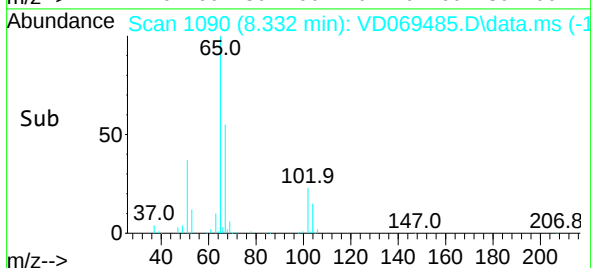
Tgt Ion: 56 Resp: 5297  
Ion Ratio Lower Upper  
56 100  
69 233.8 29.0 43.4#  
84 147.8 81.1 121.7#

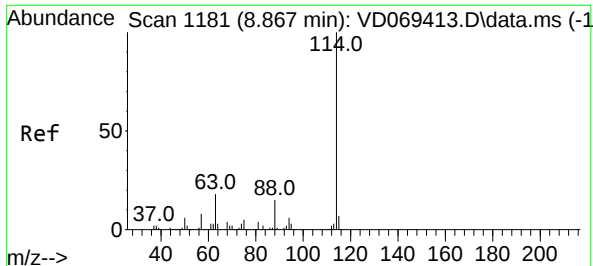


#33  
1,2-Dichloroethane-d4  
Concen: 57.501 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44



Tgt Ion: 65 Resp: 159334  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 105.8

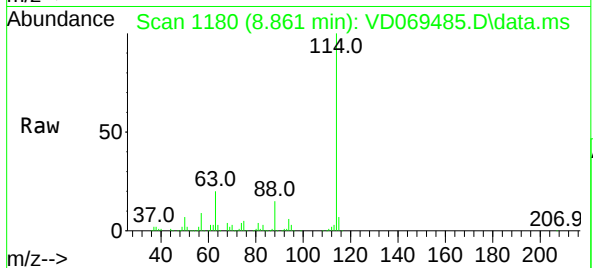




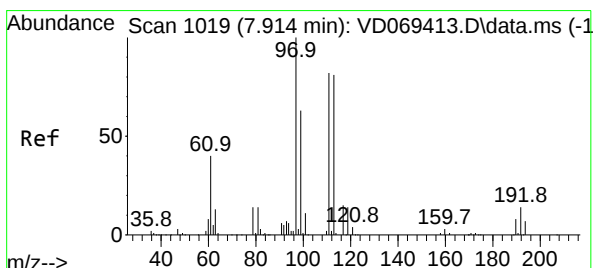
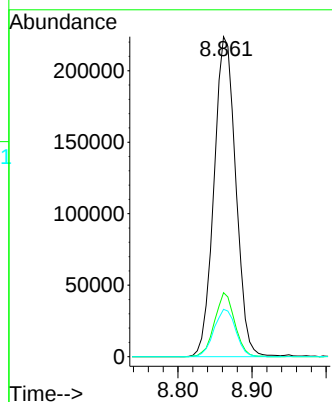
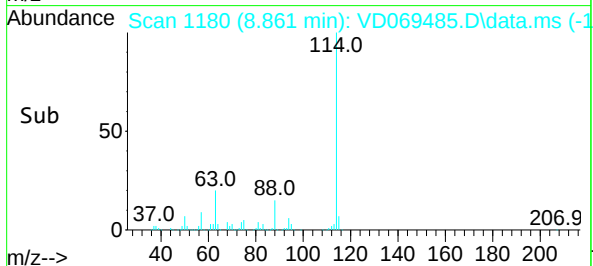
#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

Instrument :  
MSVOA\_D  
ClientSampled :

