

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\Vw121420\  
 Data File : VW017616.D  
 Acq On : 14 Dec 2020 17:26  
 Operator : SY/VA  
 Sample : L5015-01  
 Misc : 6.09G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TR-05-121020

Quant Time: Dec 15 03:28:16 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

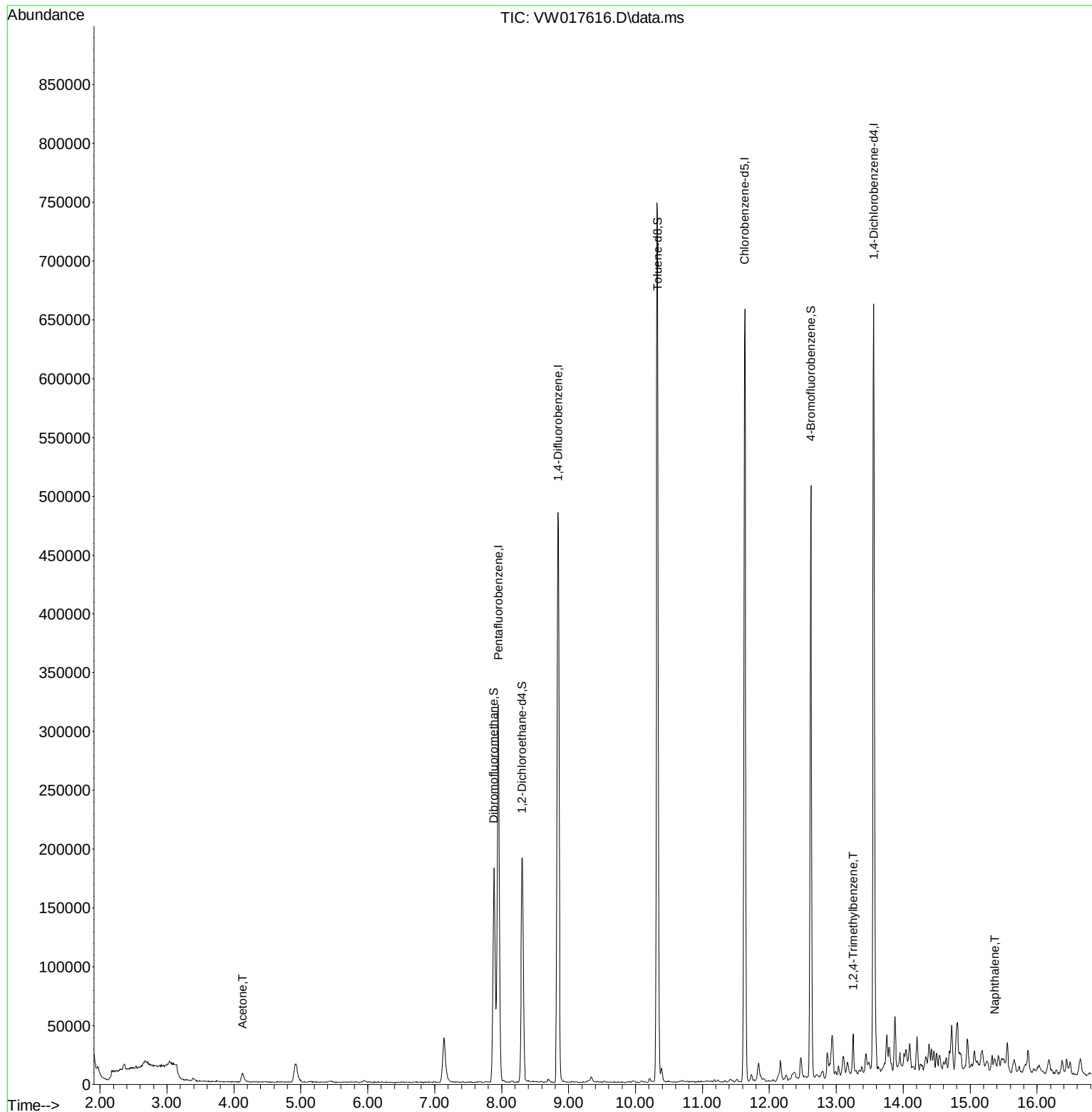
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|--------|------|----------|-------|---------|-----------|
| -----                       |        |      |          |       |         |           |
| Internal Standards          |        |      |          |       |         |           |
| 1) Pentafluorobenzene       | 7.951  | 168  | 218776   | 50.00 | ug/l    | # 0.00    |
| 34) 1,4-Difluorobenzene     | 8.848  | 114  | 399456   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.634 | 117  | 352207   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.560 | 152  | 157720   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |        |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.305  | 65   | 151239   | 56.75 | ug/l    | 0.00      |
| Spiked Amount 50.000        |        |      | Recovery | =     | 113.50% |           |
| 35) Dibromofluoromethane    | 7.884  | 113  | 128538   | 48.63 | ug/l    | 0.00      |
| Spiked Amount 50.000        |        |      | Recovery | =     | 97.26%  |           |
| 50) Toluene-d8              | 10.329 | 98   | 490072   | 47.62 | ug/l    | 0.00      |
| Spiked Amount 50.000        |        |      | Recovery | =     | 95.24%  |           |
| 62) 4-Bromofluorobenzene    | 12.621 | 95   | 160778   | 43.75 | ug/l    | 0.00      |
| Spiked Amount 50.000        |        |      | Recovery | =     | 87.50%  |           |
| Target Compounds            |        |      |          |       |         |           |
| 16) Acetone                 | 4.129  | 43   | 13606    | 23.46 | ug/l    | Qvalue 93 |
| 84) 1,2,4-Trimethylbenzene  | 13.255 | 105  | 19104    | 1.84  | ug/l    | 98        |
| 95) Naphthalene             | 15.371 | 128  | 7754     | 1.25  | ug/l    | 96        |
| -----                       |        |      |          |       |         |           |

