

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_w\Data\Vw121620\  
 Data File : Vw017662.D  
 Acq On : 16 Dec 2020 14:47  
 Operator : SY/VA  
 Sample : L5125-03  
 Misc : 7.34G/5ML/MSVOA\_w/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DETENTION-LINE-2

Quant Time: Dec 17 05:08:36 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  | 200859   | 50.00 | ug/l    | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.842  | 114  | 358961   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.634 | 117  | 316345   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.560 | 152  | 143891   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.305  | 65   | 135004   | 55.18 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 110.36% |          |
| 35) Dibromofluoromethane    | 7.891  | 113  | 112658   | 47.43 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 94.86%  |          |
| 50) Toluene-d8              | 10.323 | 98   | 441965   | 47.79 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 95.58%  |          |
| 62) 4-Bromofluorobenzene    | 12.621 | 95   | 148276   | 44.90 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 89.80%  |          |

Target Compounds Qvalue

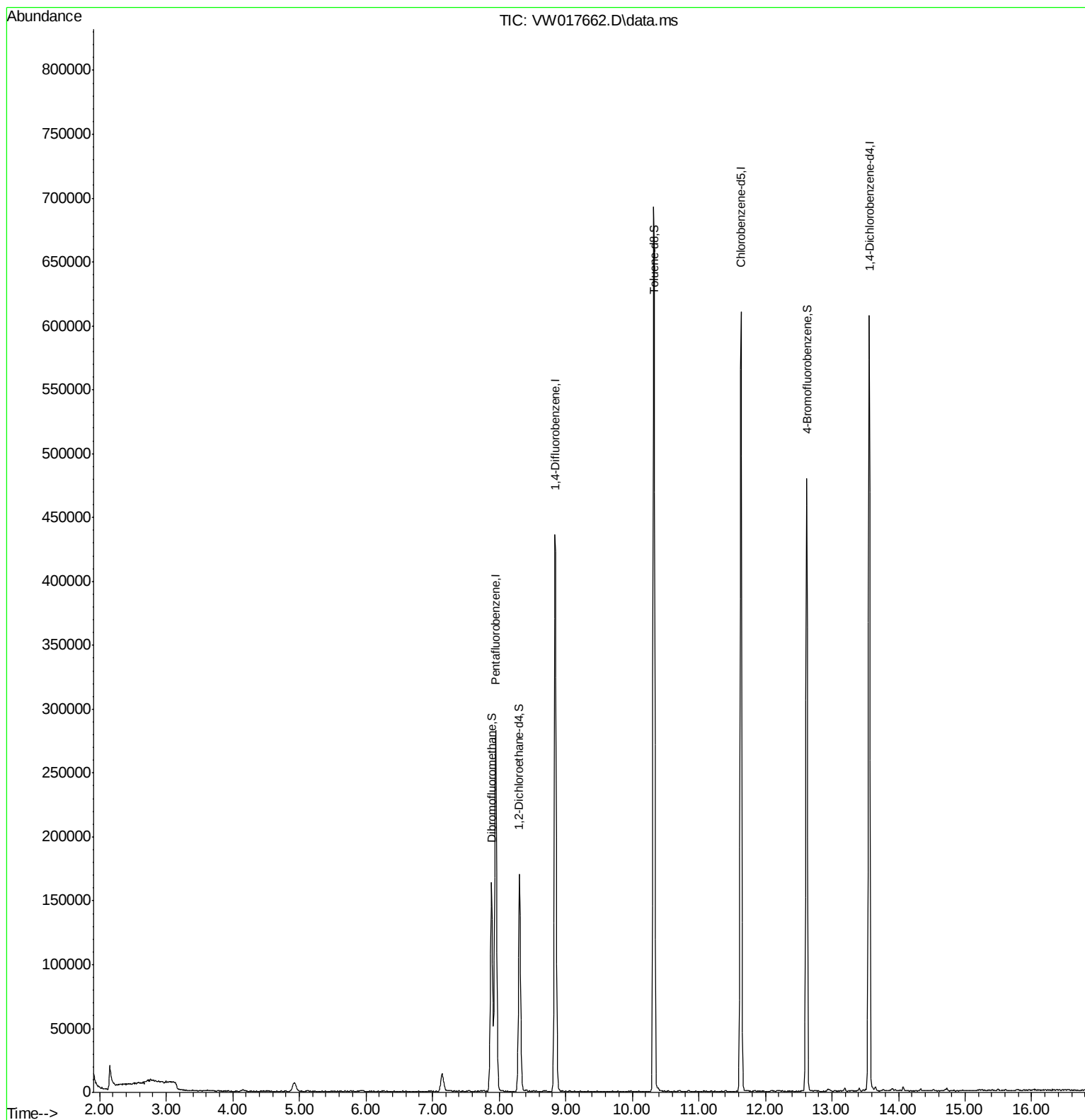
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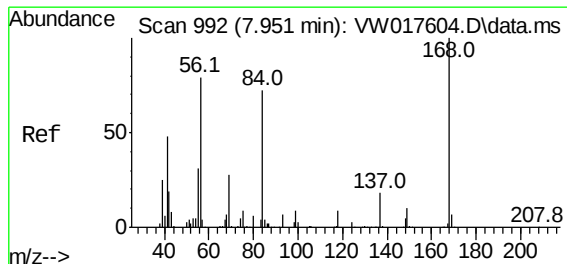
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L5125-03  
Misc : 7.34G/5ML/MSVOA\_W/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DETENTION-LINE-2

