

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102821\  
 Data File : VD070891.D  
 Acq On : 28 Oct 2021 14:30  
 Operator : VA/SY  
 Sample : M4375-01RE  
 Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-6(1.0-1.5)RE

Quant Time: Oct 29 05:23:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D102621S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 27 05:34:47 2021  
 Response via : Initial Calibration

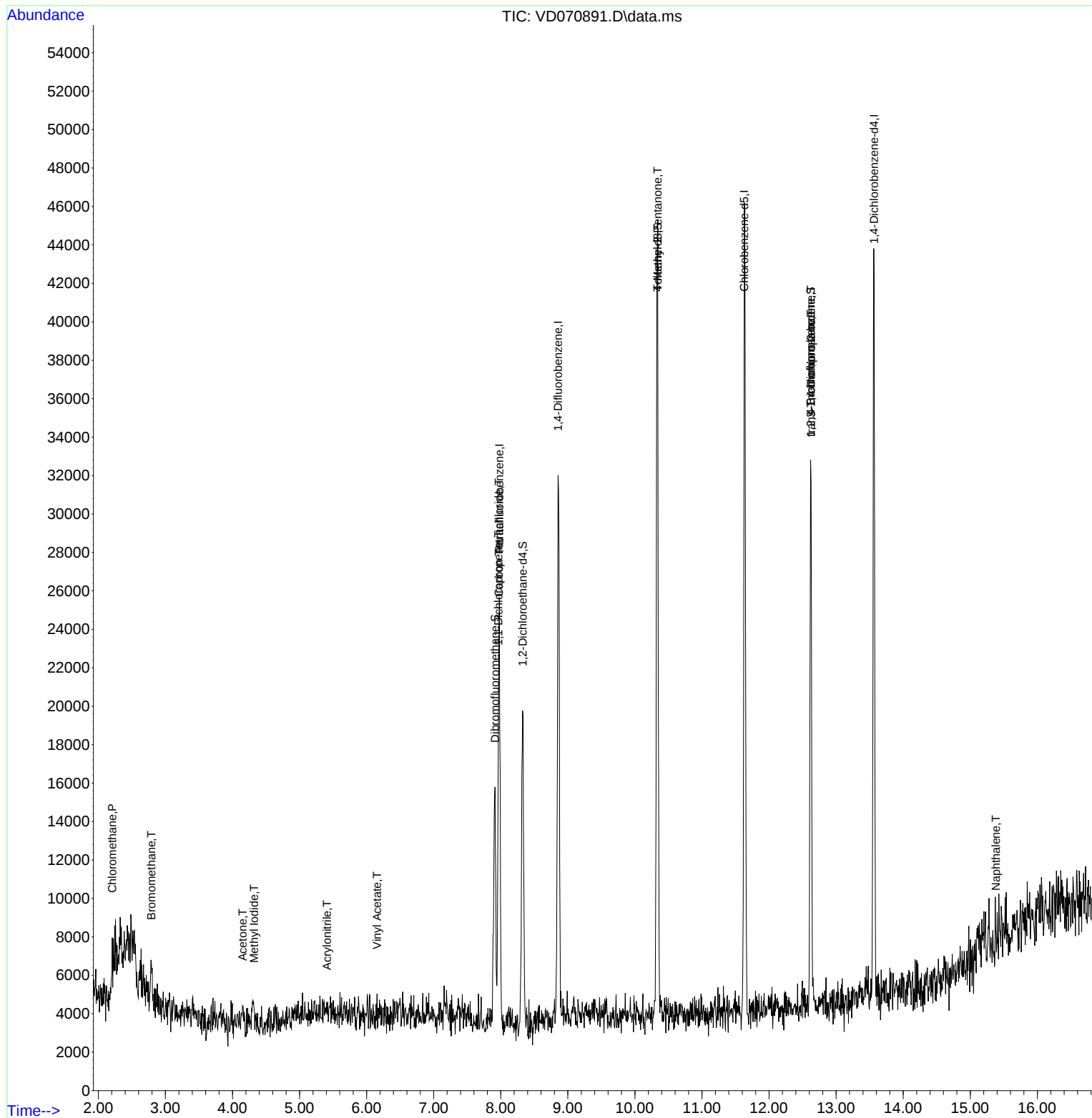
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.979  | 168   | 16900    | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.855  | 114   | 24993    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.632 | 117   | 25117    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152   | 10857    | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 12130    | 71.365    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 142.720% |          |
| 35) Dibromofluoromethane      | 7.914  | 113   | 8768     | 53.207    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 106.420% |          |
| 50) Toluene-d8                | 10.338 | 98    | 31048    | 50.080    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 100.160% |          |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 10266    | 50.187    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 100.380% |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 2.209  | 50    | 608      | 2.741     | ug/l       | # 85     |
| 5) Bromomethane               | 2.791  | 94    | 1808     | 8.411     | ug/l       | # 67     |
| 10) Methyl Iodide             | 4.320  | 142   | 1039     | 8.318     | ug/l       | # 64     |
| 15) Acrylonitrile             | 5.408  | 53    | 129      | 3.216     | ug/l       | # 23     |
| 16) Acetone                   | 4.150  | 43    | 124      | 3.136     | ug/l       | # 40     |
| 20) Methylene Chloride        | 4.956  | 84    | 137      | Below Cal | #          | 24       |
| 23) Vinyl Acetate             | 6.156  | 43    | 61       | 14.620    | ug/l       | # 72     |
| 36) 1,1-Dichloropropene       | 7.967  | 75    | 1364     | 5.216     | ug/l       | # 46     |
| 38) Carbon Tetrachloride      | 7.973  | 117   | 1512     | 5.750     | ug/l       | # 12     |
| 51) 4-Methyl-2-Pentanone      | 10.338 | 43    | 145      | 1.530     | ug/l       | # 25     |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75    | 4906     | 45.903    | ug/l       | # 1      |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75    | 4906     | 120.479   | ug/l       | # 18     |
| 95) Naphthalene               | 15.384 | 128   | 228      | 4.738     | ug/l       | # 69     |
| -----                         |        |       |          |           |            |          |

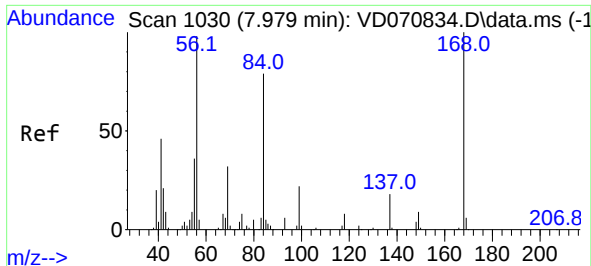
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102821\  
Data File : VD070891.D  
Acq On : 28 Oct 2021 14:30  
Operator : VA/SY  
Sample : M4375-01RE  
Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6(1.0-1.5)RE