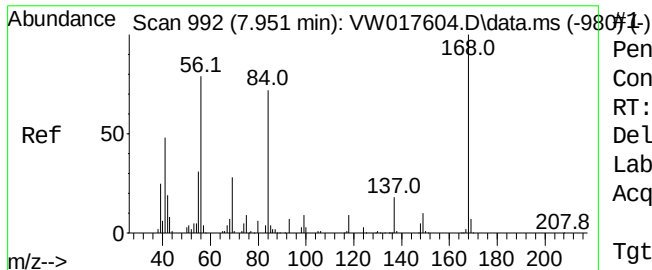
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121420\  
Data File : VW017616.D  
Acq On : 14 Dec 2020 17:26  
Operator : SY/VA  
Sample : L5015-01  
Misc : 6.09G/5ML/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TR-05-121020

Quant Time: Dec 15 03:28:16 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

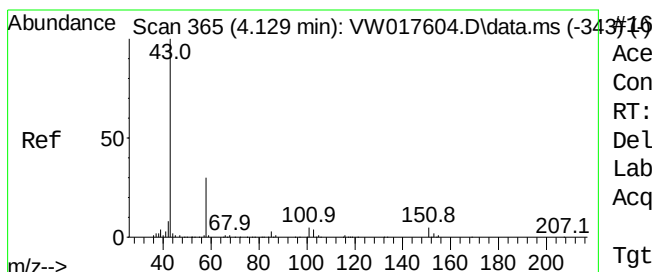
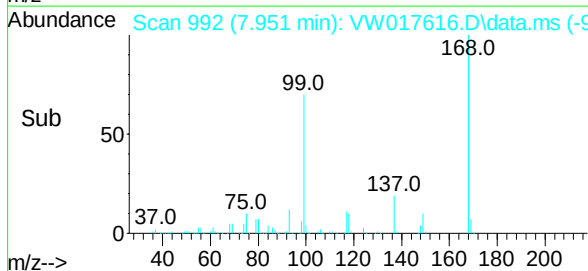
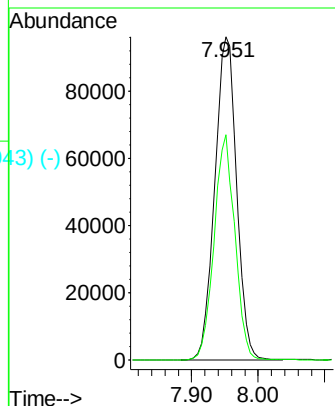
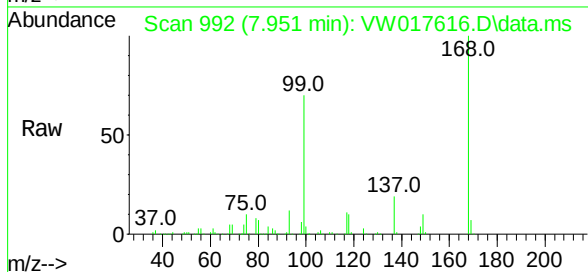




Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.951 min Scan# 992  
 Delta R.T. 0.000 min  
 Lab File: VW017616.D  
 Acq: 14 Dec 2020 17:26

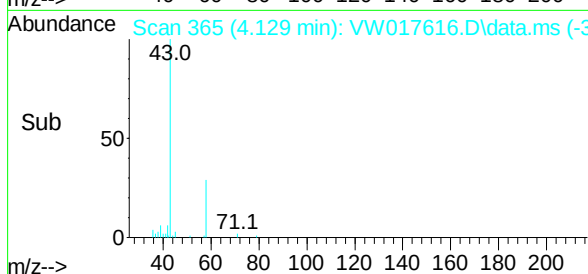
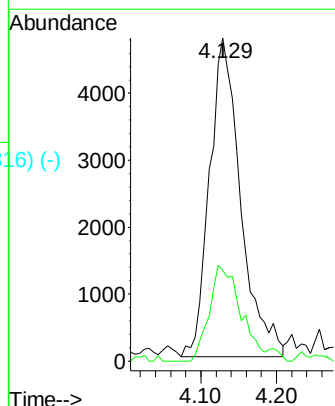
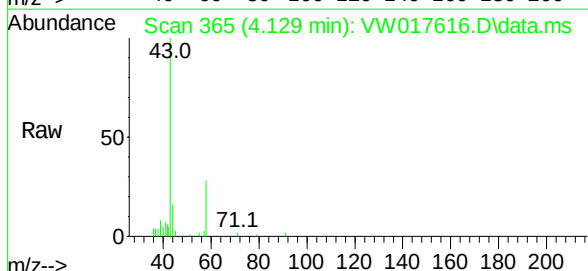
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 TR-05-121020

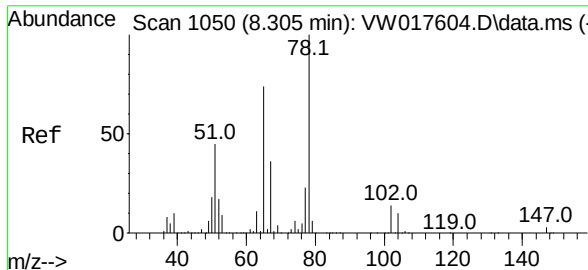
Tgt Ion:168 Resp: 218776  
 Ion Ratio Lower Upper  
 168 100  
 99 69.7 40.7 61.1#



Acetone  
 Concen: 23.46 ug/l  
 RT: 4.129 min Scan# 365  
 Delta R.T. -0.000 min  
 Lab File: VW017616.D  
 Acq: 14 Dec 2020 17:26

