

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092421\  
 Data File : VD070462.D  
 Acq On : 24 Sep 2021 18:41  
 Operator : VA/SY  
 Sample : M3908-03  
 Misc : 6.08G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Sep 25 03:09:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 09 03:07:09 2021  
 Response via : Initial Calibration

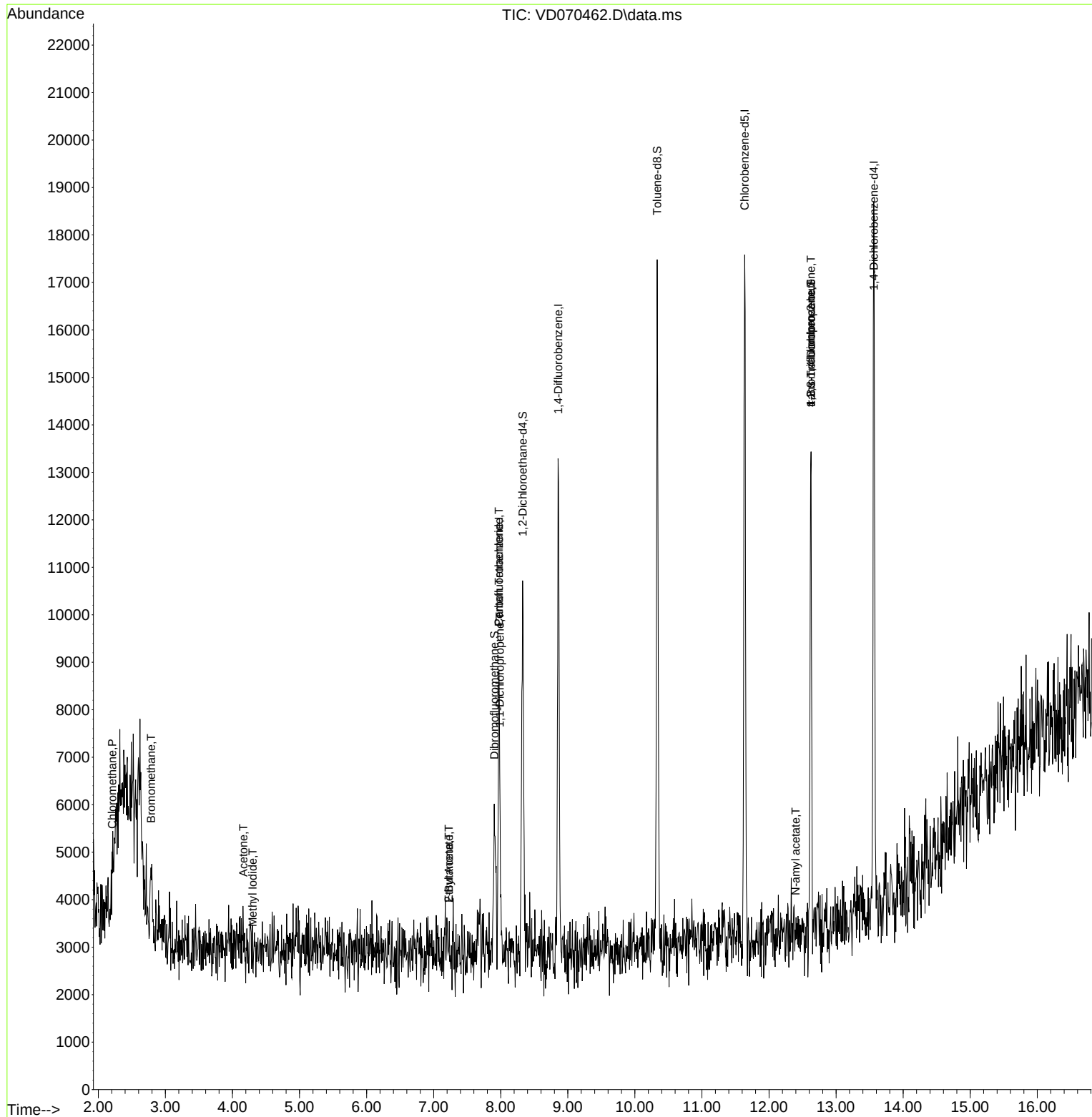
| Compound                      | R.T.           | QIon | Response   | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|-------|----------|
| -----                         |                |      |            |           |       |          |
| Internal Standards            |                |      |            |           |       |          |
| 1) Pentafluorobenzene         | 7.973          | 168  | 4478       | 50.000    | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.856          | 114  | 9118       | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 9898       | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 4312       | 50.000    | ug/l  | 0.00     |
|                               |                |      |            |           |       |          |
| System Monitoring Compounds   |                |      |            |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 6082       | 105.777   | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 211.560%  | #     |          |
| 35) Dibromofluoromethane      | 7.903          | 113  | 2278       | 35.098    | ug/l  | -0.01    |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 70.200%   |       |          |
| 50) Toluene-d8                | 10.332         | 98   | 9441       | 40.064    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 80.120%   |       |          |
| 62) 4-Bromofluorobenzene      | 12.626         | 95   | 3813       | 46.299    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 92.600%   |       |          |
|                               |                |      |            |           |       |          |
| Target Compounds              |                |      | Qvalue     |           |       |          |
| 3) Chloromethane              | 2.209          | 50   | 410        | 2.962     | ug/l  | # 42     |
| 5) Bromomethane               | 2.785          | 94   | 847        | 16.288    | ug/l  | # 65     |
| 10) Methyl Iodide             | 4.303          | 142  | 134        | 3.397     | ug/l  | # 39     |
| 16) Acetone                   | 4.162          | 43   | 89         | 8.670     | ug/l  | # 36     |
| 20) Methylene Chloride        | 4.956          | 84   | 129        | Below Cal | #     | 22       |
| 25) 2-Butanone                | 7.226          | 43   | 112        | 8.196     | ug/l  | # 47     |
| 36) 1,1-Dichloropropene       | 7.985          | 75   | 525        | 5.387     | ug/l  | # 41     |
| 37) Ethyl Acetate             | 7.226          | 43   | 112        | 3.073     | ug/l  | # 65     |
| 38) Carbon Tetrachloride      | 7.973          | 117  | 274        | 2.843     | ug/l  | # 12     |
| 74) N-amyl acetate            | 12.397         | 43   | 69         | 1.047     | ug/l  | # 37     |
| 76) 1,2,3-Trichloropropane    | 12.626         | 75   | 1789       | 41.017    | ug/l  | # 1      |
| 81) trans-1,4-Dichloro-2-b... | 12.626         | 75   | 1789       | 102.771   | ug/l  | # 17     |
| -----                         |                |      |            |           |       |          |