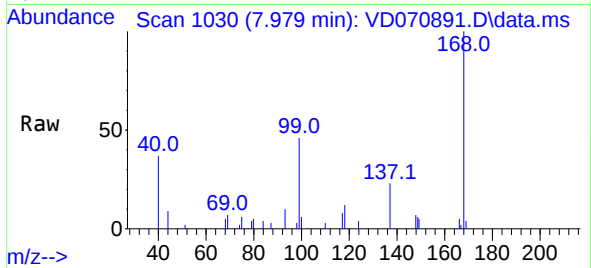
Quant Time: Oct 29 05:23:35 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D102621S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 27 05:34:47 2021  
Response via : Initial Calibration



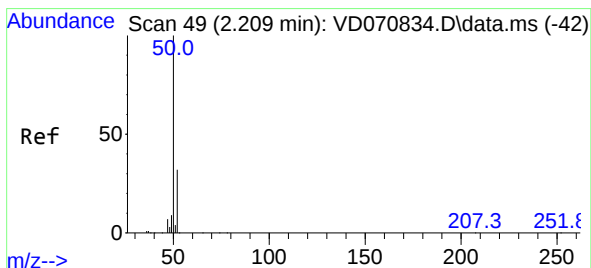
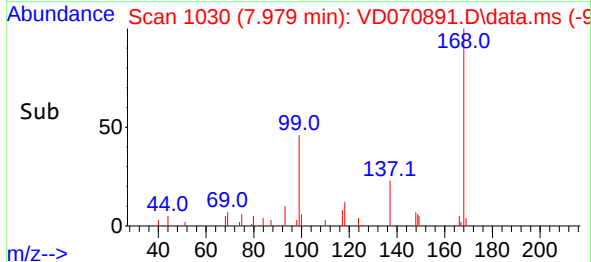
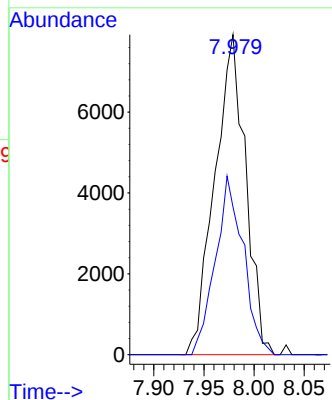


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6(1.0-1.5)RE

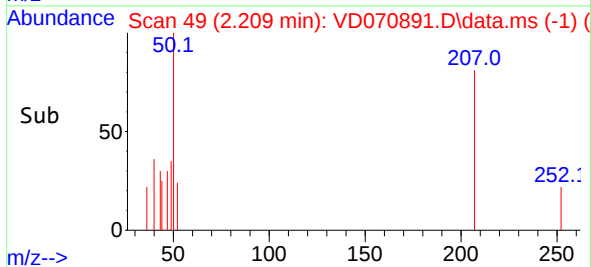
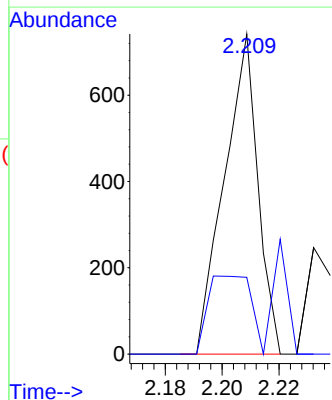
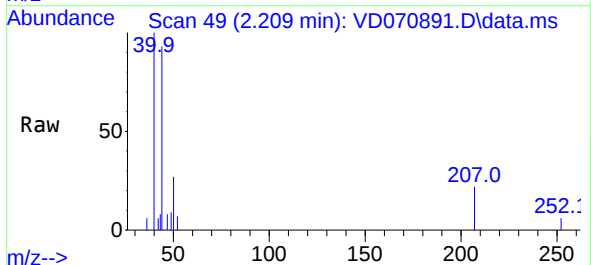


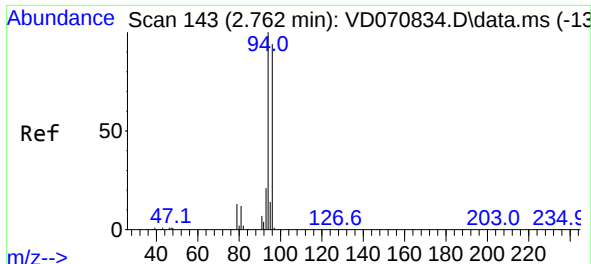
Tgt Ion:168 Resp: 16900  
Ion Ratio Lower Upper  
168 100  
99 46.1 46.6 69.8#



#3  
Chloromethane  
Concen: 2.741 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

Tgt Ion: 50 Resp: 608  
Ion Ratio Lower Upper  
50 100  
52 24.0 25.8 38.8#

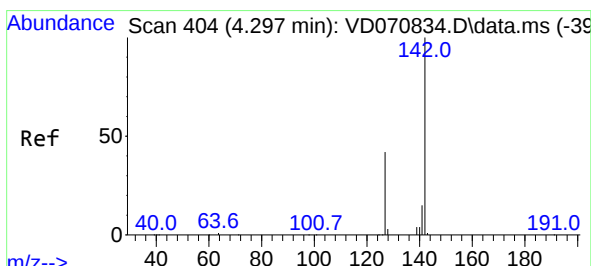
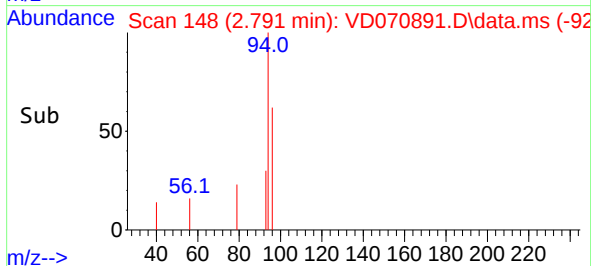
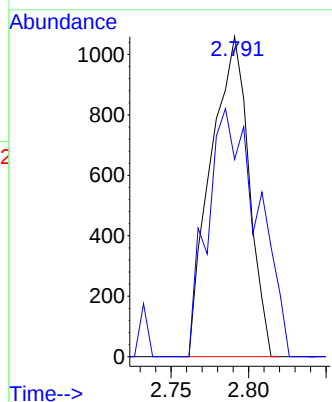
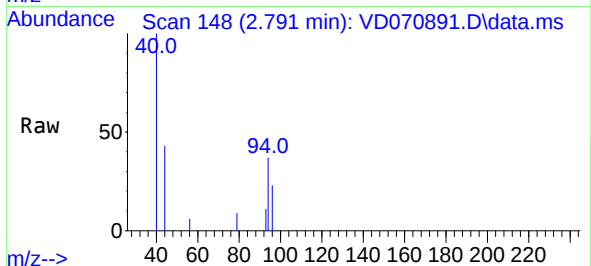