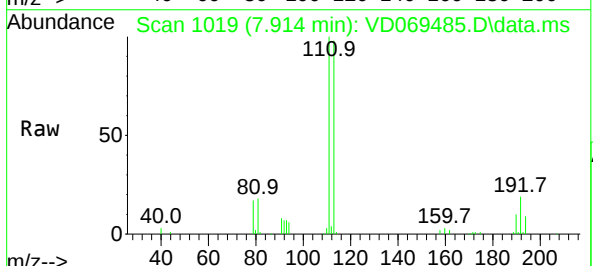


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 456415 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 20.0  | 0.0   | 35.6   |
| 88        | 14.8  | 0.0   | 31.2   |

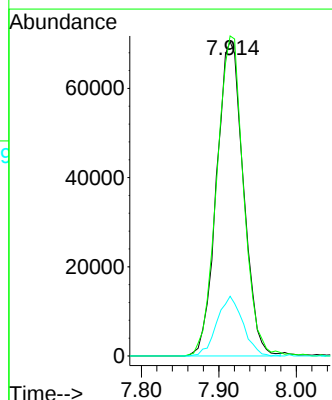
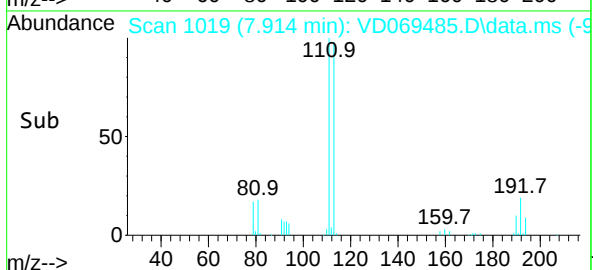


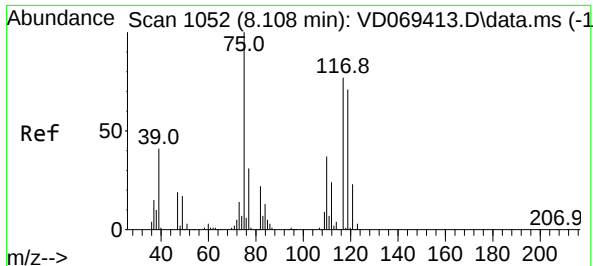
#35

Dibromofluoromethane  
Concen: 49.622 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44



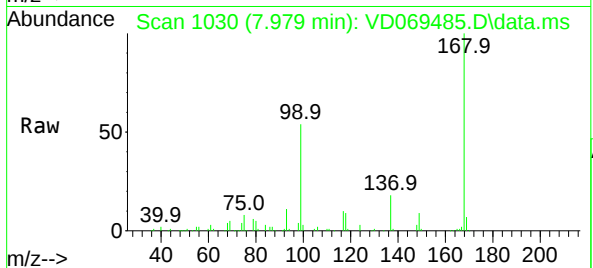
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 169637 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.7 | 83.0  | 124.6  |
| 192       | 18.4  | 15.1  | 22.7   |



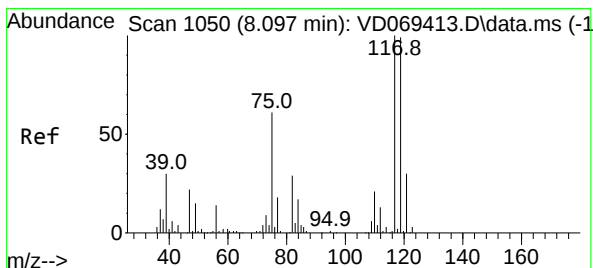
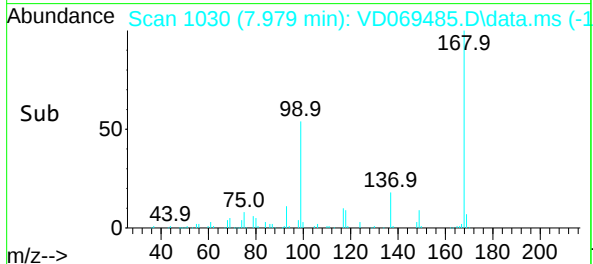
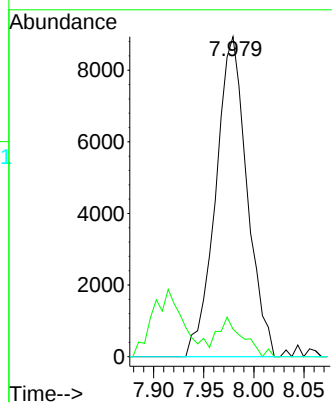