Tgt Ion: 43 Resp: 13606  
 Ion Ratio Lower Upper  
 43 100  
 58 28.5 25.7 38.5

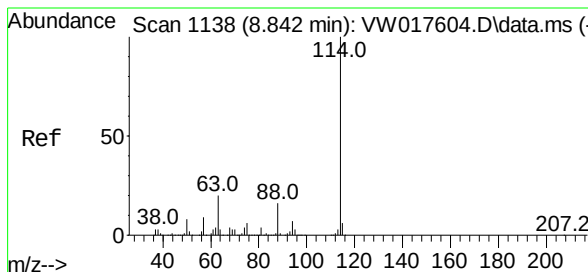
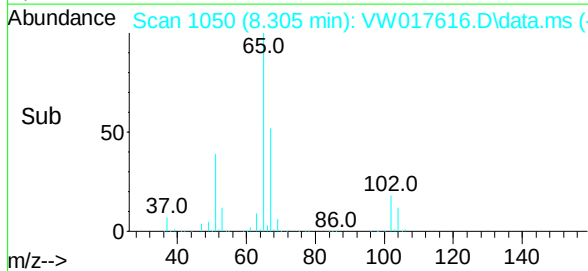
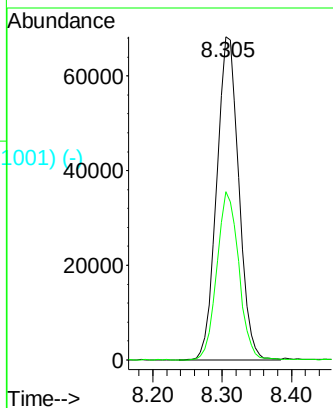
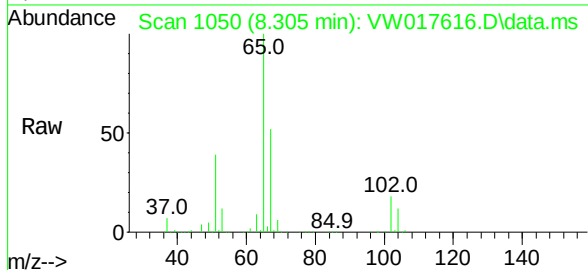




1,2-Dichloroethane-d4  
 Concen: 56.75 ug/l  
 RT: 8.305 min Scan# 1050  
 Delta R.T. 0.000 min  
 Lab File: VW017616.D  
 Acq: 14 Dec 2020 17:26

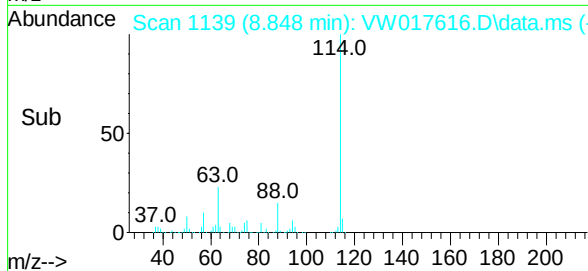
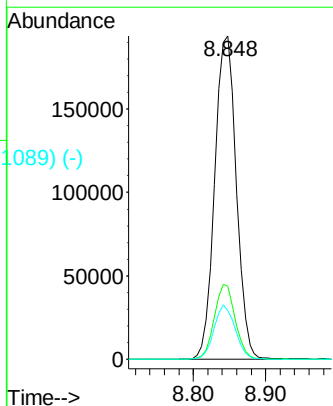
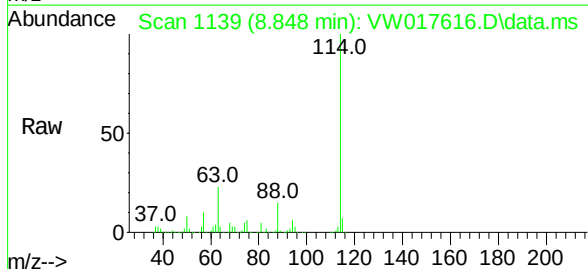
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TR-05-121020

