

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\Vw122320\  
 Data File : Vw017710.D  
 Acq On : 23 Dec 2020 14:24  
 Operator : SY/VA  
 Sample : L5192-01  
 Misc : 7.18G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CL-02-122220

Quant Time: Dec 24 01:36:27 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W121420S.M  
 Quant Title : Sw846 8260  
 QLast Update : Mon Dec 14 12:39:23 2020  
 Response via : Initial Calibration

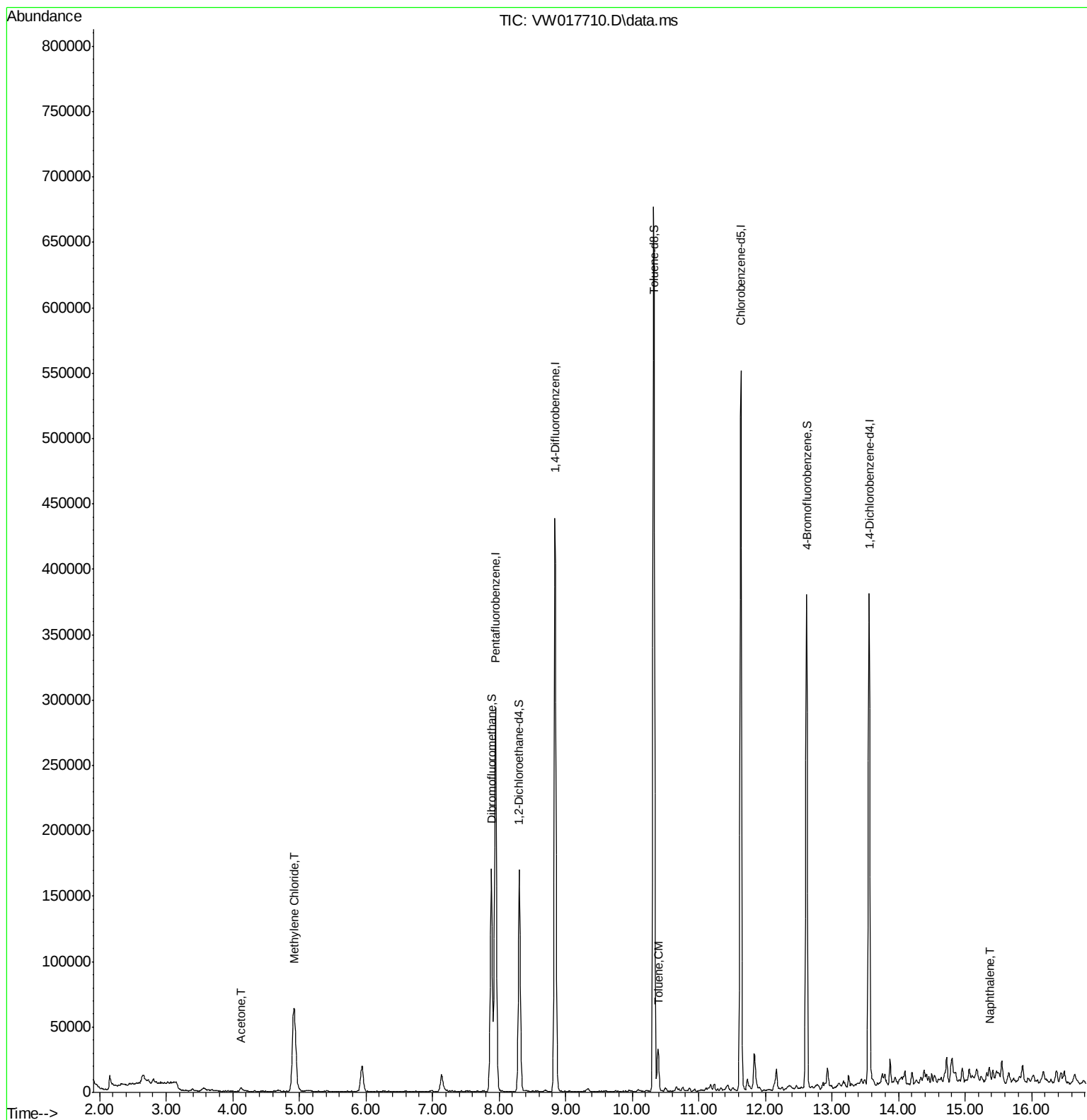
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) Pentafluorobenzene       | 7.945  | 168  | 203199   | 50.00 | ug/l    | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.841  | 114  | 363355   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.633 | 117  | 287715   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.560 | 152  | 93457    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.305  | 65   | 132989   | 53.73 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 107.46% |          |
| 35) Dibromofluoromethane    | 7.884  | 113  | 113831   | 47.34 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 94.68%  |          |
| 50) Toluene-d8              | 10.323 | 98   | 430424   | 45.98 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 91.96%  |          |
| 62) 4-Bromofluorobenzene    | 12.621 | 95   | 120861   | 36.16 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 72.32%  |          |
| Target Compounds            |        |      |          |       |         |          |
| 16) Acetone                 | 4.123  | 43   | 5041     | 9.36  | ug/l    | # 88     |
| 20) Methylene Chloride      | 4.921  | 84   | 54320    | 20.39 | ug/l    | 86       |
| 52) Toluene                 | 10.390 | 92   | 12938    | 1.96  | ug/l    | 98       |
| 95) Naphthalene             | 15.371 | 128  | 8330     | 2.27  | ug/l    | # 92     |
| -----                       |        |      |          |       |         |          |