#5  
Bromomethane  
Concen: 8.411 ug/l  
RT: 2.791 min Scan# 148  
Delta R.T. 0.029 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

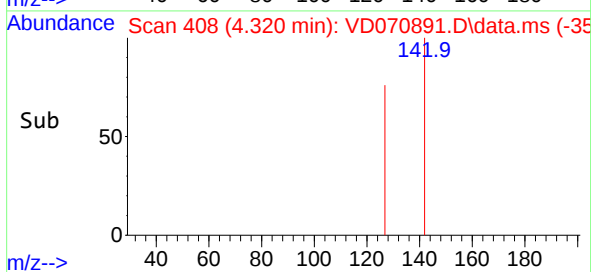
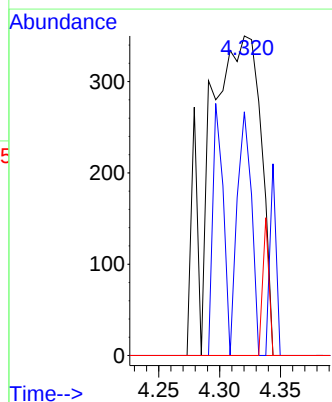
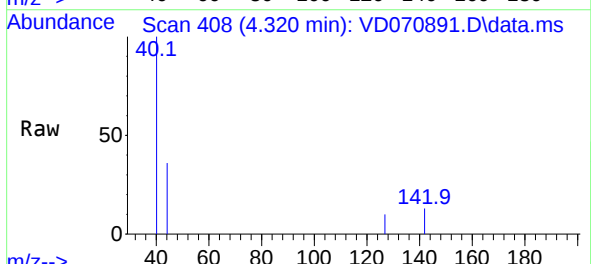
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6(1.0-1.5)RE

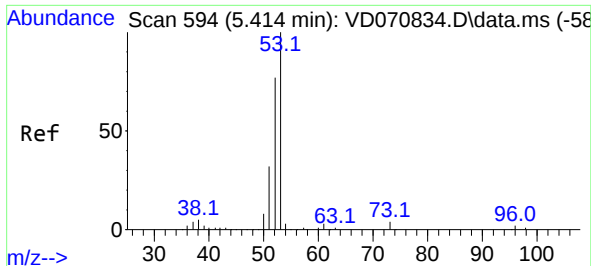
Tgt Ion: 94 Resp: 1808  
Ion Ratio Lower Upper  
94 100  
96 61.7 74.8 112.2#



#10  
Methyl Iodide  
Concen: 8.318 ug/l  
RT: 4.320 min Scan# 408  
Delta R.T. 0.023 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

Tgt Ion: 142 Resp: 1039  
Ion Ratio Lower Upper  
142 100  
127 20.9 35.0 52.4#  
141 0.0 12.0 18.0#

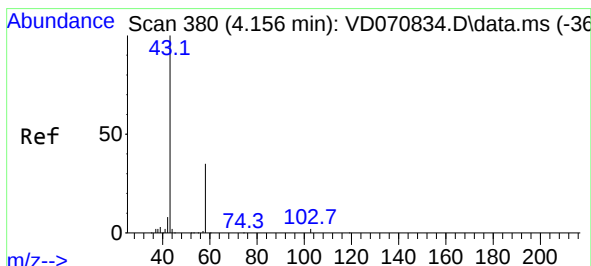
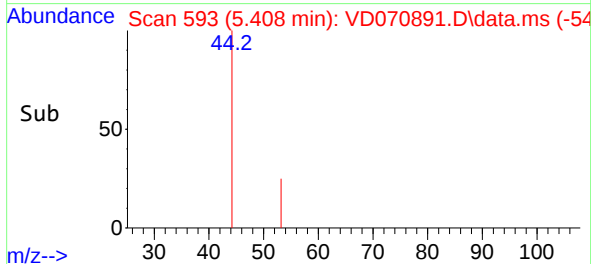
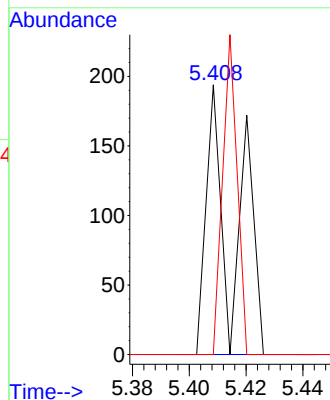
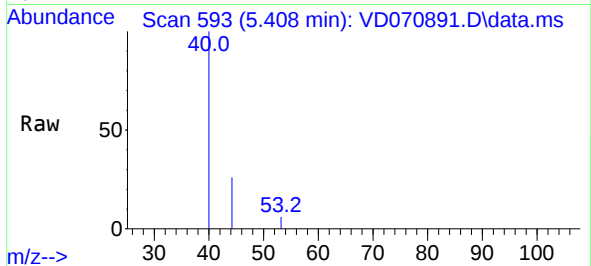




#15  
Acrylonitrile  
Concen: 3.216 ug/l  
RT: 5.408 min Scan# 593  
Delta R.T. -0.006 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

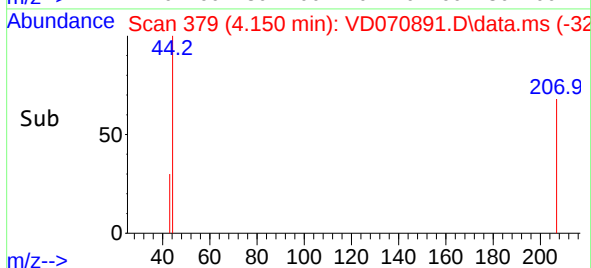
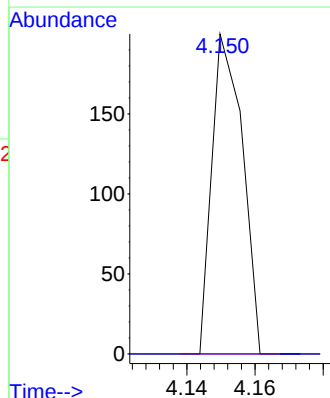
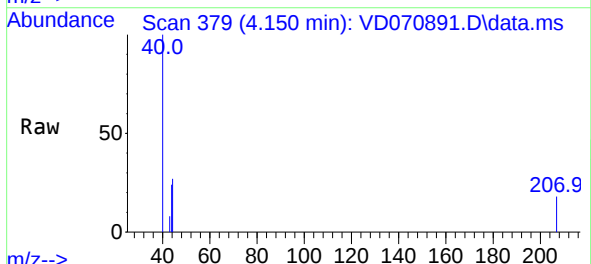
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6(1.0-1.5)RE