#36  
1,1-Dichloropropene  
Concen: 4.084 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.129 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

Instrument :  
MSVOA\_D  
ClientSampled :

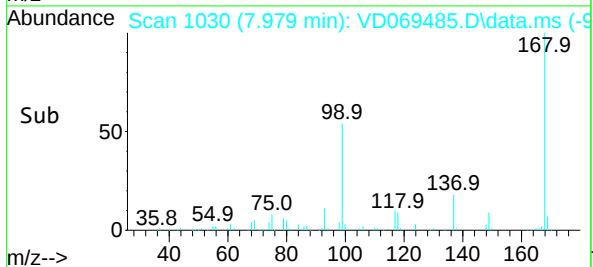
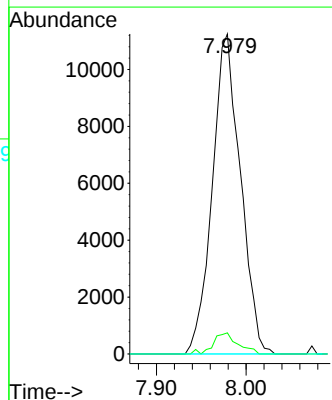
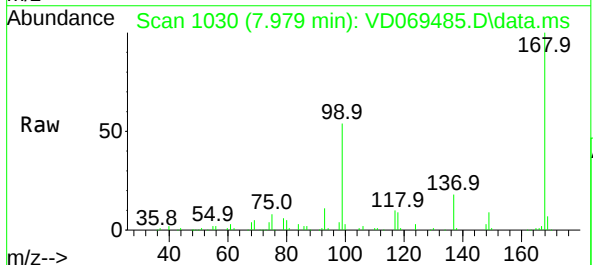


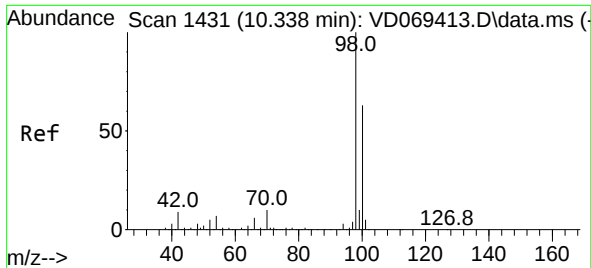
Tgt Ion: 75 Resp: 19409  
Ion Ratio Lower Upper  
75 100  
110 9.7 18.4 55.2#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 4.755 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.118 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

Tgt Ion: 117 Resp: 24481  
Ion Ratio Lower Upper  
117 100  
119 6.6 79.4 119.2#  
121 0.0 26.1 39.1#