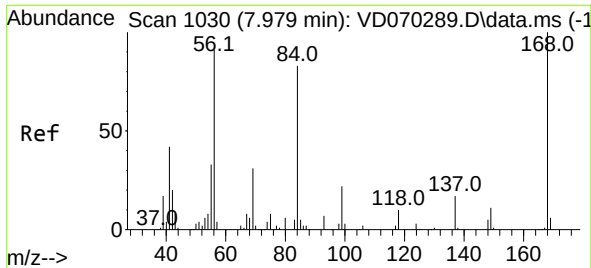
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092421\  
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Sample : M3908-03  
Misc : 6.08G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Sep 25 03:09:53 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 09 03:07:09 2021  
Response via : Initial Calibration

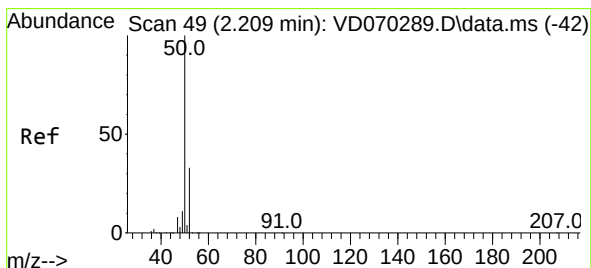
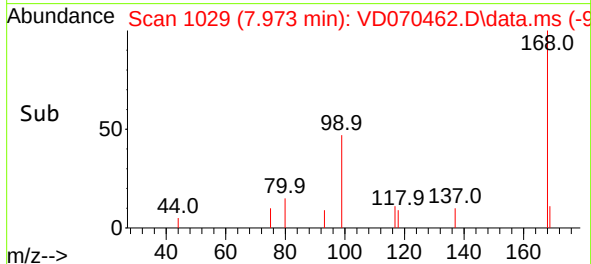
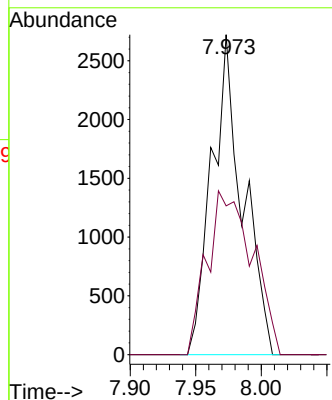
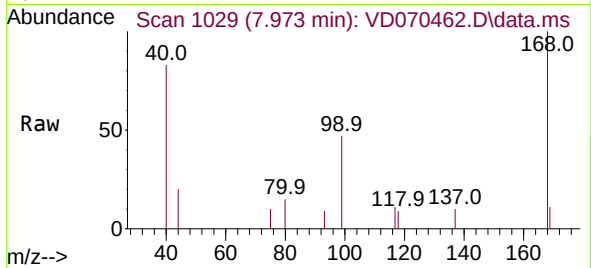




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

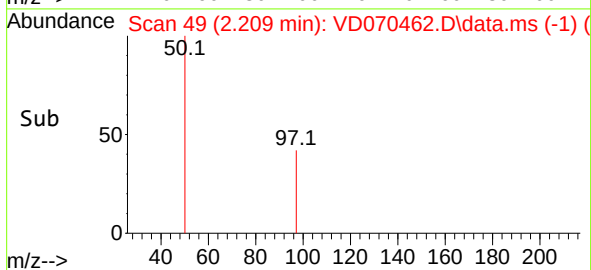
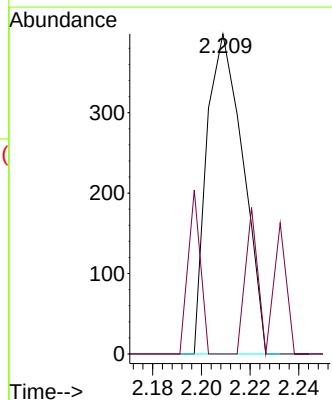
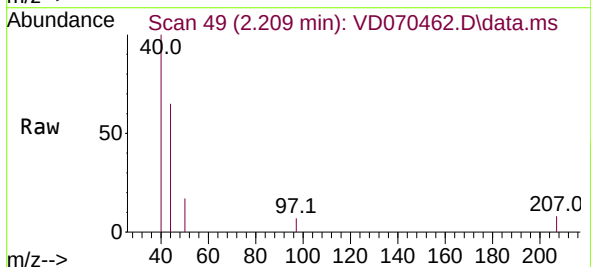
Instrument :  
MSVOA\_D  
ClientSampled :

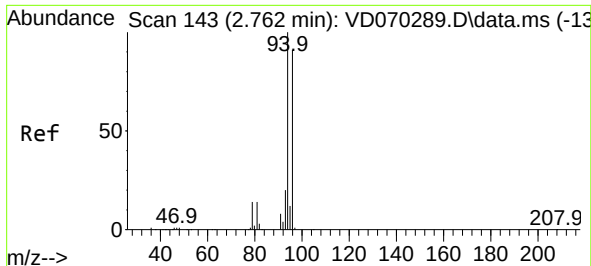
Tgt Ion:168 Resp: 4478  
Ion Ratio Lower Upper  
168 100  
99 46.5 50.8 76.2#



#3  
Chloromethane  
Concen: 2.962 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

Tgt Ion: 50 Resp: 410  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.2 39.2#

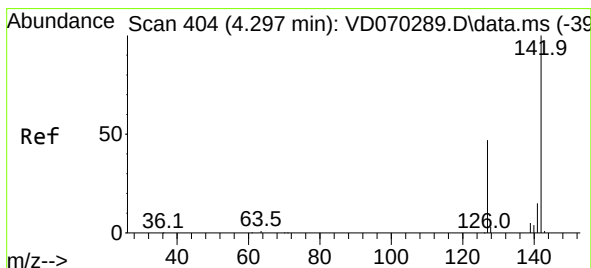
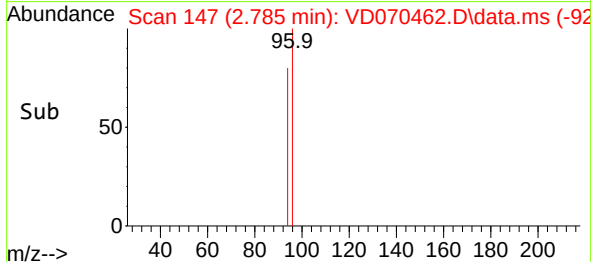
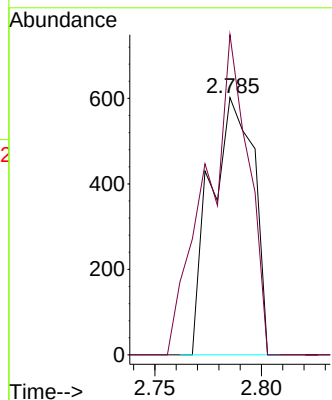
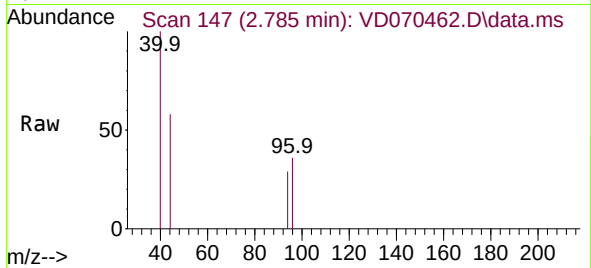