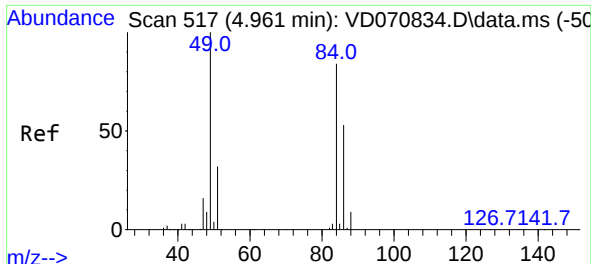
Tgt Ion: 53 Resp: 129  
Ion Ratio Lower Upper  
53 100  
52 0.0 63.8 95.8#  
51 62.8 28.5 42.7#



#16  
Acetone  
Concen: 3.136 ug/l  
RT: 4.150 min Scan# 379  
Delta R.T. -0.006 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

Tgt Ion: 43 Resp: 124  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.8 41.8#

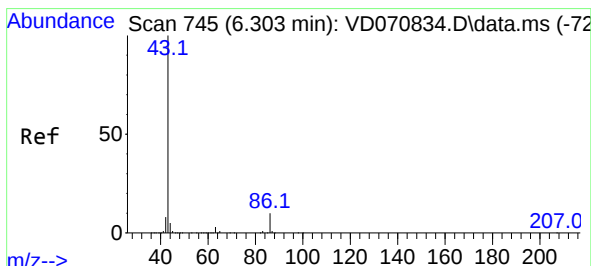
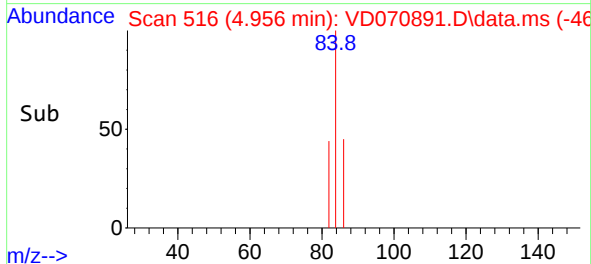
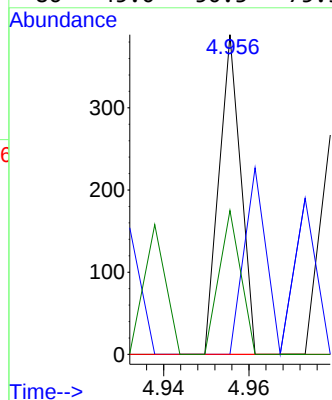
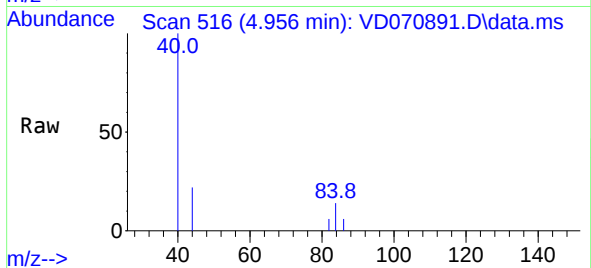




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.956 min Scan# 516  
Delta R.T. -0.005 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

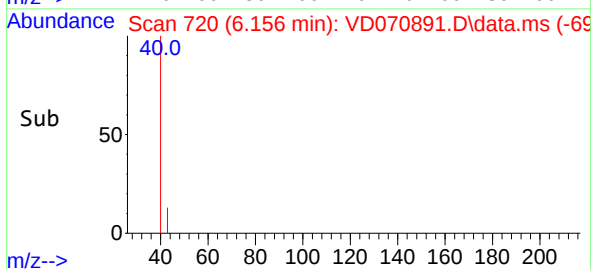
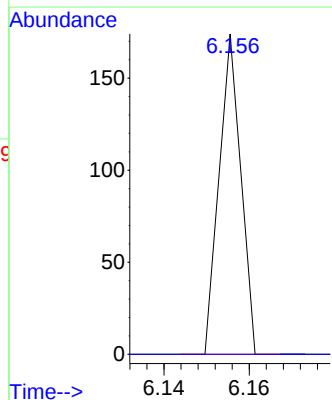
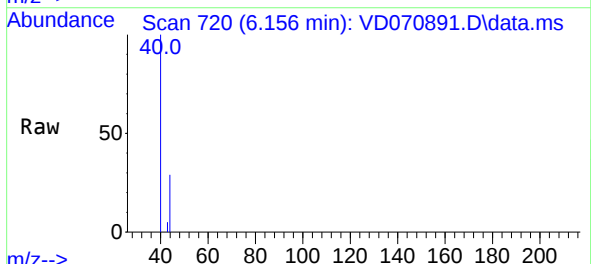
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6(1.0-1.5)RE

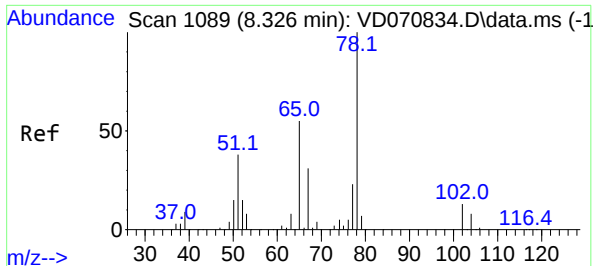
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 137    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 0.0   | 95.8  | 143.6# |
| 51       | 0.0   | 30.9  | 46.3#  |
| 86       | 45.0  | 50.3  | 75.5#  |



#23  
Vinyl Acetate  
Concen: 14.620 ug/l  
RT: 6.156 min Scan# 720  
Delta R.T. -0.147 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 61    |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 0.0   | 8.2   | 12.4# |



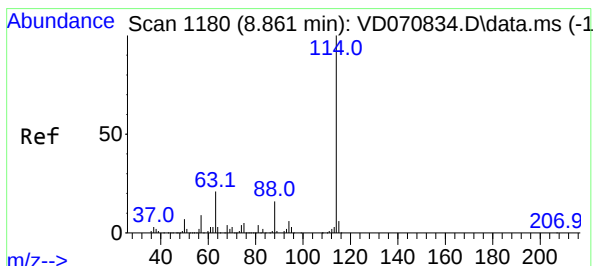
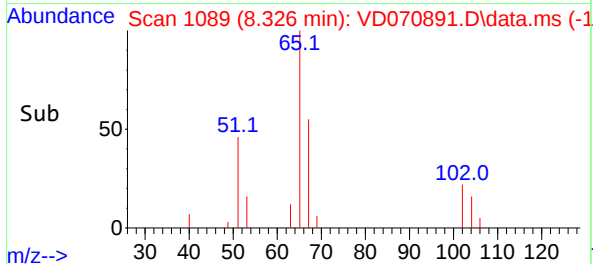
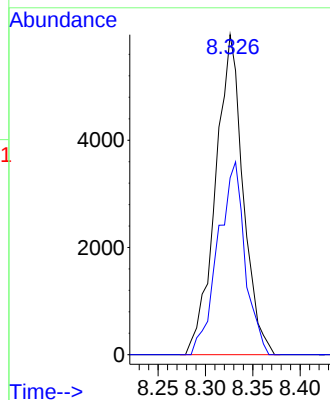
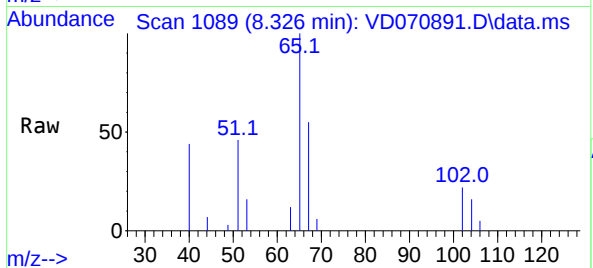