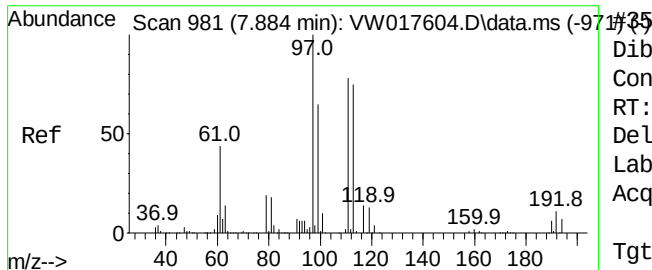
Tgt Ion: 65 Resp: 151239  
 Ion Ratio Lower Upper  
 65 100  
 67 51.8 0.0 103.8



1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.848 min Scan# 1139  
 Delta R.T. 0.006 min  
 Lab File: VW017616.D  
 Acq: 14 Dec 2020 17:26

Tgt Ion: 114 Resp: 399456  
 Ion Ratio Lower Upper  
 114 100  
 63 22.5 0.0 35.6  
 88 15.1 0.0 30.4

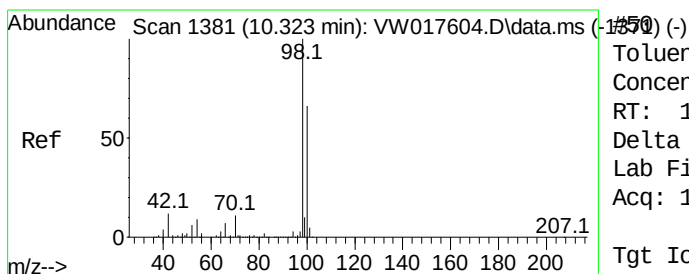
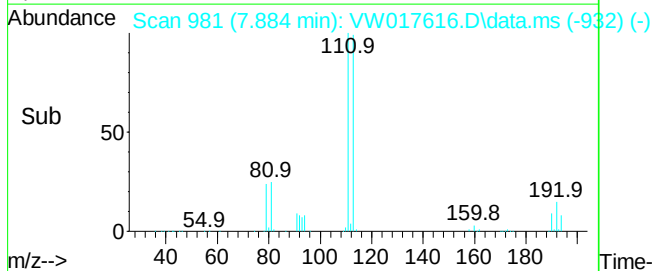
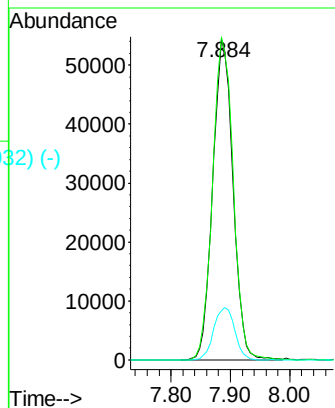
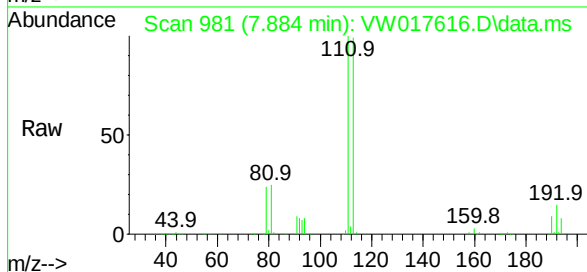




Dibromofluoromethane  
Concen: 48.63 ug/l  
RT: 7.884 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