Quant Time: Dec 17 05:08:36 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

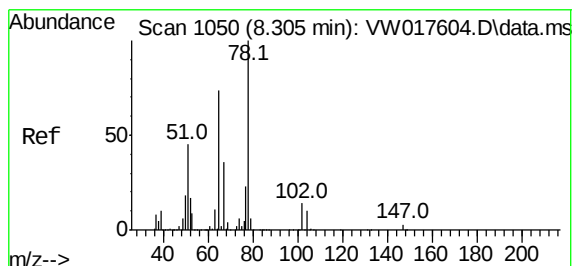
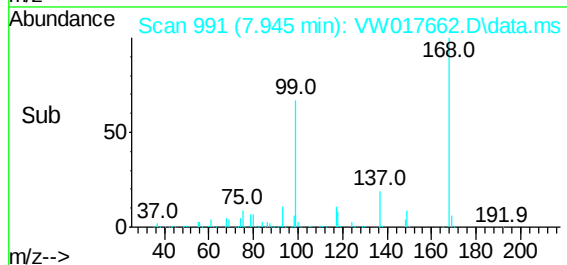
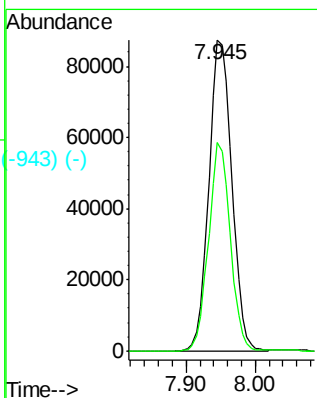
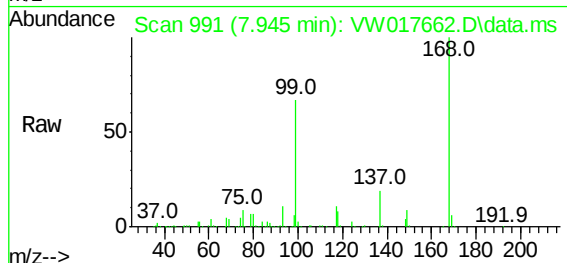




Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.945 min Scan# 991  
Delta R.T. -0.006 min  
Lab File: VW017662.D  
Acq: 16 Dec 2020 14:47

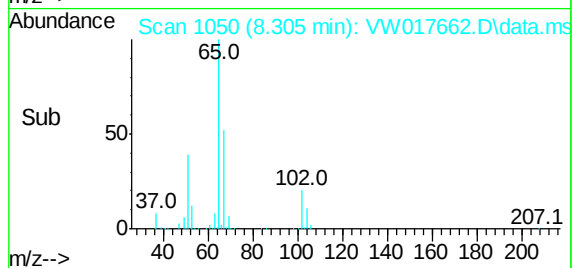
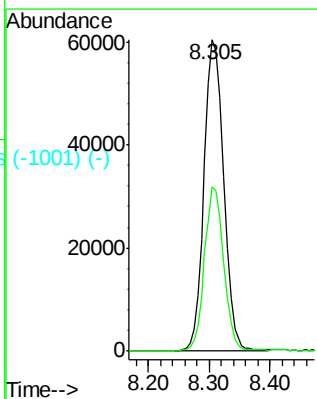
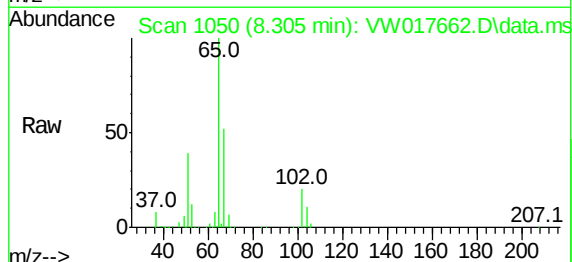
Instrument :  
MSVOA\_W  
ClientSampleId :  
DETENTION-LINE-2