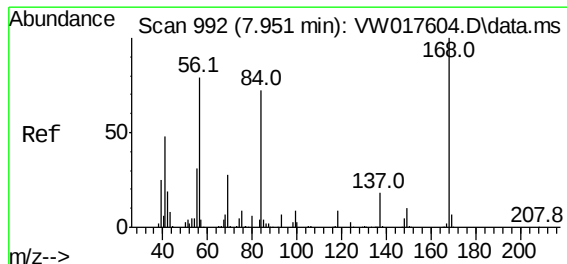
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_w\Data\Vw122320\  
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Operator : SY/VA  
Sample : L5192-01  
Misc : 7.18G/5ML/MSVOA\_w/SOIL  
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Instrument :  
MSVOA\_W  
ClientSampleId :  
CL-02-122220

Quant Time: Dec 24 01:36:27 2020  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_w\Method\82w121420S.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 14 12:39:23 2020  
Response via : Initial Calibration

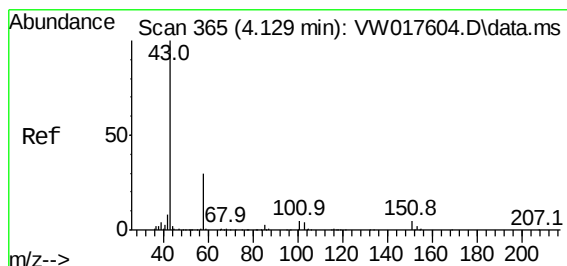
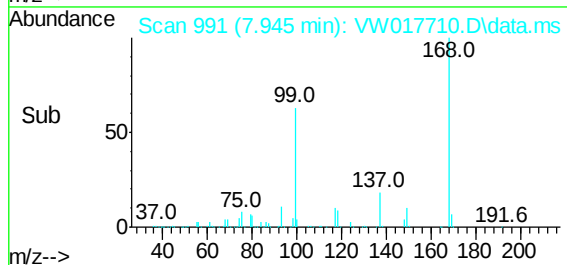
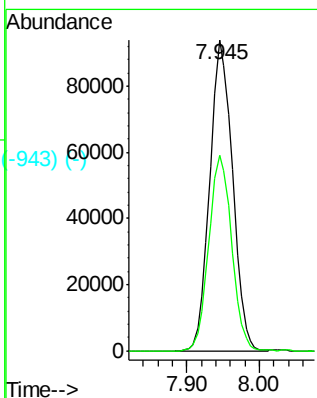
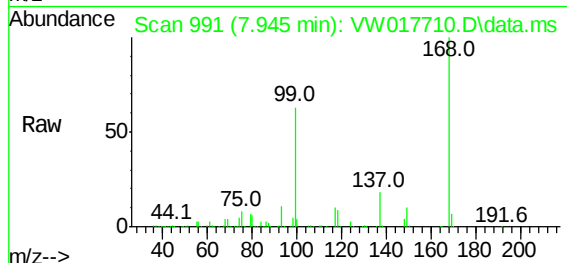




Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.945 min Scan# 991  
Delta R.T. -0.006 min  
Lab File: VW017710.D  
Acq: 23 Dec 2020 14:24

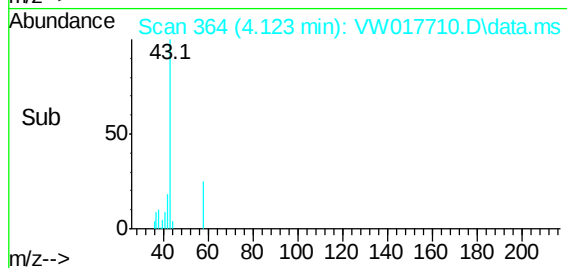
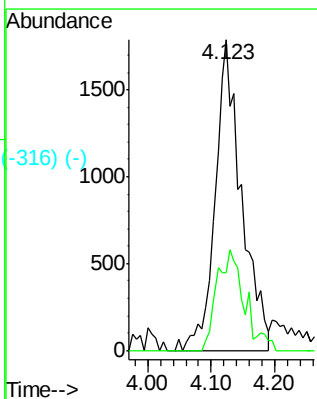
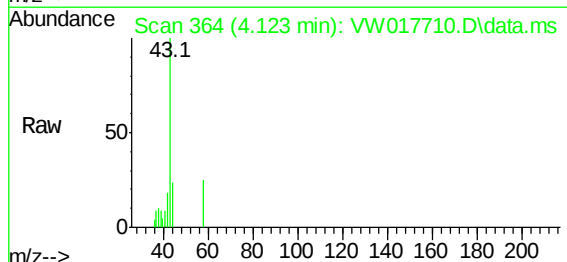
Instrument :  
MSVOA\_W  
ClientSampleId :  
CL-02-122220

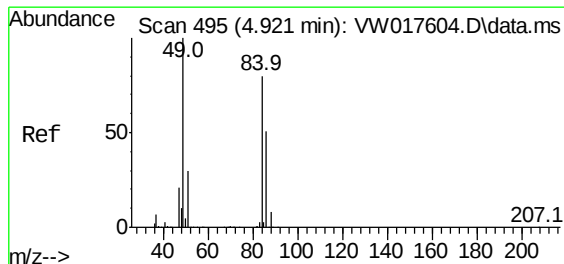
Tgt Ion:168 Resp: 203199  
Ion Ratio Lower Upper  
168 100  
99 62.9 40.7 61.1#



Acetone  
Concen: 9.36 ug/l  
RT: 4.123 min Scan# 364  
Delta R.T. -0.006 min  
Lab File: VW017710.D  
Acq: 23 Dec 2020 14:24

Tgt Ion: 43 Resp: 5041  
Ion Ratio Lower Upper  
43 100  
58 25.2 25.7 38.5#



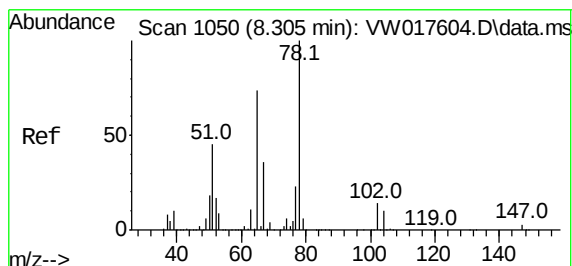
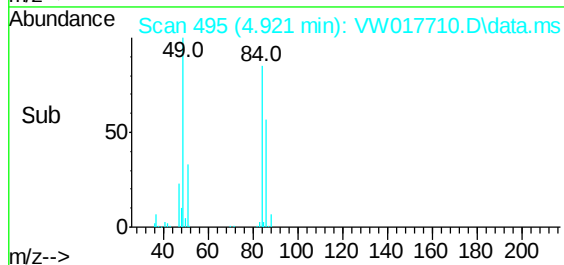
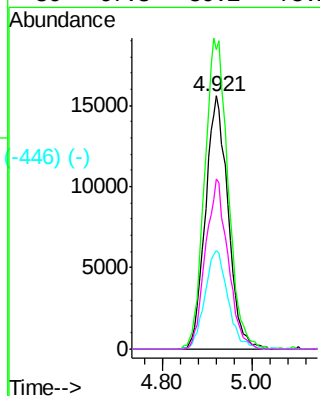
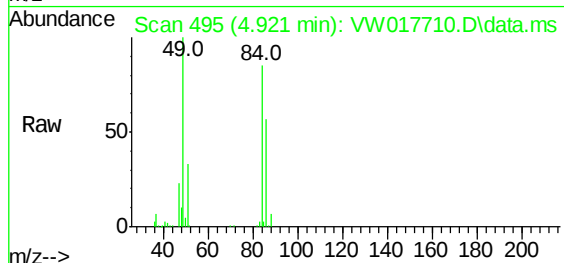