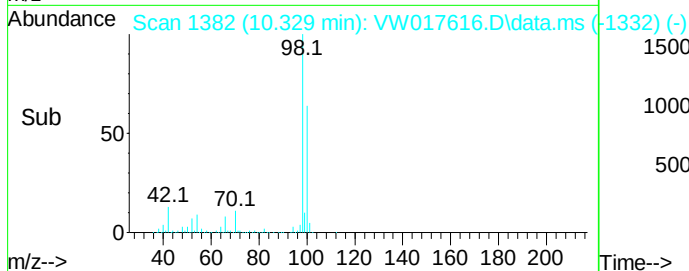
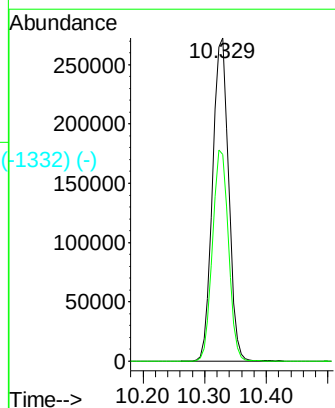
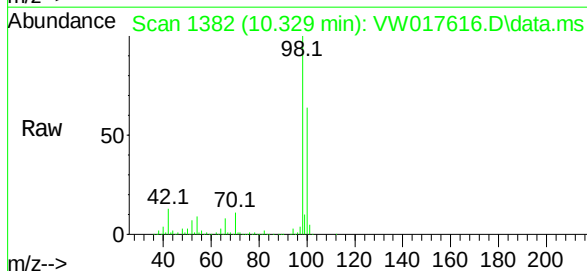
Instrument :  
MSVOA\_W  
ClientSampled :  
TR-05-121020

Tgt Ion:113 Resp: 128538  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.4 122.2  
192 17.0 17.8 26.8#



Toluene-d8  
Concen: 47.62 ug/l  
RT: 10.329 min Scan# 1382  
Delta R.T. 0.006 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

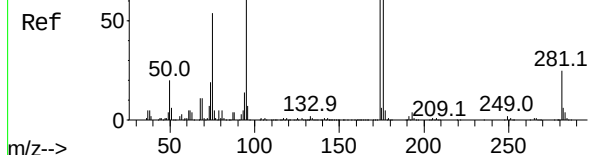
Tgt Ion: 98 Resp: 490072  
Ion Ratio Lower Upper  
98 100  
100 64.9 53.3 79.9



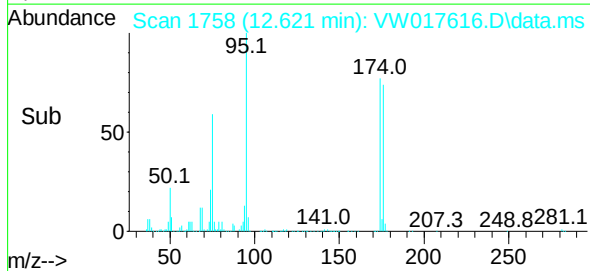
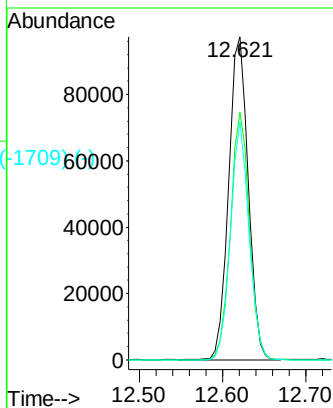
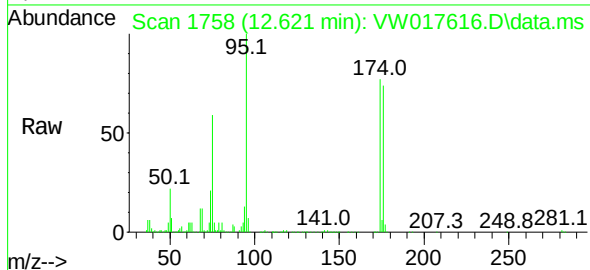
Abundance Scan 1758 (12.621 min): VW017604.D\data.ms (-1749) (-)

4-Bromofluorobenzene  
Concen: 43.75 ug/l  
RT: 12.621 min Scan# 1758  
Delta R.T. 0.000 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

Instrument :  
MSVOA\_W  
ClientSampleId :  
TR-05-121020

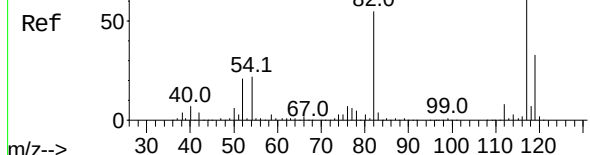


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 160778 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 73.9  | 0.0   | 180.6  |
| 176       | 69.6  | 0.0   | 177.6  |