#33

1,2-Dichloroethane-d4  
Concen: 71.365 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6(1.0-1.5)RE

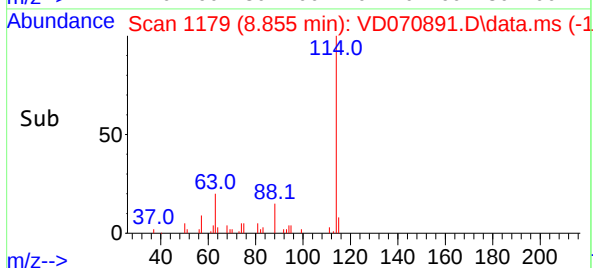
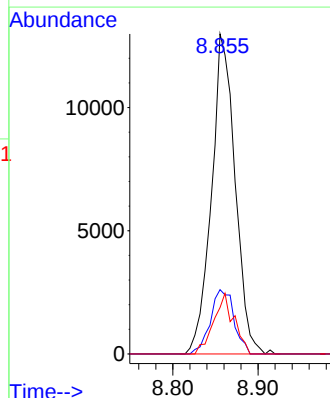
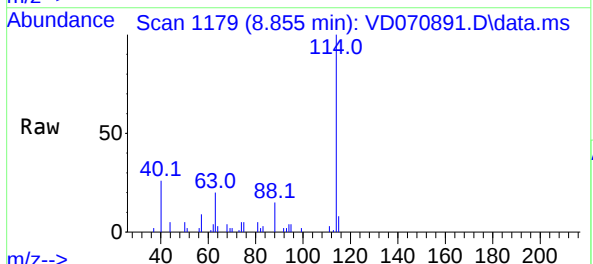
Tgt Ion: 65 Resp: 12130  
Ion Ratio Lower Upper  
65 100  
67 59.0 0.0 112.2

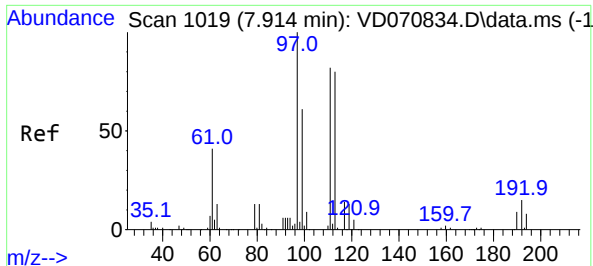


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1179  
Delta R.T. -0.006 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

Tgt Ion: 114 Resp: 24993  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 41.8  
88 14.5 0.0 32.8



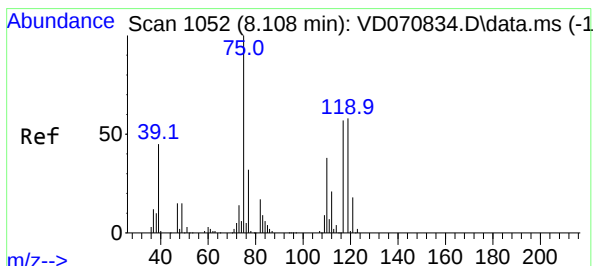
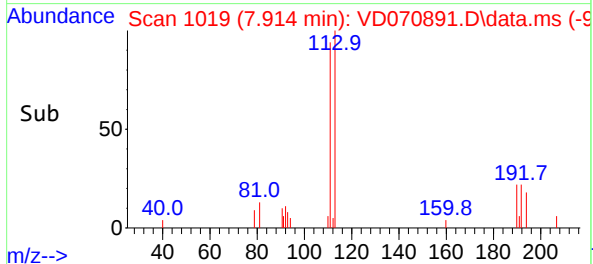
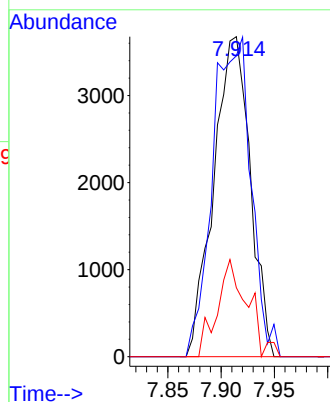
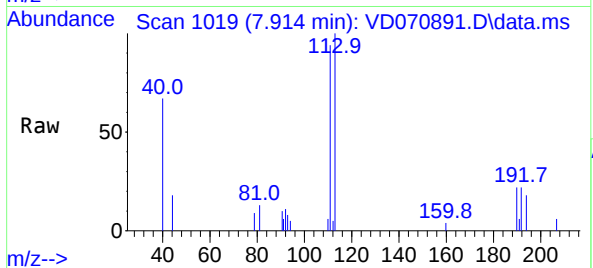


#35

Dibromofluoromethane  
Concen: 53.207 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6(1.0-1.5)RE

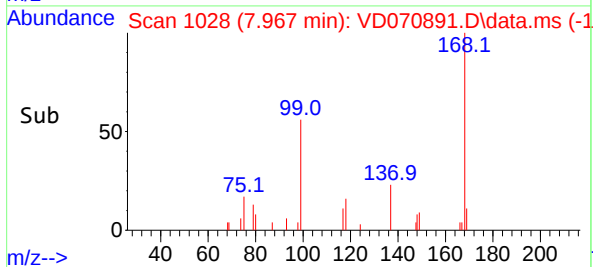
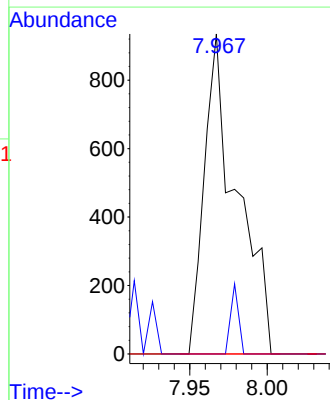
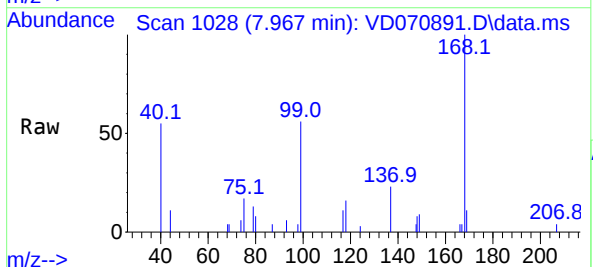
Tgt Ion:113 Resp: 8768  
Ion Ratio Lower Upper  
113 100  
111 104.5 82.0 123.0  
192 25.3 15.2 22.8#