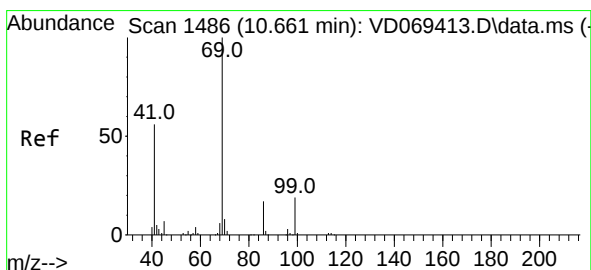
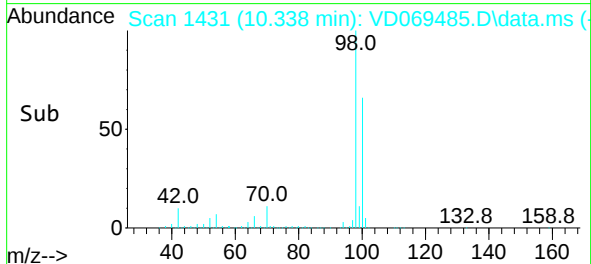
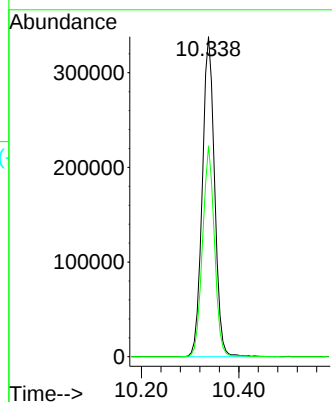
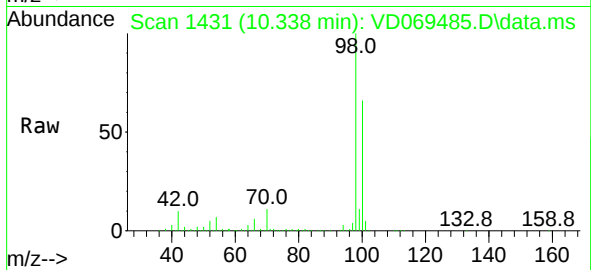




#50  
Toluene-d8  
Concen: 47.352 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

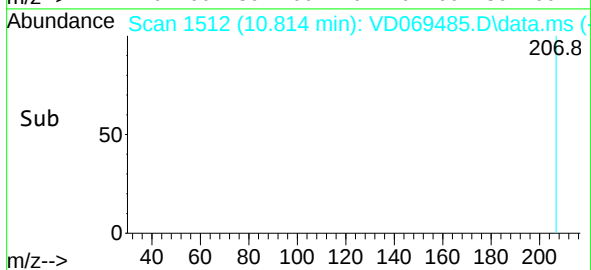
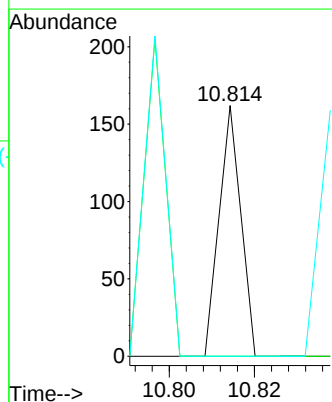
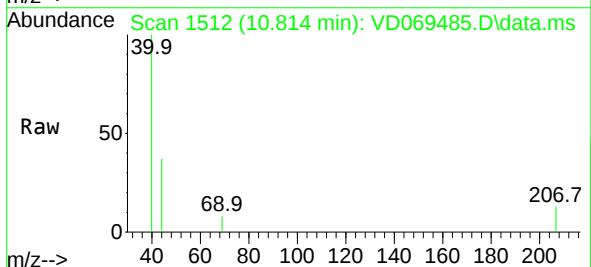
Instrument :  
MSVOA\_D  
ClientSampleId :

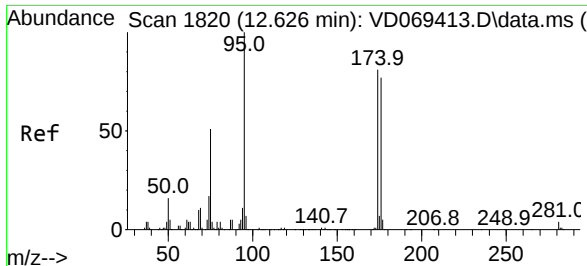
Tgt Ion: 98 Resp: 592056  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.1 78.1



#56  
Ethyl methacrylate  
Concen: 2.841 ug/l  
RT: 10.814 min Scan# 1512  
Delta R.T. 0.153 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

Tgt Ion: 69 Resp: 57  
Ion Ratio Lower Upper  
69 100  
41 0.0 45.4 68.2#  
39 0.0 21.7 32.5#