#5  
Bromomethane  
Concen: 16.288 ug/l  
RT: 2.785 min Scan# 147  
Delta R.T. 0.023 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

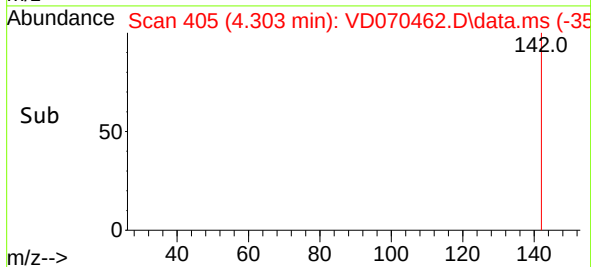
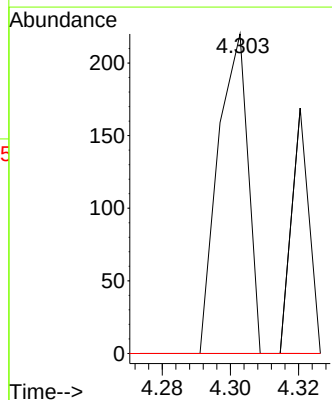
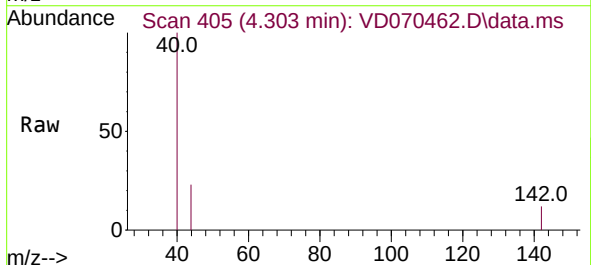
Instrument :  
MSVOA\_D  
ClientSampled :

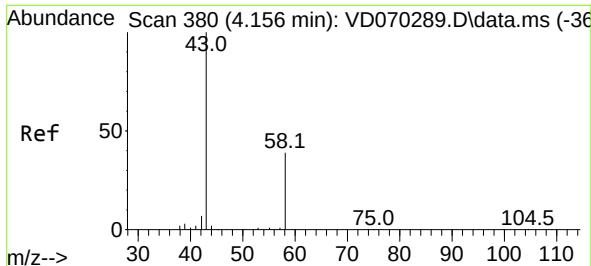
Tgt Ion: 94 Resp: 847  
Ion Ratio Lower Upper  
94 100  
96 124.4 73.0 109.6#



#10  
Methyl Iodide  
Concen: 3.397 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. 0.006 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

Tgt Ion:142 Resp: 134  
Ion Ratio Lower Upper  
142 100  
127 0.0 36.9 55.3#  
141 0.0 11.8 17.6#

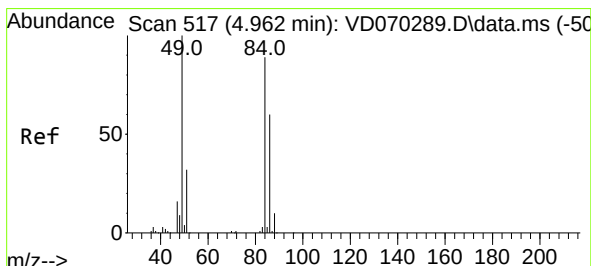
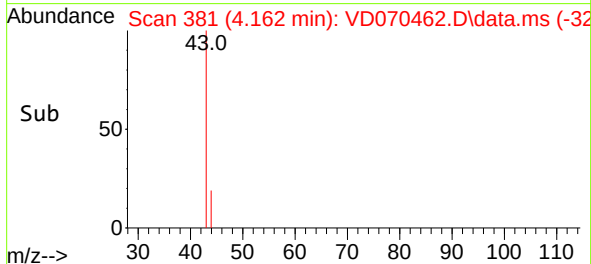
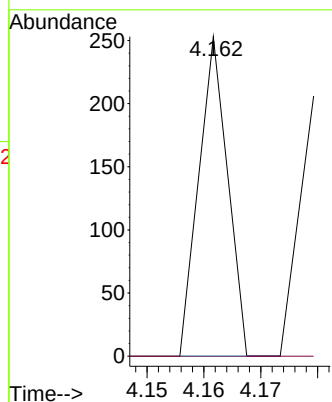
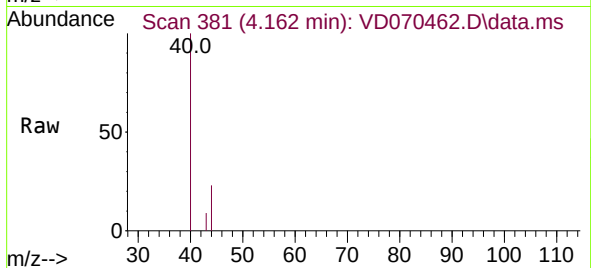




#16  
Acetone  
Concen: 8.670 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