Methylene Chloride  
Concen: 20.39 ug/l  
RT: 4.921 min Scan# 495  
Delta R.T. 0.000 min  
Lab File: VW017710.D  
Acq: 23 Dec 2020 14:24

Instrument :  
MSVOA\_W  
ClientSampleId :  
CL-02-122220

Tgt Ion: 84 Resp: 54320

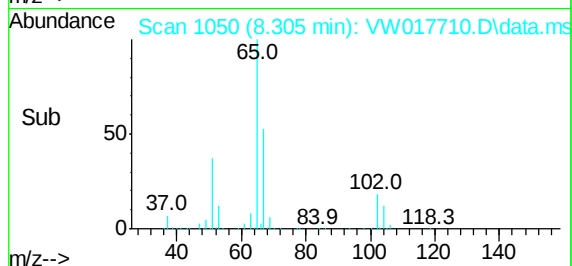
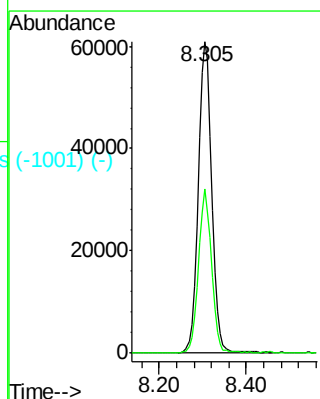
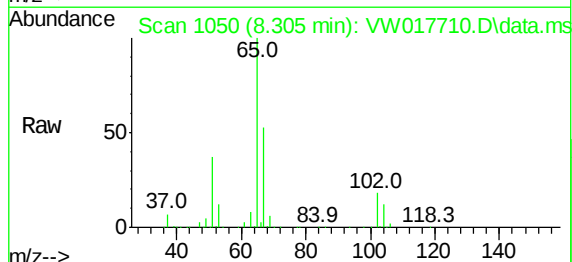
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 118.2 | 79.0  | 118.6 |
| 51  | 38.7  | 26.1  | 39.1  |
| 86  | 67.3  | 50.1  | 75.1  |

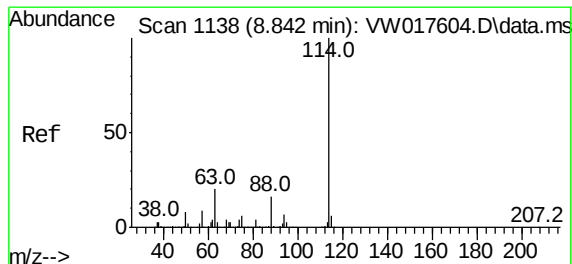


1,2-Dichloroethane-d4  
Concen: 53.73 ug/l  
RT: 8.305 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VW017710.D  
Acq: 23 Dec 2020 14:24