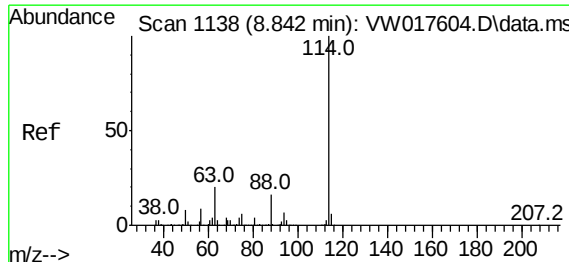
Tgt Ion:168 Resp: 200859  
Ion Ratio Lower Upper  
168 100  
99 67.1 40.7 61.1#



1,2-Dichloroethane-d4  
Concen: 55.18 ug/l  
RT: 8.305 min Scan# 1050  
Delta R.T. 0.000 min  
Lab File: VW017662.D  
Acq: 16 Dec 2020 14:47

Tgt Ion: 65 Resp: 135004  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 103.8

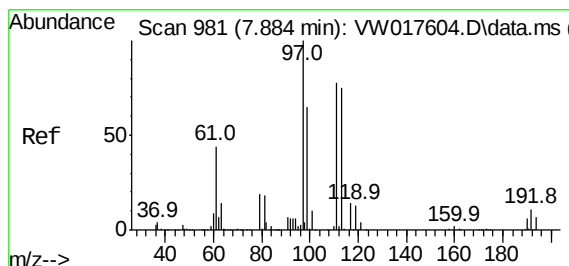
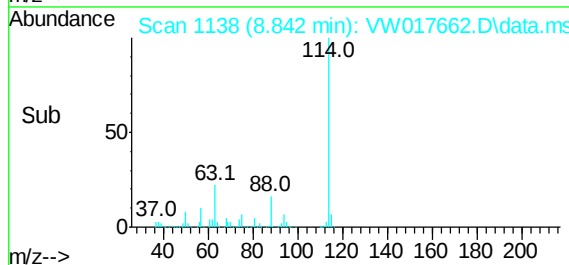
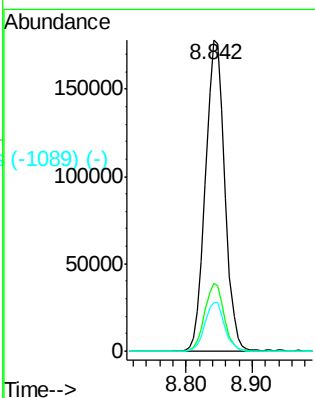
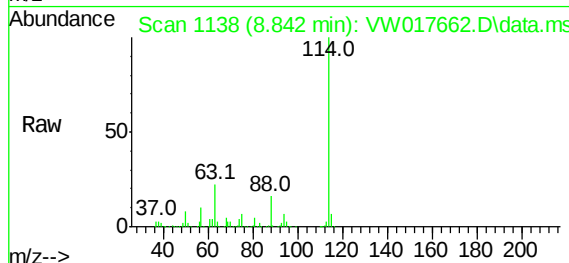




#948 (-)  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.842 min Scan# 1138  
Delta R.T. -0.000 min  
Lab File: VW017662.D  
Acq: 16 Dec 2020 14:47

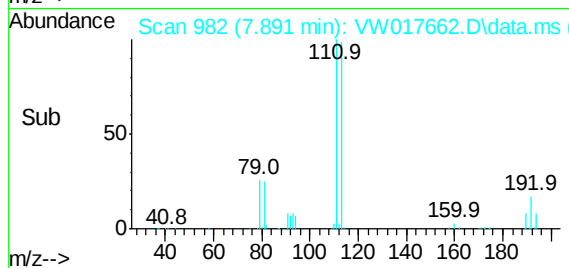
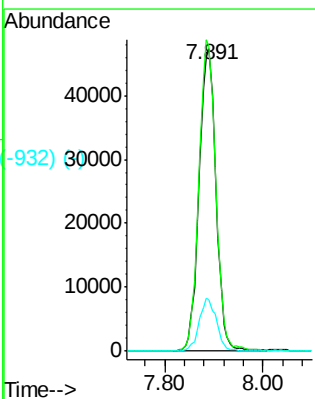
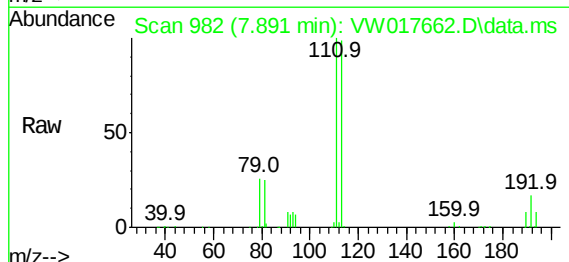
Instrument :  
MSVOA\_W  
ClientSampleId :  
DETENTION-LINE-2