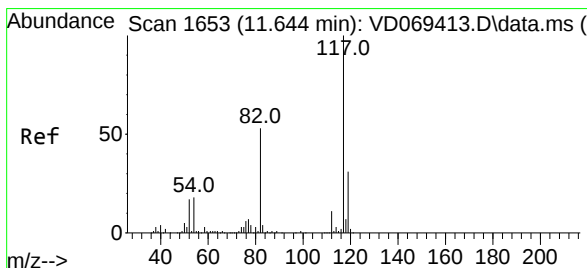
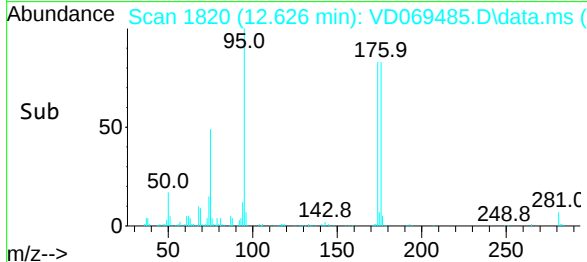
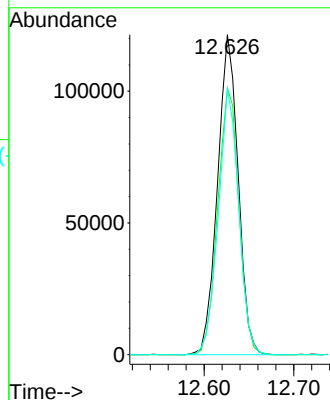
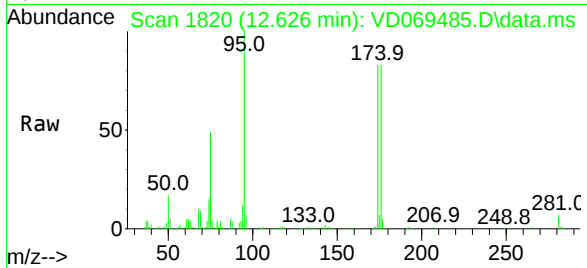




#62  
4-Bromofluorobenzene  
Concen: 48.254 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

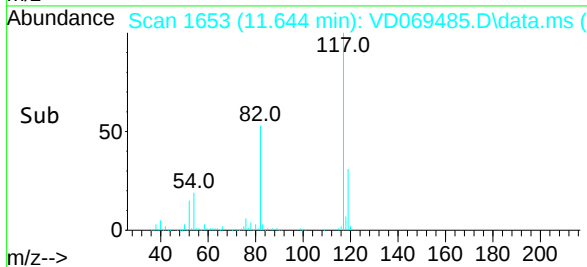
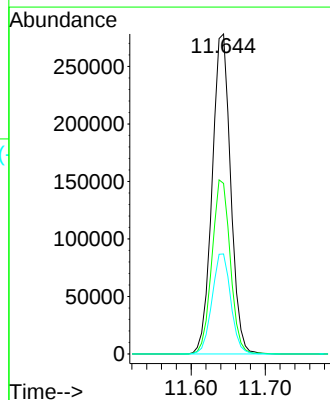
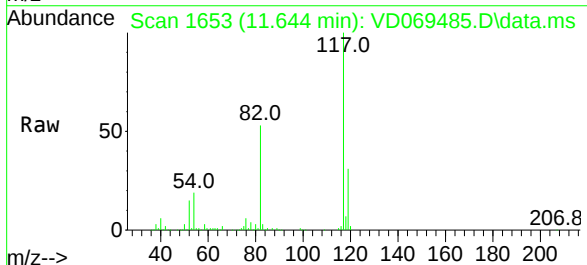
Instrument :  
MSVOA\_D  
ClientSampled :

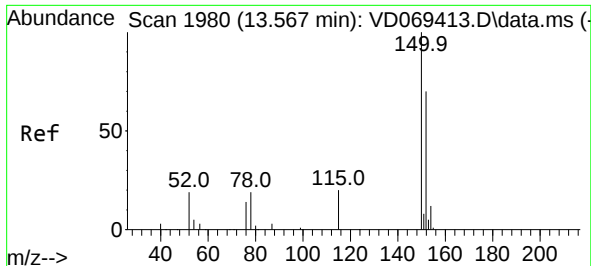
Tgt Ion: 95 Resp: 193587  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 162.8  
176 82.5 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. -0.000 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