Tgt Ion: 65 Resp: 132989

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 51.0  | 0.0   | 103.8 |



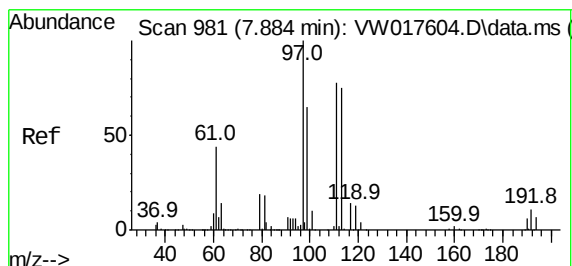
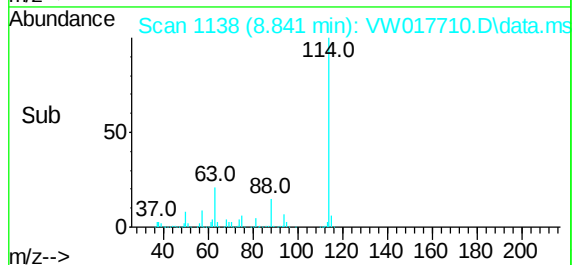
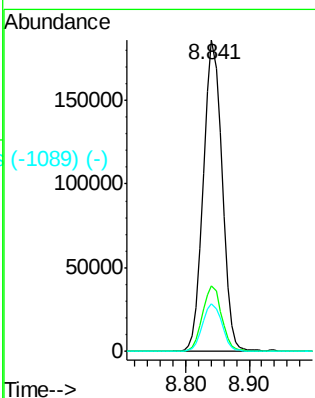
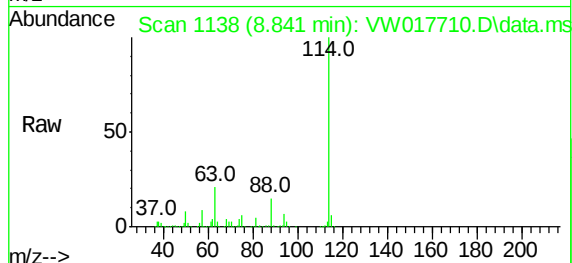


#948 (-)  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.841 min Scan# 1138  
Delta R.T. -0.001 min  
Lab File: VW017710.D  
Acq: 23 Dec 2020 14:24

Instrument :  
MSVOA\_W  
ClientSampleId :  
CL-02-122220

Tgt Ion:114 Resp: 363355

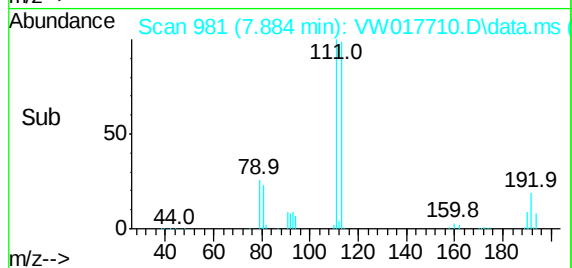
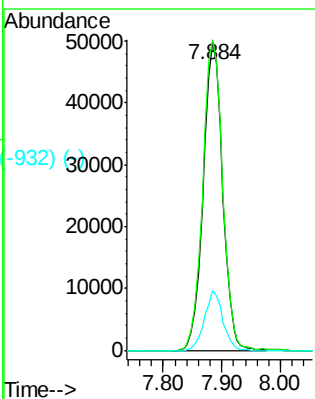
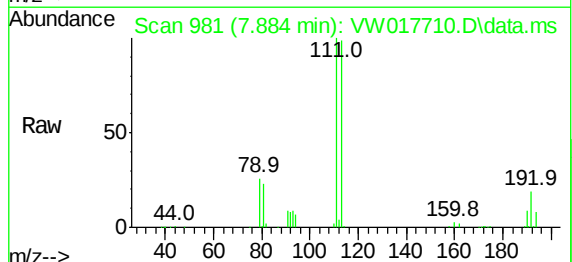
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.9  | 0.0   | 35.6  |
| 88  | 15.1  | 0.0   | 30.4  |

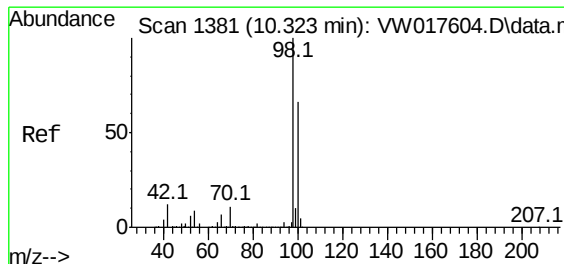


#949 (-)  
Dibromofluoromethane  
Concen: 47.34 ug/l  
RT: 7.884 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VW017710.D  
Acq: 23 Dec 2020 14:24

Tgt Ion:113 Resp: 113831

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.8 | 81.4  | 122.2 |
| 192 | 18.2  | 17.8  | 26.8  |