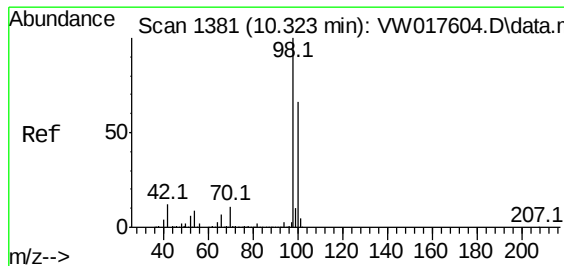
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 358961 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 21.8  | 0.0   | 35.6   |
| 88        | 15.6  | 0.0   | 30.4   |



#949 (-)  
Dibromofluoromethane  
Concen: 47.43 ug/l  
RT: 7.891 min Scan# 982  
Delta R.T. 0.007 min  
Lab File: VW017662.D  
Acq: 16 Dec 2020 14:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 112658 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.2 | 81.4  | 122.2  |
| 192       | 17.3  | 17.8  | 26.8#  |

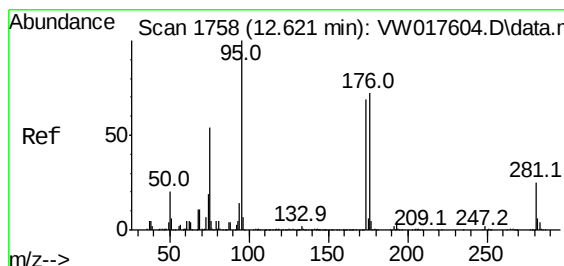
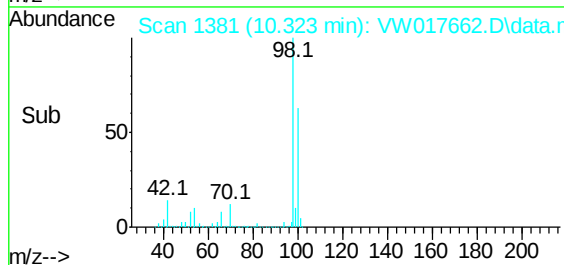
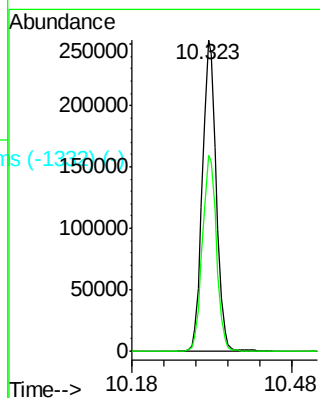
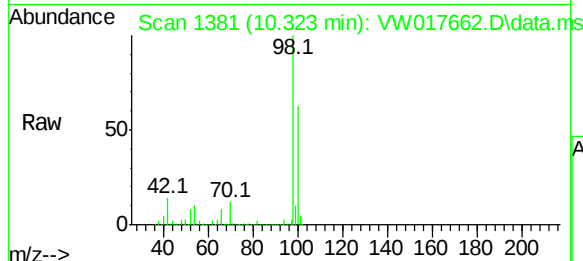




#50  
Toluene-d8  
Concen: 47.79 ug/l  
RT: 10.323 min Scan# 1381  
Delta R.T. 0.000 min  
Lab File: VW017662.D  
Acq: 16 Dec 2020 14:47