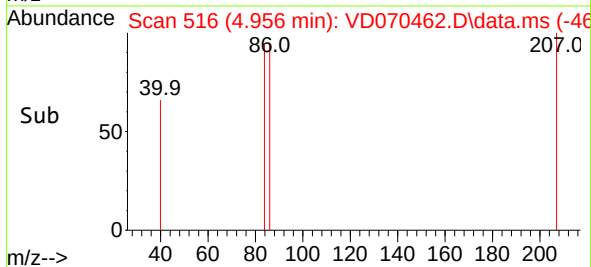
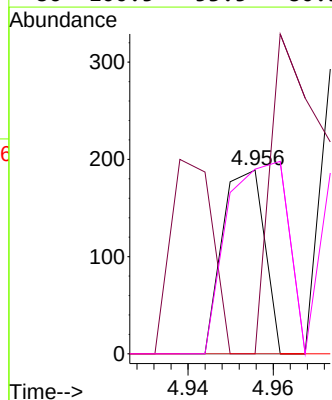
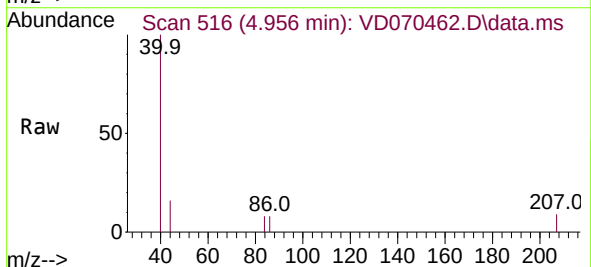
Instrument :  
MSVOA\_D  
ClientSampled :

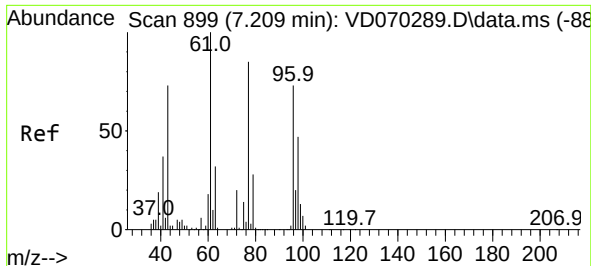
Tgt Ion: 43 Resp: 89  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.9 46.3#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.956 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

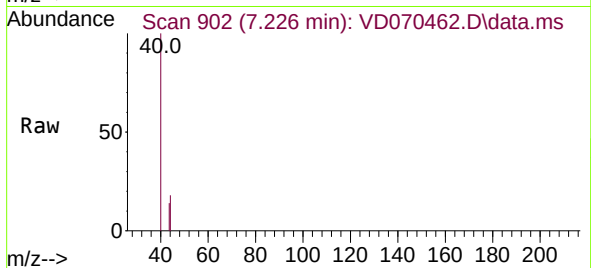
Tgt Ion: 84 Resp: 129  
Ion Ratio Lower Upper  
84 100  
49 0.0 89.6 134.4#  
51 0.0 28.6 43.0#  
86 100.5 53.5 80.3#



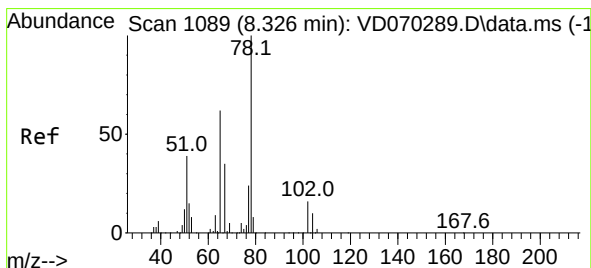
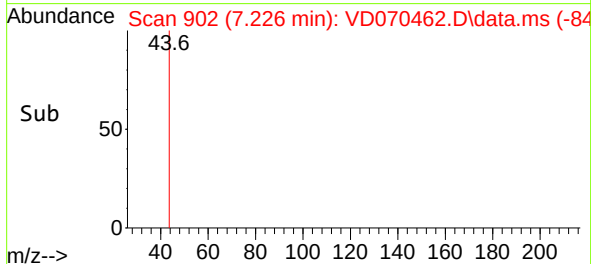
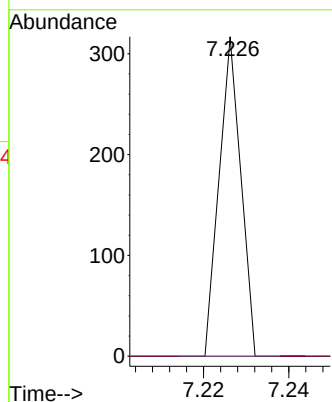


#25  
2-Butanone  
Concen: 8.196 ug/l  
RT: 7.226 min Scan# 902  
Delta R.T. 0.018 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

Instrument :  
MSVOA\_D  
ClientSampled :

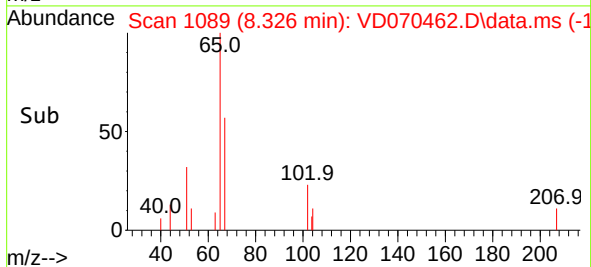
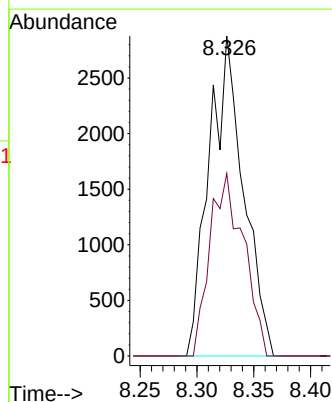
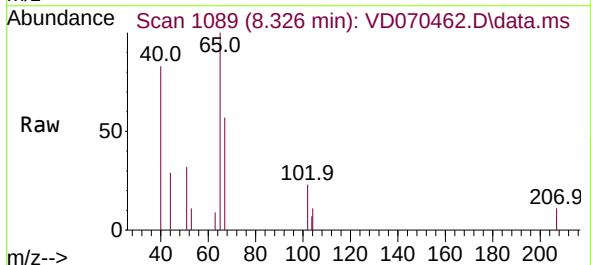


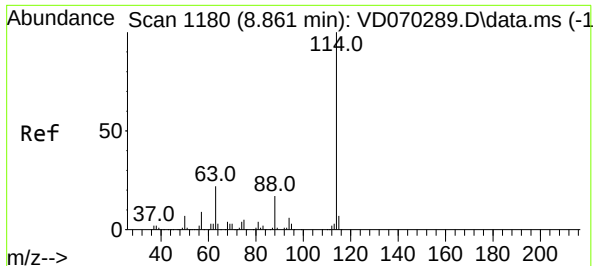
Tgt Ion: 43 Resp: 112  
Ion Ratio Lower Upper  
43 100  
72 0.0 22.2 33.4#



#33  
1,2-Dichloroethane-d4  
Concen: 105.777 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

Tgt Ion: 65 Resp: 6082  
Ion Ratio Lower Upper  
65 100  
67 55.6 0.0 111.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