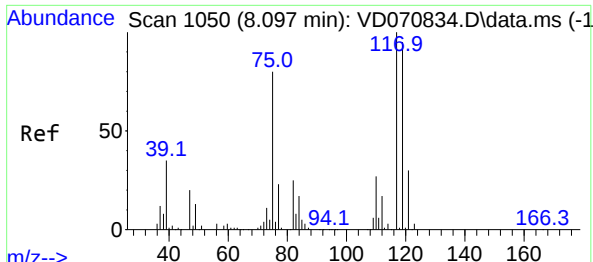


#36

1,1-Dichloropropene  
Concen: 5.216 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.141 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

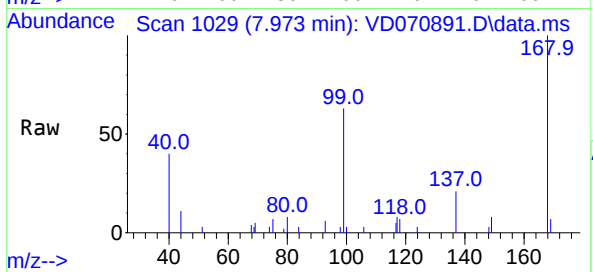
Tgt Ion: 75 Resp: 1364  
Ion Ratio Lower Upper  
75 100  
110 5.3 17.8 53.4#  
77 0.0 24.8 37.2#



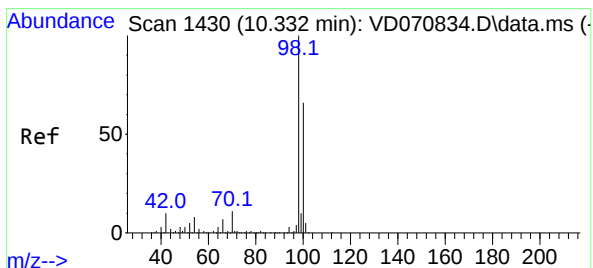
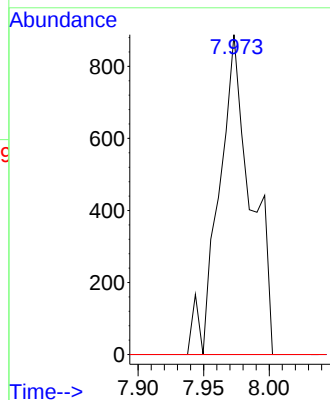
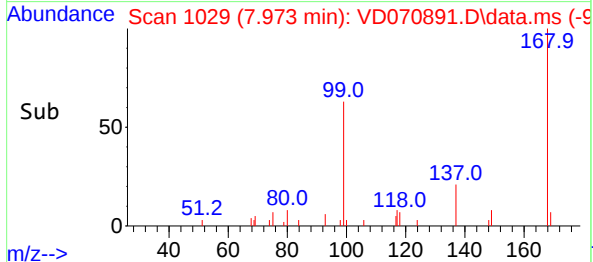


#38  
Carbon Tetrachloride  
Concen: 5.750 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.124 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

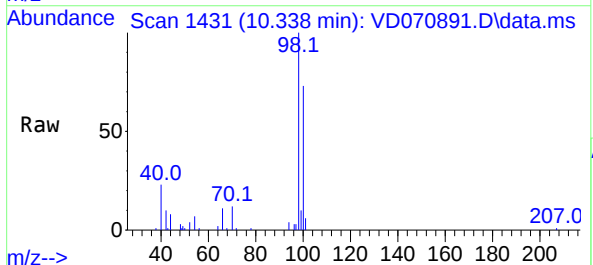
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6(1.0-1.5)RE



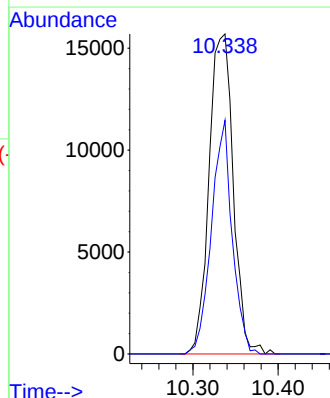
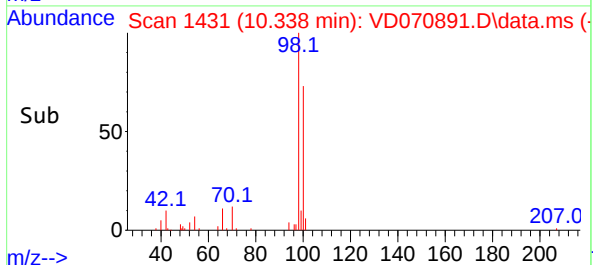
Tgt Ion:117 Resp: 1512  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.8 113.6#  
121 0.0 23.6 35.4#

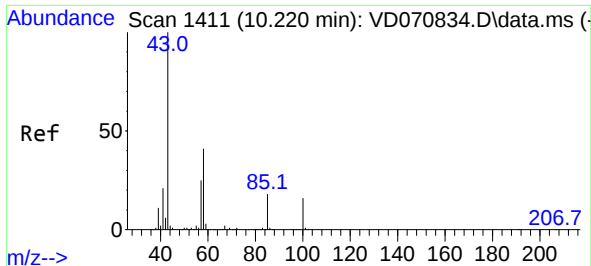


#50  
Toluene-d8  
Concen: 50.080 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30