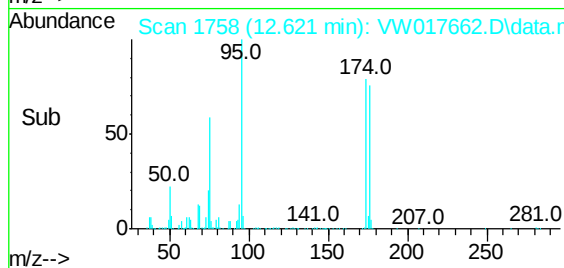
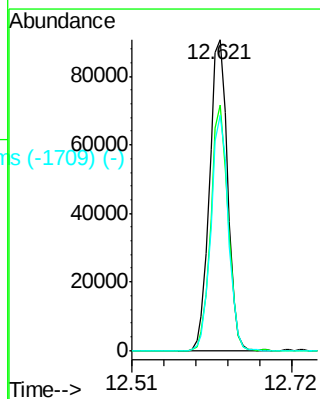
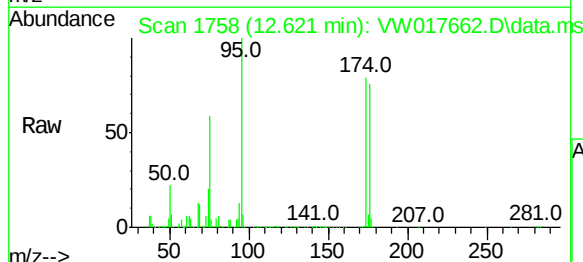
Instrument :  
MSVOA\_W  
ClientSampleId :  
DETENTION-LINE-2

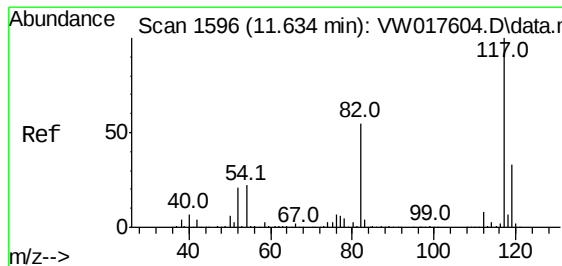
Tgt Ion: 98 Resp: 441965  
Ion Ratio Lower Upper  
98 100  
100 64.3 53.3 79.9



#62  
4-Bromofluorobenzene  
Concen: 44.90 ug/l  
RT: 12.621 min Scan# 1758  
Delta R.T. 0.000 min  
Lab File: VW017662.D  
Acq: 16 Dec 2020 14:47

Tgt Ion: 95 Resp: 148276  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 180.6  
176 72.8 0.0 177.6

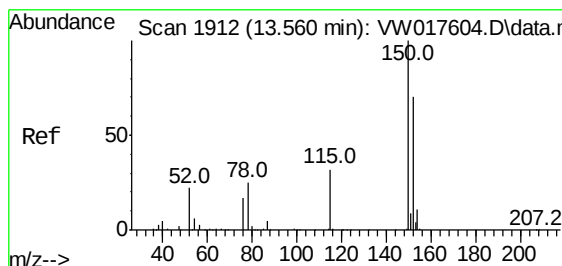
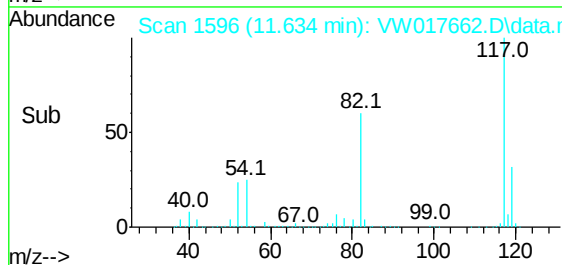
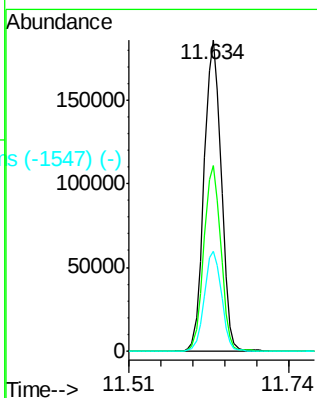
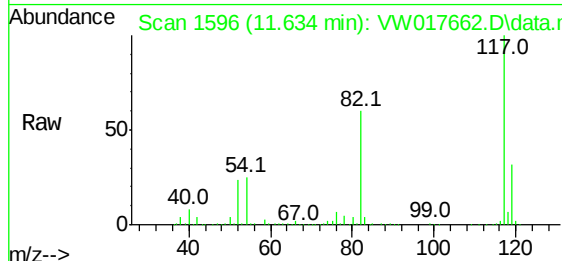




#6386 (-)  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.634 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: VW017662.D  
Acq: 16 Dec 2020 14:47

Instrument :  
MSVOA\_W  
ClientSampleId :  
DETENTION-LINE-2

Tgt Ion:117 Resp: 316345  
Ion Ratio Lower Upper  
117 100  
82 59.6 40.7 61.1  
119 32.2 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: VW017662.D  
Acq: 16 Dec 2020 14:47

Tgt Ion:152 Resp: 143891  
Ion Ratio Lower Upper  
152 100  
115 61.2 27.9 83.7  
150 159.2 0.0 344.0