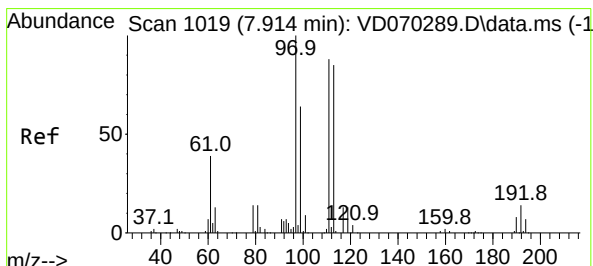
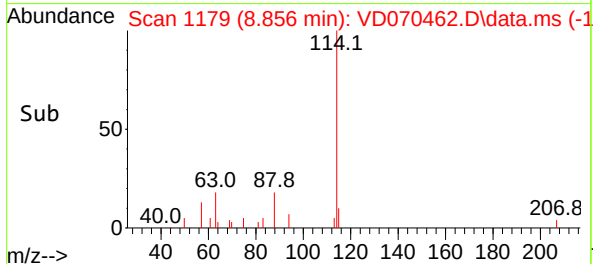
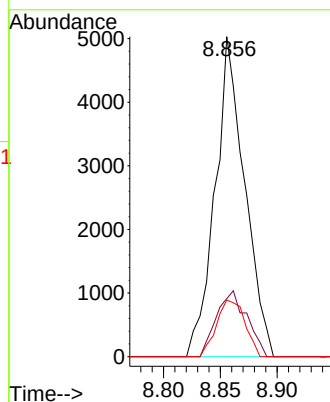
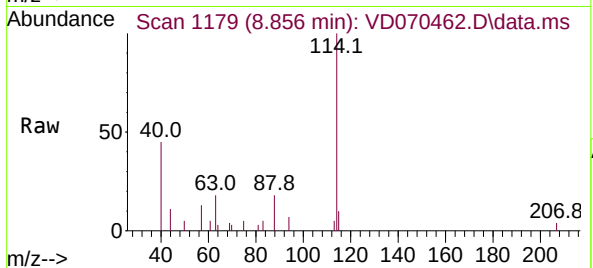
Delta R.T. -0.006 min

Lab File: VD070462.D

Acq: 24 Sep 2021 18:41

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 114   | Resp: | 9118 |
| Ion Ratio | Lower | Upper |      |
| 114       | 100   |       |      |
| 63        | 18.2  | 0.0   | 43.4 |
| 88        | 17.7  | 0.0   | 33.4 |

Instrument :  
MSVOA\_D  
ClientSampleId :



#35

Dibromofluoromethane

Concen: 35.098 ug/l

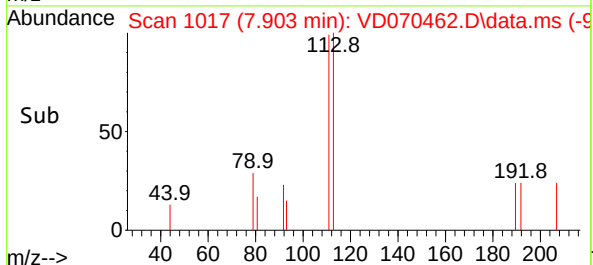
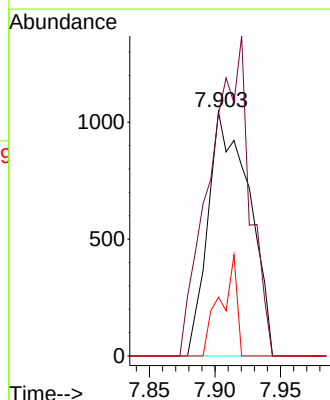
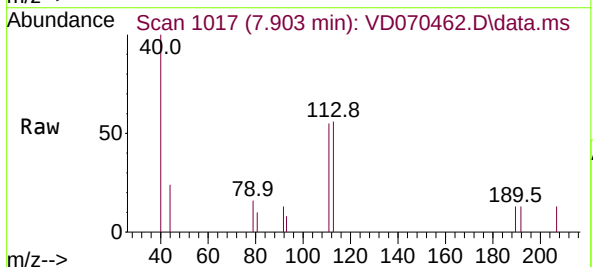
RT: 7.903 min Scan# 1017

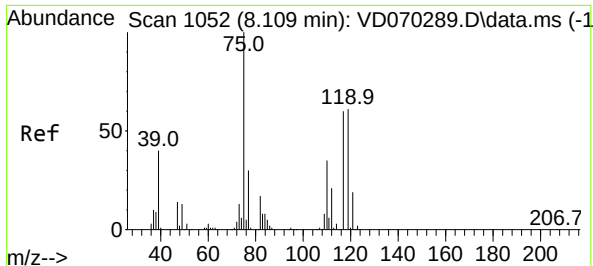
Delta R.T. -0.012 min

Lab File: VD070462.D

Acq: 24 Sep 2021 18:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 2278   |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 126.2 | 81.4  | 122.2# |
| 192       | 16.6  | 13.0  | 19.6   |

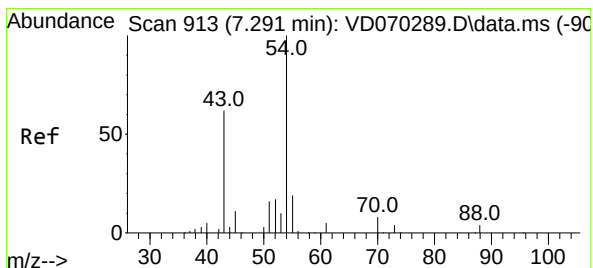
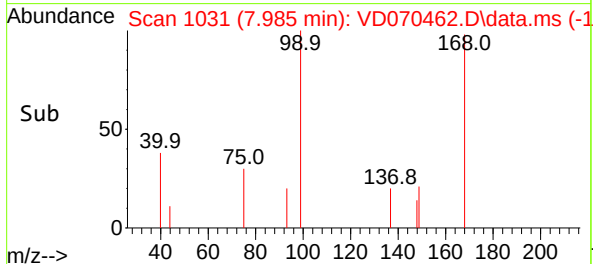
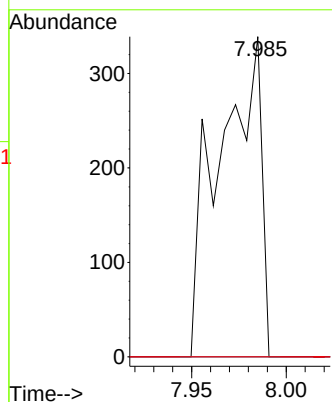
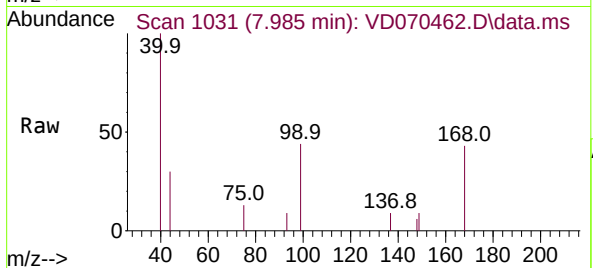