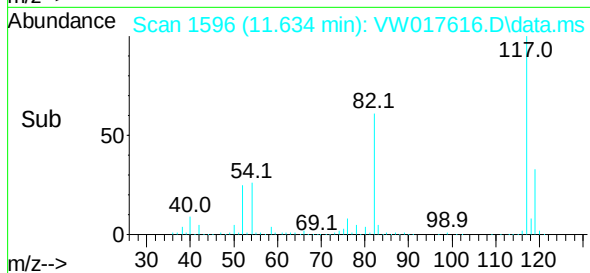
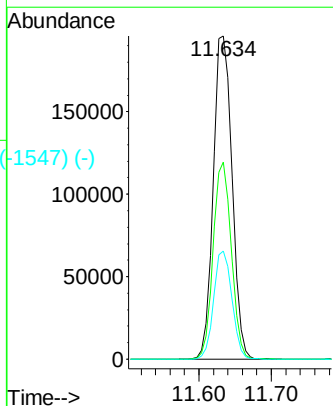
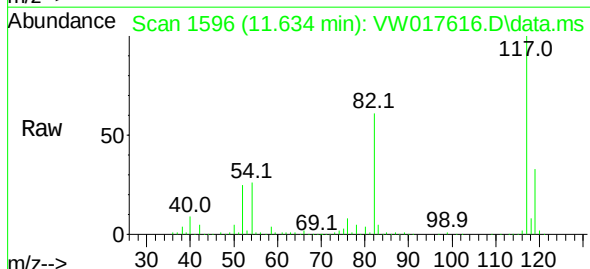


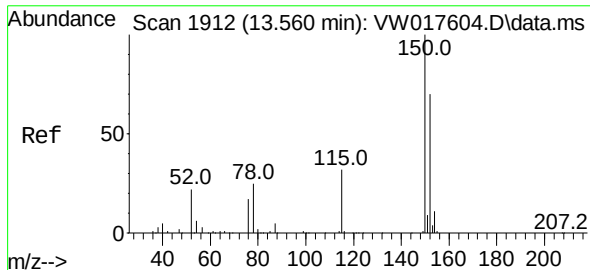
Abundance Scan 1596 (11.634 min): VW017604.D\data.ms (-1568) (-)

Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.634 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 352207 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 61.1  | 40.7  | 61.1   |
| 119       | 33.4  | 25.0  | 37.4   |

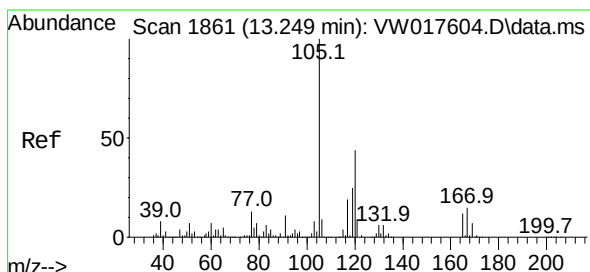
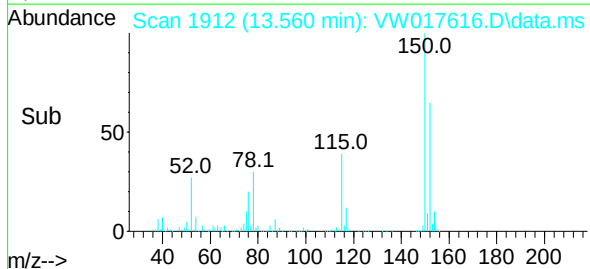
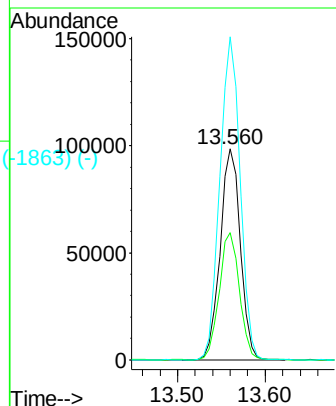
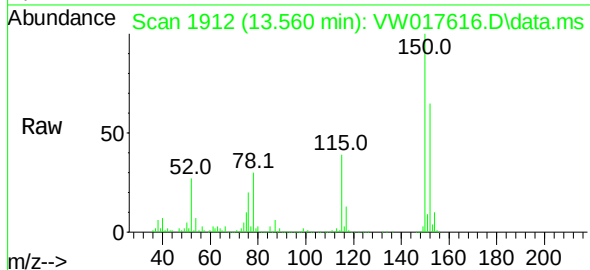