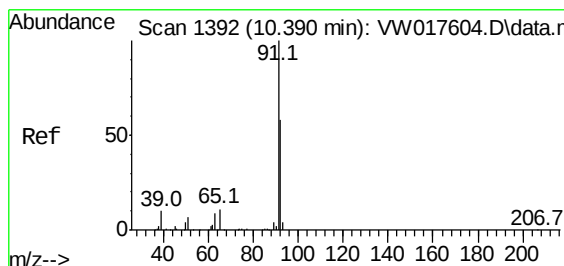
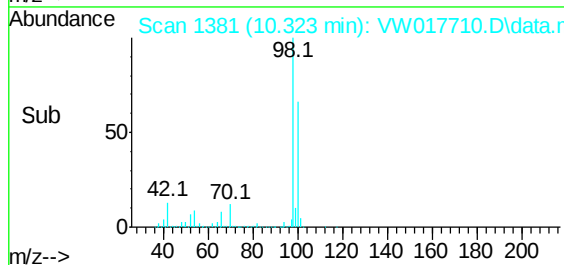
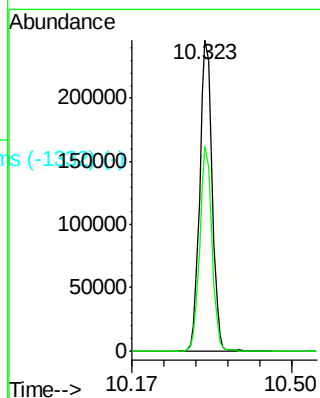
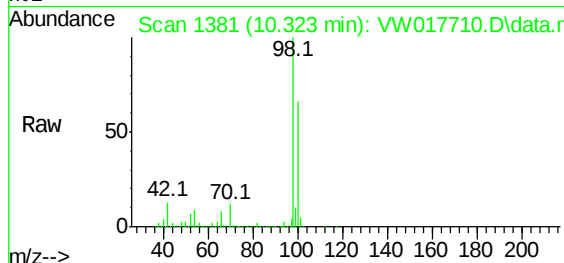




Toluene-d8  
Concen: 45.98 ug/l  
RT: 10.323 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VW017710.D  
Acq: 23 Dec 2020 14:24

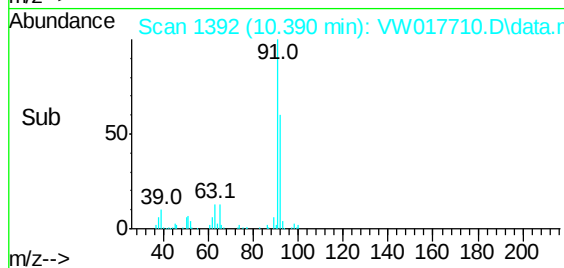
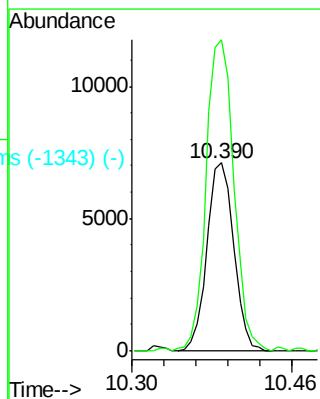
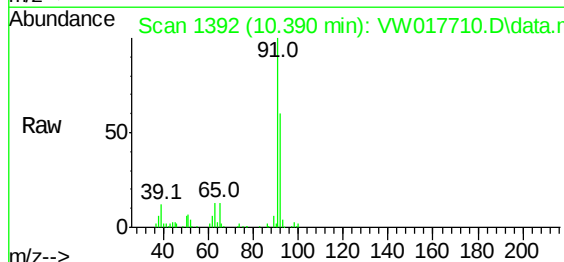
Instrument :  
MSVOA\_W  
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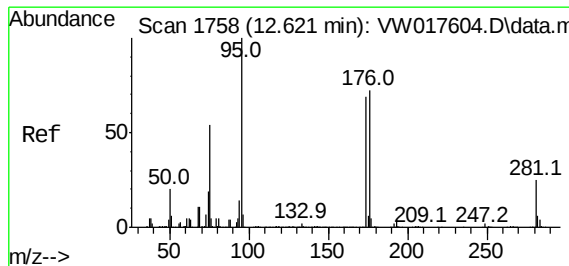
Tgt Ion: 98 Resp: 430424  
Ion Ratio Lower Upper  
98 100  
100 64.4 53.3 79.9