#36  
1,1-Dichloropropene  
Concen: 5.387 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.124 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

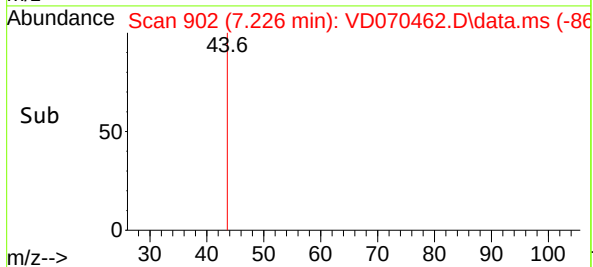
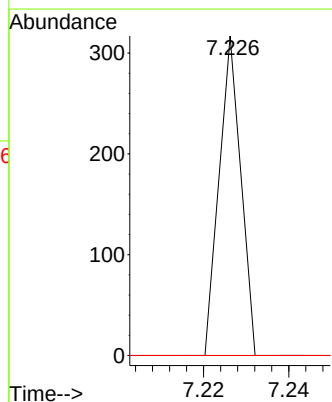
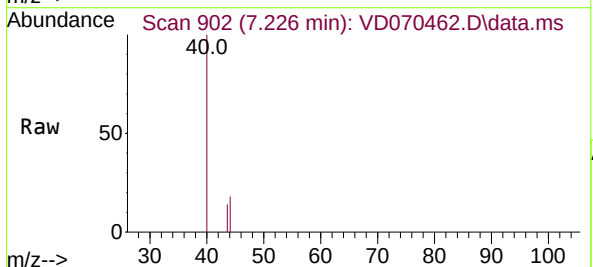
Instrument :  
MSVOA\_D  
ClientSampled :

Tgt Ion: 75 Resp: 525  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.9 53.7#  
77 0.0 25.3 37.9#

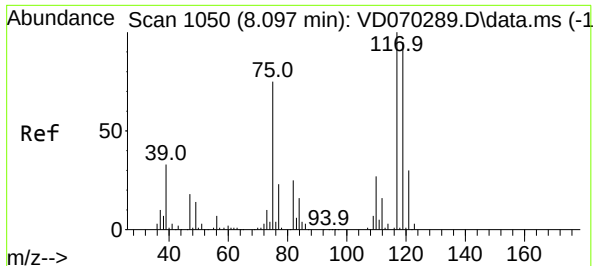


#37  
Ethyl Acetate  
Concen: 3.073 ug/l  
RT: 7.226 min Scan# 902  
Delta R.T. -0.065 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

Tgt Ion: 43 Resp: 112  
Ion Ratio Lower Upper  
43 100  
61 0.0 13.0 19.6#  
70 0.0 9.8 14.6#

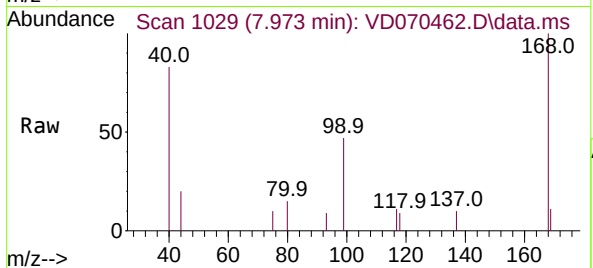




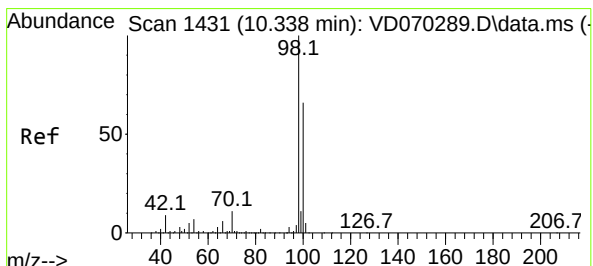
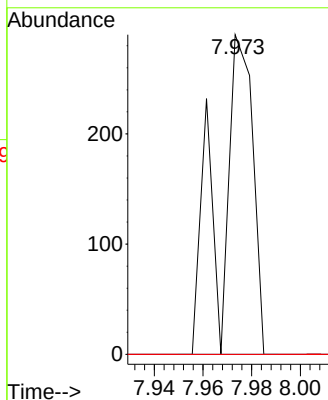
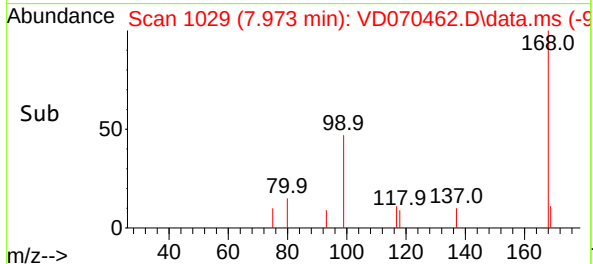


#38  
Carbon Tetrachloride  
Concen: 2.843 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.124 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

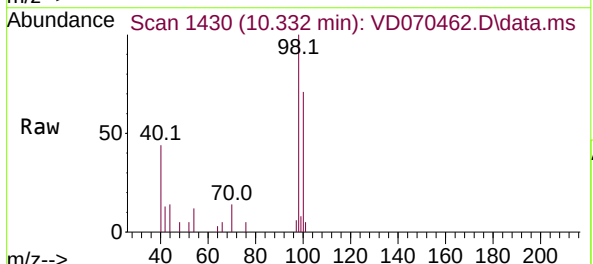
Instrument :  
MSVOA\_D  
ClientSampleId :



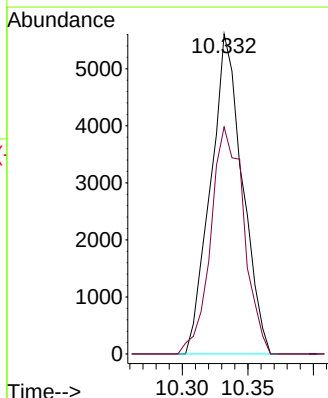
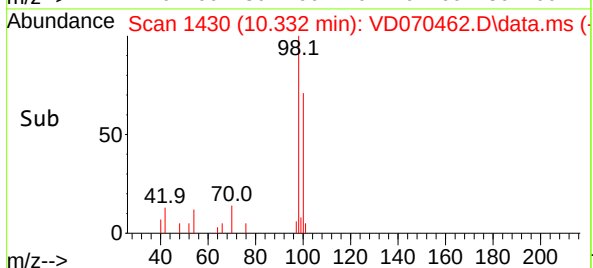
Tgt Ion:117 Resp: 274  
Ion Ratio Lower Upper  
117 100  
119 0.0 76.1 114.1#  
121 0.0 23.8 35.6#