Tgt Ion: 117 Resp: 481768  
Ion Ratio Lower Upper  
117 100  
82 53.3 43.3 64.9  
119 31.2 25.3 37.9

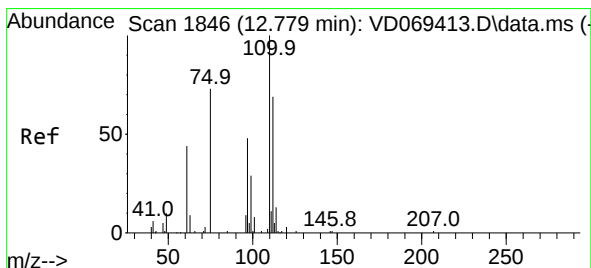
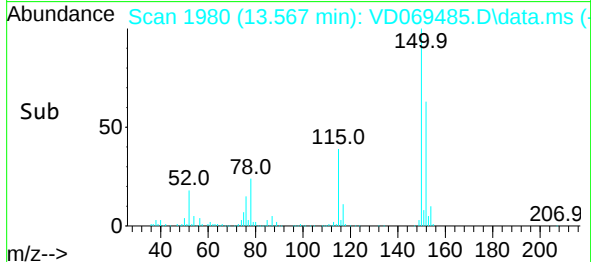
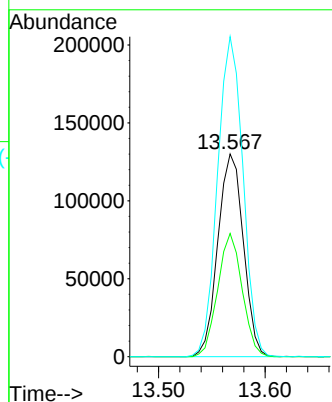
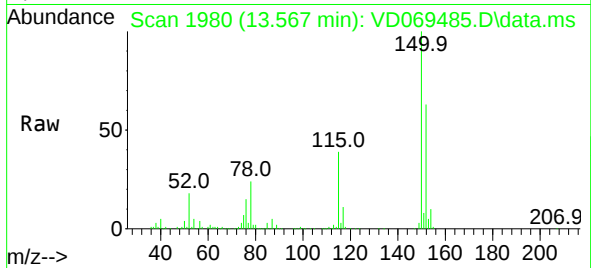




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

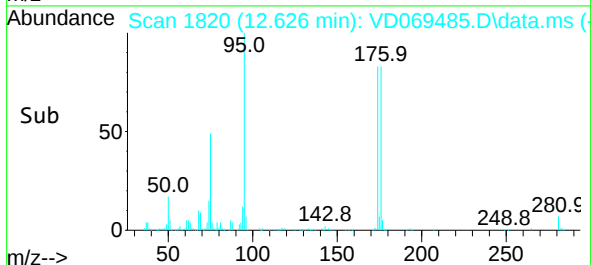
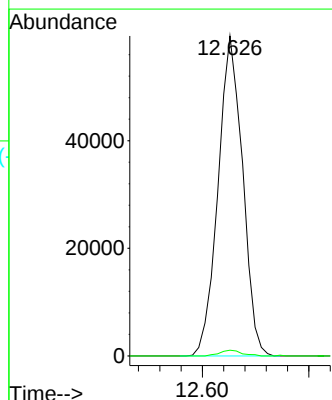
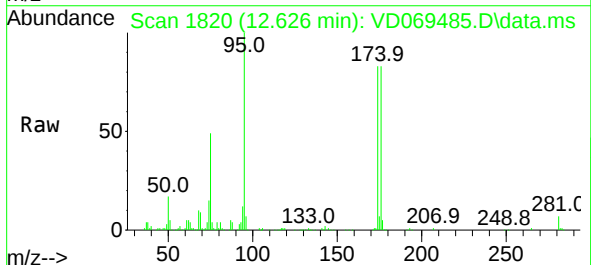
Instrument :  
MSVOA\_D  
ClientSampled :