Tgt Ion: 98 Resp: 31048  
Ion Ratio Lower Upper  
98 100  
100 62.6 51.8 77.6

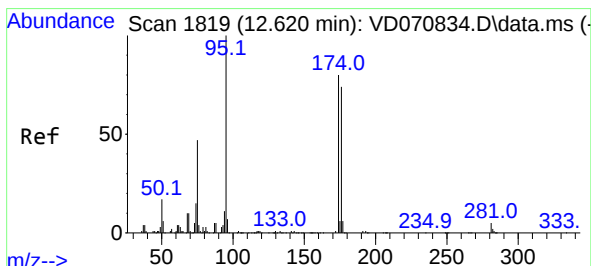
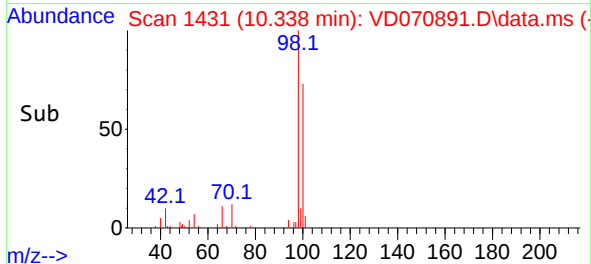
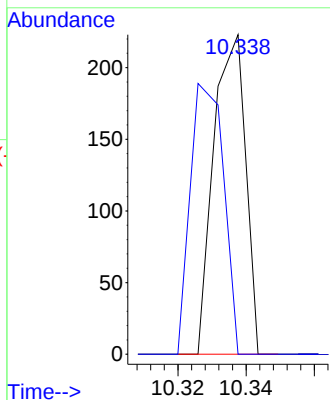
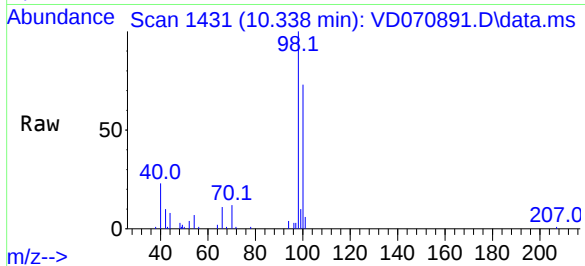




#51  
4-Methyl-2-Pentanone  
Concen: 1.530 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.118 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

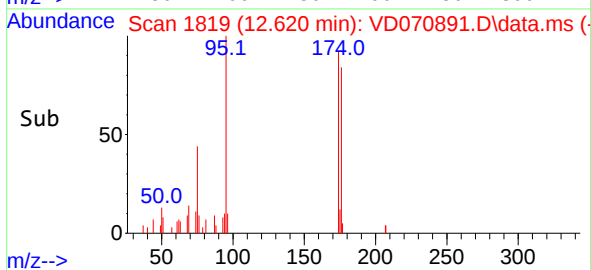
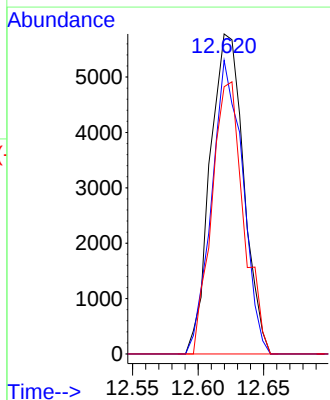
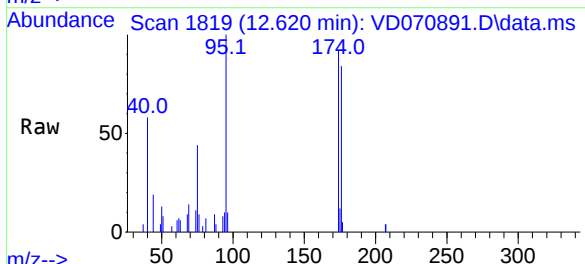
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6(1.0-1.5)RE

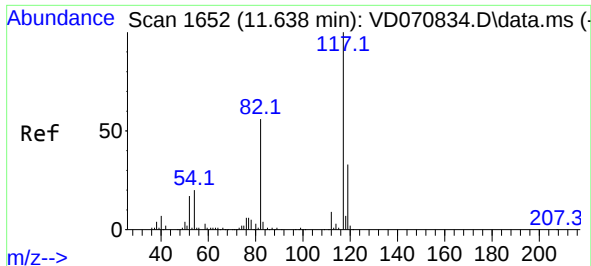
Tgt Ion: 43 Resp: 145  
Ion Ratio Lower Upper  
43 100  
58 88.3 33.1 49.7#



#62  
4-Bromofluorobenzene  
Concen: 50.187 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

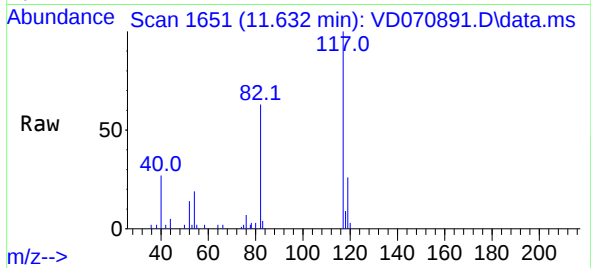
Tgt Ion: 95 Resp: 10266  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 159.4  
176 80.5 0.0 154.0



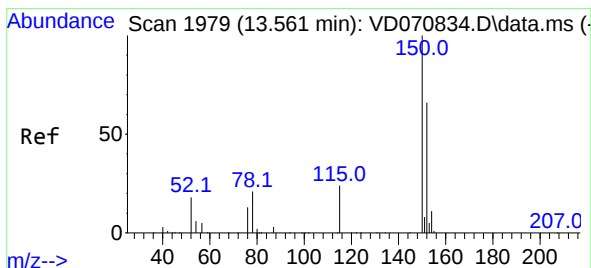
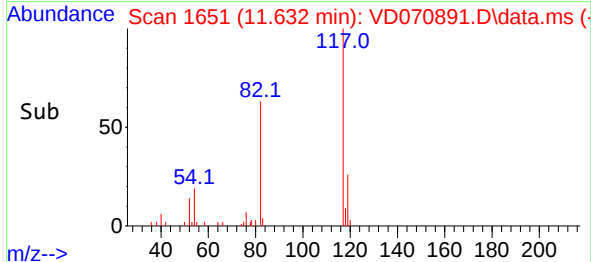
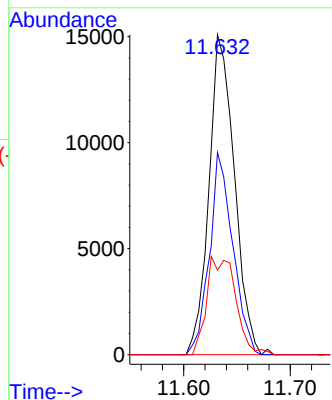


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1651  
Delta R.T. -0.006 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6(1.0-1.5)RE