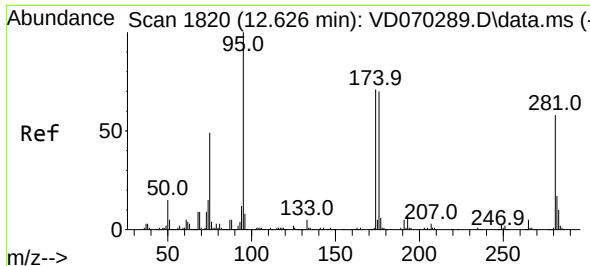


#50  
Toluene-d8  
Concen: 40.064 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41



Tgt Ion: 98 Resp: 9441  
Ion Ratio Lower Upper  
98 100  
100 73.8 52.0 78.0

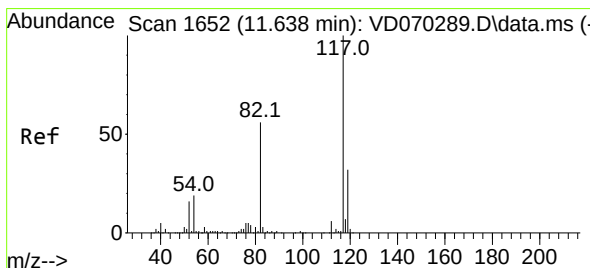
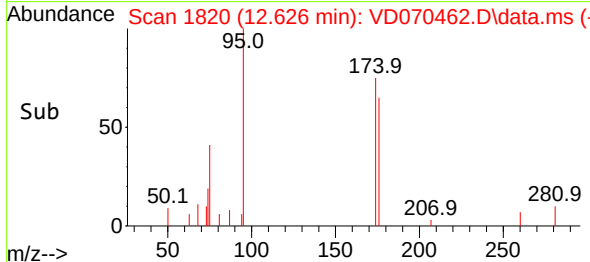
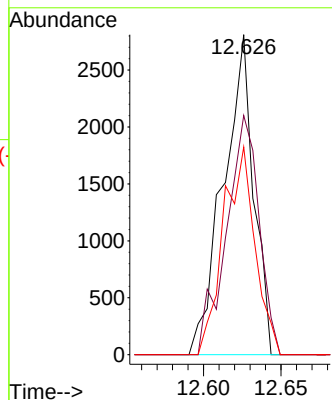
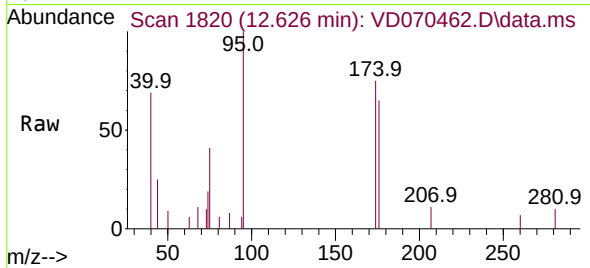




#62  
4-Bromofluorobenzene  
Concen: 46.299 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

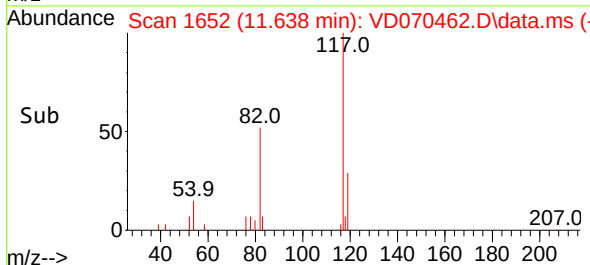
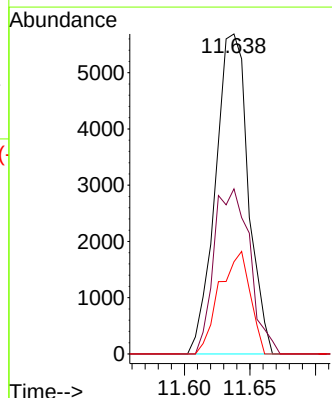
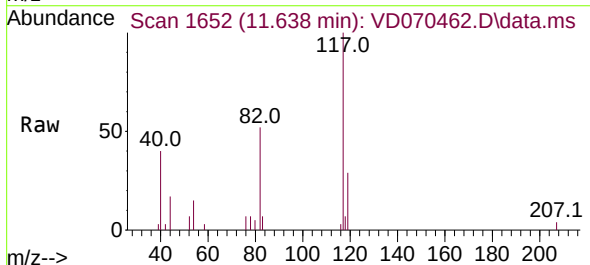
Instrument :  
MSVOA\_D  
ClientSampleId :

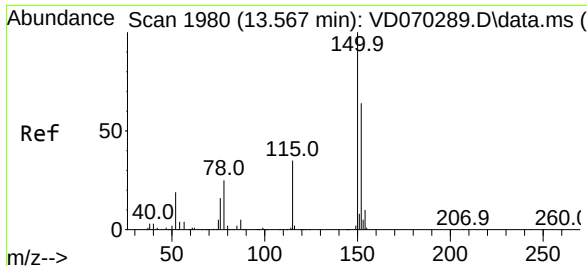
Tgt Ion: 95 Resp: 3813  
Ion Ratio Lower Upper  
95 100  
174 80.5 0.0 140.6  
176 67.8 0.0 137.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

Tgt Ion: 117 Resp: 9898  
Ion Ratio Lower Upper  
117 100  
82 51.6 45.0 67.4  
119 28.8 25.2 37.8