Scan 1912 (13.560 min): VW017604.D\data.ms (-1874) (-)  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.560 min Scan# 1912  
 Delta R.T. 0.000 min  
 Lab File: VW017616.D  
 Acq: 14 Dec 2020 17:26

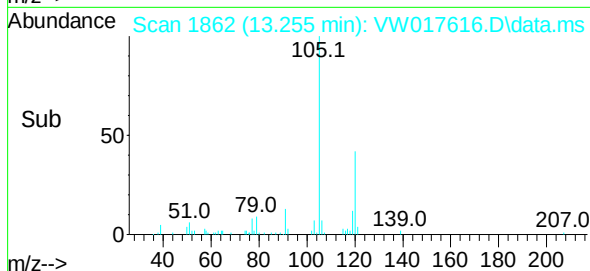
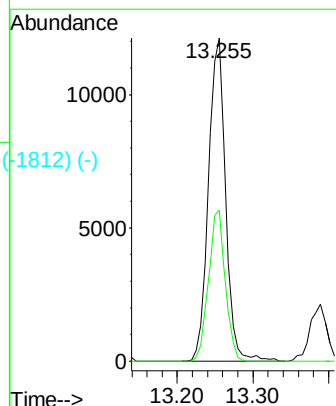
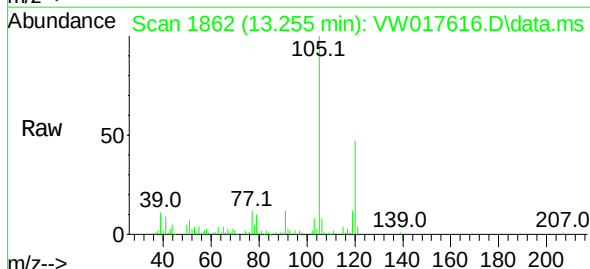
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TR-05-121020

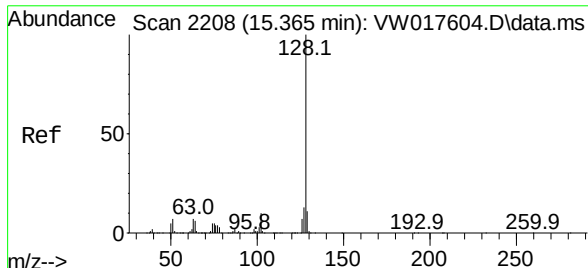
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 157720 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 60.4  | 27.9  | 83.7   |
| 150      | 154.4 | 0.0   | 344.0  |



Scan 1861 (13.249 min): VW017604.D\data.ms (-1844) (-)  
 1,2,4-Trimethylbenzene  
 Concen: 1.84 ug/l  
 RT: 13.255 min Scan# 1862  
 Delta R.T. 0.006 min  
 Lab File: VW017616.D  
 Acq: 14 Dec 2020 17:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 19104 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 45.6  | 23.4  | 70.0  |





Naphthalene  
 Concen: 1.25 ug/l  
 RT: 15.371 min Scan# 2209  
 Delta R.T. 0.006 min  
 Lab File: VW017616.D  
 Acq: 14 Dec 2020 17:26

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TR-05-121020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 7754  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 15.2  | 10.4  | 15.6  |
| 129      | 11.1  | 8.6   | 12.8  |