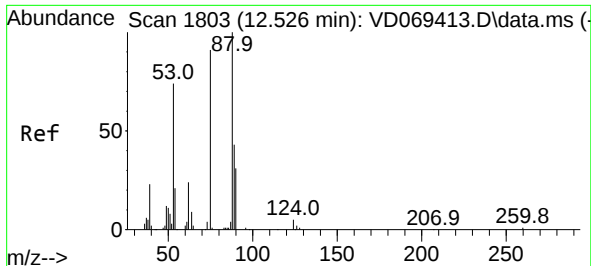
Tgt Ion:152 Resp: 216195  
Ion Ratio Lower Upper  
152 100  
115 58.2 29.4 88.3  
150 157.4 0.0 355.0



#76  
1,2,3-Trichloropropane  
Concen: 43.319 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.153 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

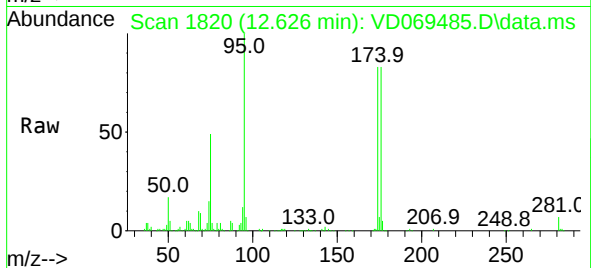
Tgt Ion: 75 Resp: 94948  
Ion Ratio Lower Upper  
75 100  
77 1.6 183.8 551.2#



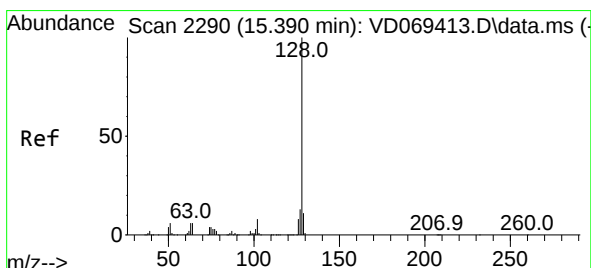
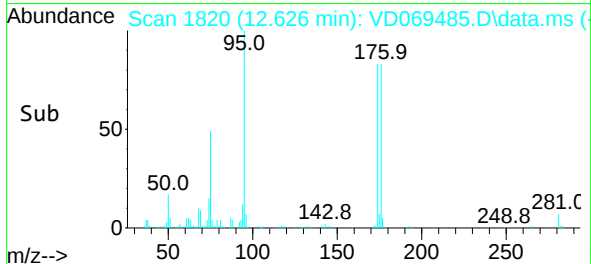
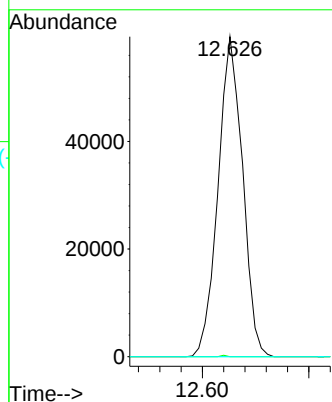


#81  
trans-1,4-Dichloro-2-butene  
Concen: 115.563 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.100 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

Instrument :  
MSVOA\_D  
ClientSampled :



Tgt Ion: 75 Resp: 94948  
Ion Ratio Lower Upper  
75 100  
53 0.1 62.6 94.0#  
89 0.0 35.6 53.4#



#95  
Naphthalene  
Concen: 3.618 ug/l  
RT: 15.390 min Scan# 2290  
Delta R.T. 0.000 min  
Lab File: VD069485.D  
Acq: 17 Jun 2021 17:44

Tgt Ion: 128 Resp: 381  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.4 15.6#  
129 0.0 8.8 13.2#