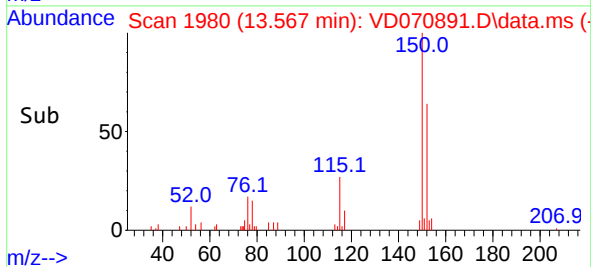
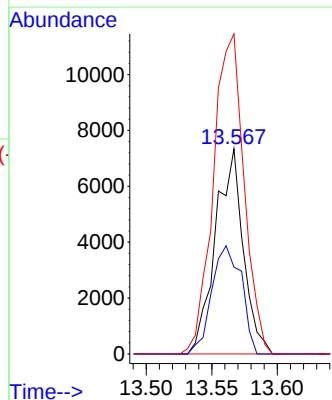
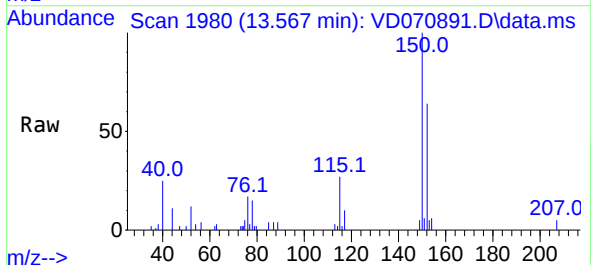


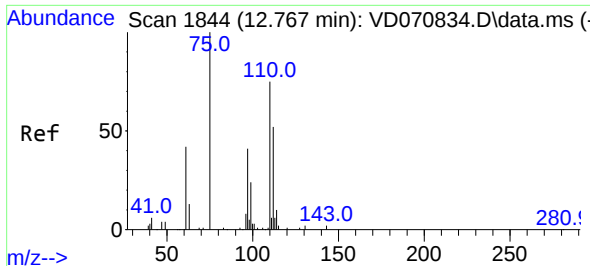
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 25117 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 63.2  | 44.7  | 67.1  |
| 119      | 26.4  | 26.2  | 39.4  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 10857 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 56.0  | 29.8  | 89.3  |
| 150      | 172.1 | 0.0   | 349.2 |

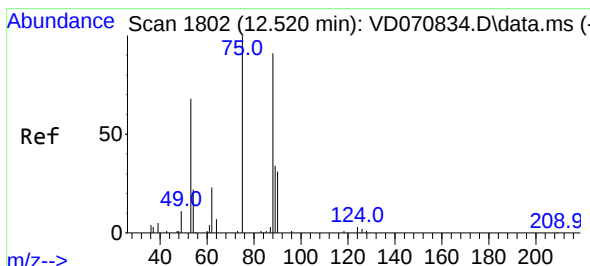
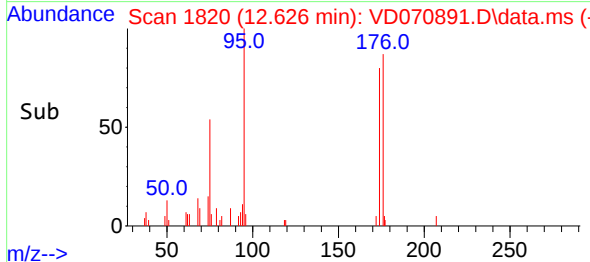
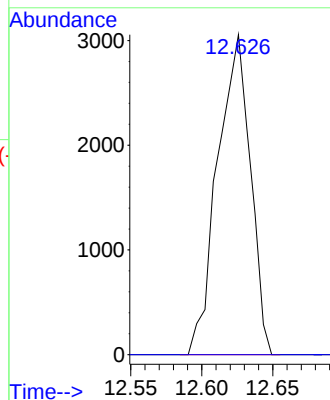
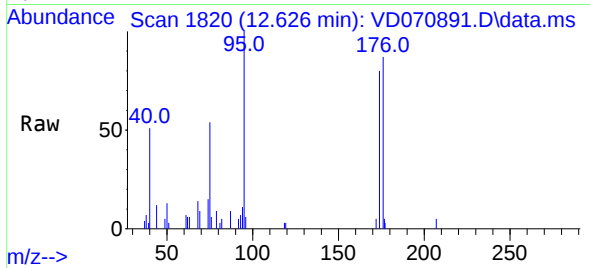




#76  
1,2,3-Trichloropropane  
Concen: 45.903 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.141 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

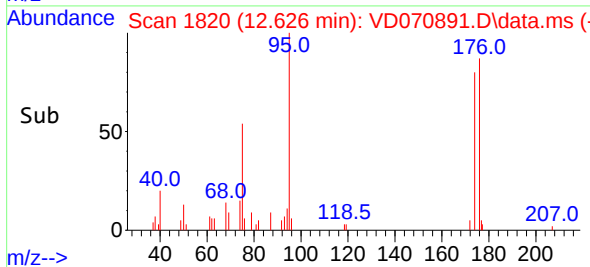
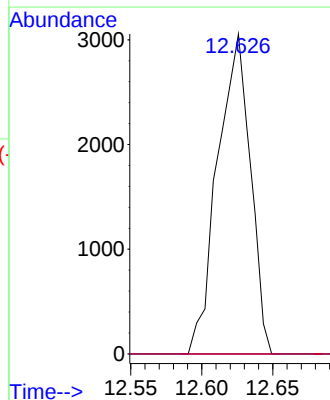
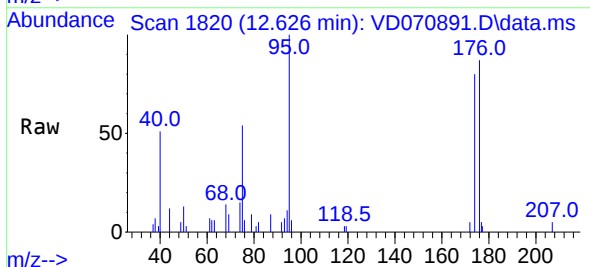
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6(1.0-1.5)RE

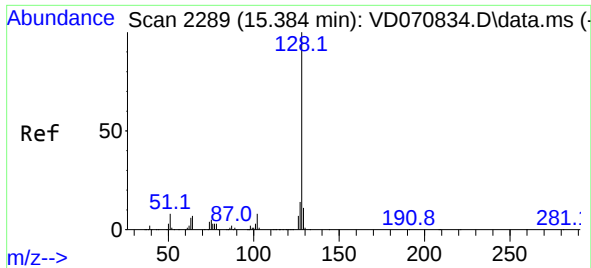
Tgt Ion: 75 Resp: 4906  
Ion Ratio Lower Upper  
75 100  
77 0.0 158.4 475.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 120.479 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

Tgt Ion: 75 Resp: 4906  
Ion Ratio Lower Upper  
75 100  
53 0.0 62.6 94.0#  
89 0.0 34.5 51.7#





#95  
Naphthalene  
Concen: 4.738 ug/l  
RT: 15.384 min Scan# 2289  
Delta R.T. 0.000 min  
Lab File: VD070891.D  
Acq: 28 Oct 2021 14:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6(1.0-1.5)RE

Tgt Ion:128 Resp: 228  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.7 16.1#  
129 0.0 8.7 13.1#