Toluene  
Concen: 1.96 ug/l  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW017710.D  
Acq: 23 Dec 2020 14:24

Tgt Ion: 92 Resp: 12938  
Ion Ratio Lower Upper  
92 100  
91 171.4 134.7 202.1

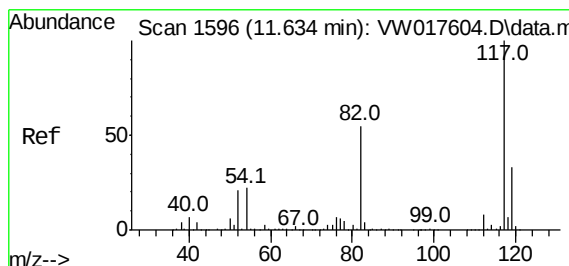
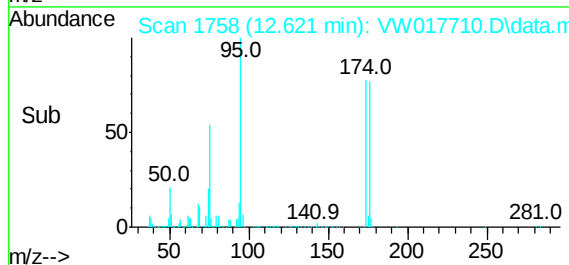
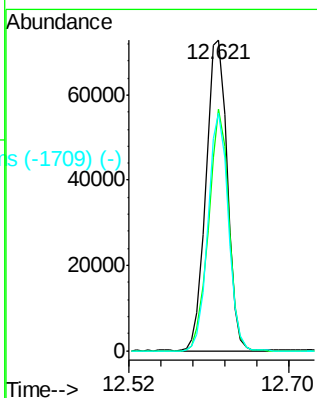
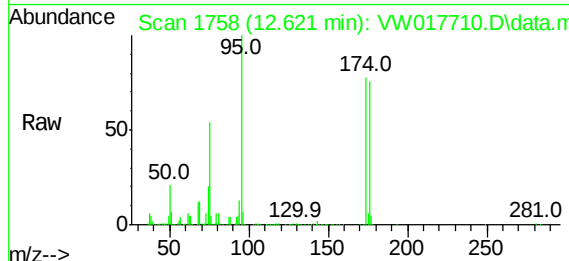




#6249 (-)  
4-Bromofluorobenzene  
Concen: 36.16 ug/l  
RT: 12.621 min Scan# 1758  
Delta R.T. 0.000 min  
Lab File: VW017710.D  
Acq: 23 Dec 2020 14:24

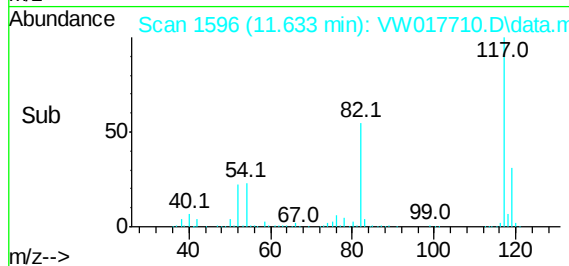
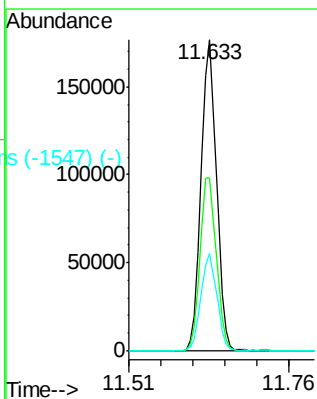
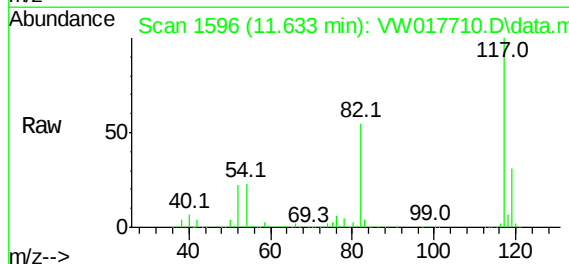
Instrument :  
MSVOA\_W  
ClientSampleId :  
CL-02-122220