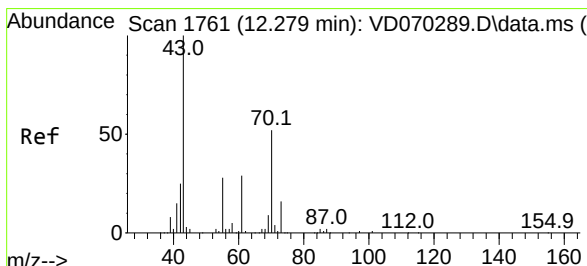
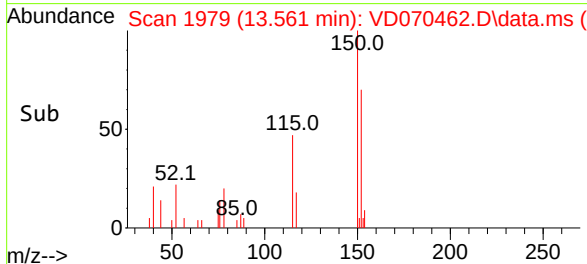
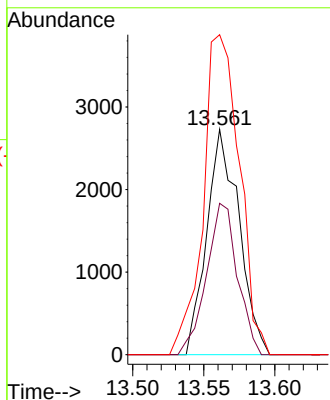
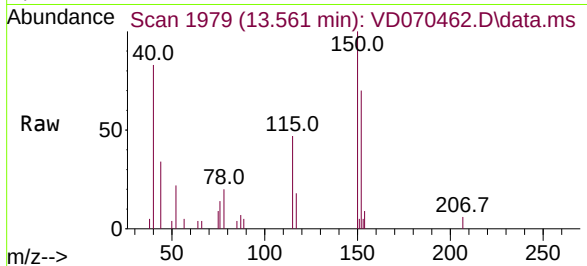




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

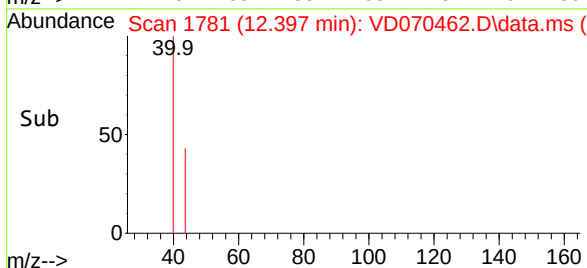
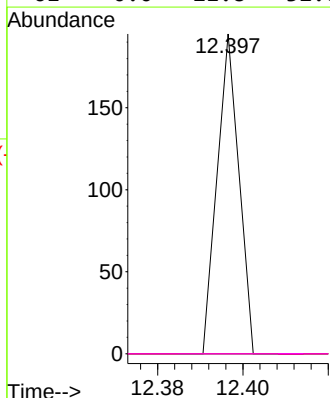
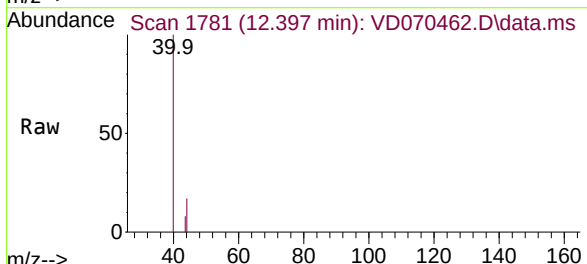
Instrument :  
MSVOA\_D  
ClientSampleId :

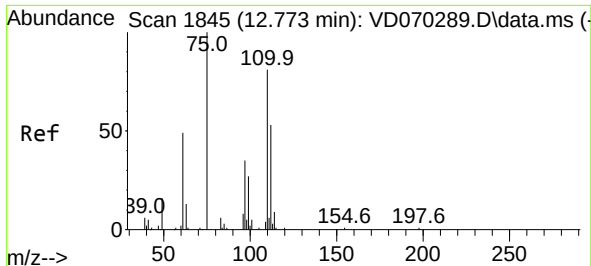
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 4312  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 64.6  | 32.1  | 96.3  |
| 150      | 159.5 | 0.0   | 350.6 |



#74  
N-ethyl acetate  
Concen: 1.047 ug/l  
RT: 12.397 min Scan# 1781  
Delta R.T. 0.118 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 69    |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 0.0   | 41.4  | 62.0# |
| 55       | 0.0   | 22.8  | 34.2# |
| 61       | 0.0   | 21.8  | 32.6# |

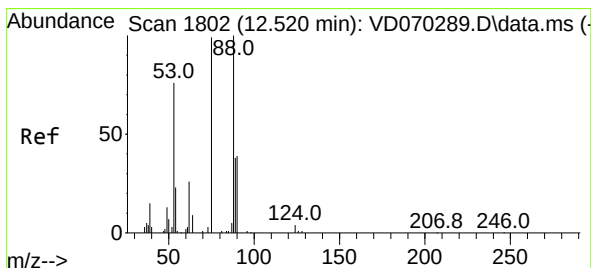
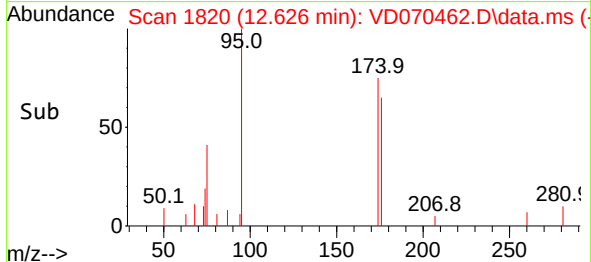
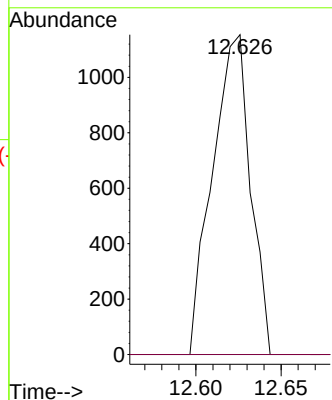
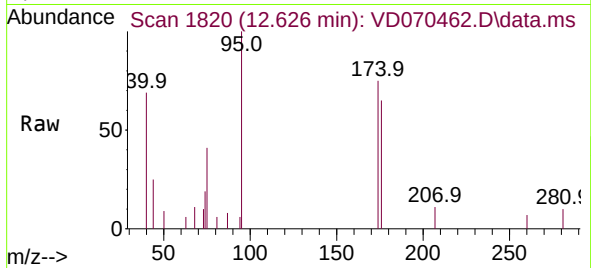




#76  
1,2,3-Trichloropropane  
Concen: 41.017 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 1789  
Ion Ratio Lower Upper  
75 100  
77 0.0 174.9 524.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 102.771 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD070462.D  
Acq: 24 Sep 2021 18:41

Tgt Ion: 75 Resp: 1789  
Ion Ratio Lower Upper  
75 100  
53 0.0 64.2 96.2#  
89 0.0 35.6 53.4#