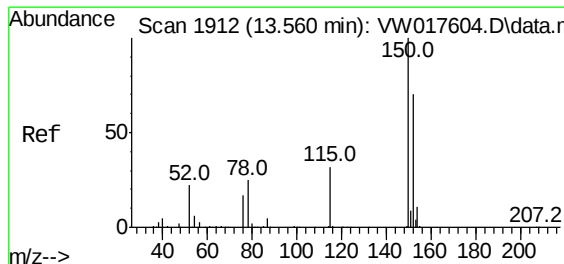
Tgt Ion: 95 Resp: 120861  
Ion Ratio Lower Upper  
95 100  
174 73.4 0.0 180.6  
176 72.6 0.0 177.6



#6386 (-)  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.633 min Scan# 1596  
Delta R.T. -0.001 min  
Lab File: VW017710.D  
Acq: 23 Dec 2020 14:24

Tgt Ion: 117 Resp: 287715  
Ion Ratio Lower Upper  
117 100  
82 55.4 40.7 61.1  
119 31.2 25.0 37.4

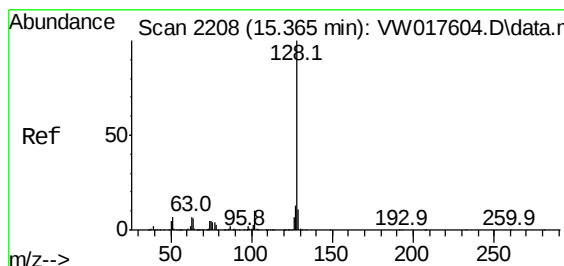
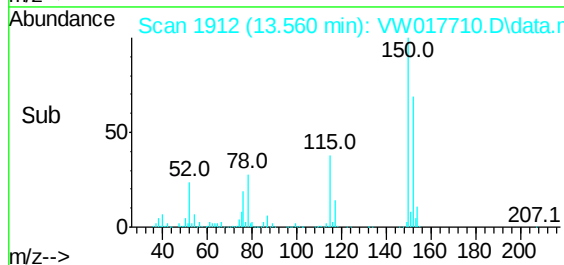
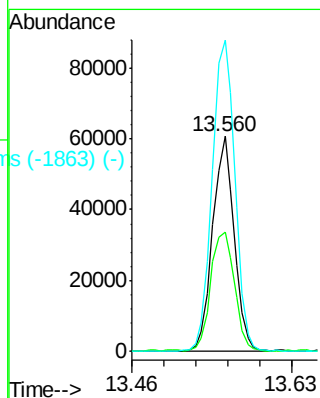
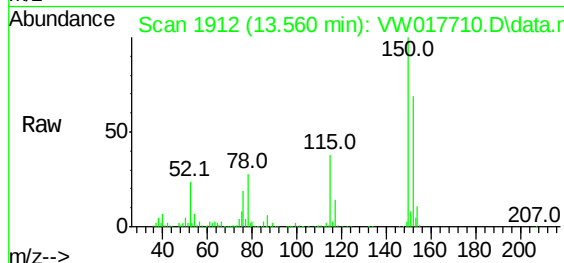




#7204 (-)  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.560 min Scan# 1912  
Delta R.T. -0.000 min  
Lab File: VW017710.D  
Acq: 23 Dec 2020 14:24

Instrument :  
MSVOA\_W  
ClientSampleId :  
CL-02-122220

Tgt Ion:152 Resp: 93457  
Ion Ratio Lower Upper  
152 100  
115 61.2 27.9 83.7  
150 154.0 0.0 344.0



#9199 (-)  
Naphthalene  
Concen: 2.27 ug/l  
RT: 15.371 min Scan# 2209  
Delta R.T. 0.006 min  
Lab File: VW017710.D  
Acq: 23 Dec 2020 14:24

Tgt Ion:128 Resp: 8330  
Ion Ratio Lower Upper  
128 100  
127 15.2 10.4 15.6  
129 14.7 8.6 12.8#

