

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021221\  
 Data File : VN065850.D  
 Acq On : 12 Feb 2021 20:01  
 Operator : JC/MD  
 Sample : M1382-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-TT-VPB-RW6-GW-438-440

Quant Time: Feb 13 00:51:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:47:28 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.624  | 168  | 118203   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.547  | 114  | 233931   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.376 | 117  | 241588   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.315 | 152  | 91790    | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 7.987  | 65    | 72940    | 46.90    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 93.80%  |
| 35) Dibromofluoromethane    | 7.547  | 113   | 68640    | 49.51    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 99.02%  |
| 50) Toluene-d8              | 10.058 | 98    | 298856   | 54.84    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 109.68% |
| 62) 4-Bromofluorobenzene    | 12.373 | 95    | 114798   | 58.50    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 117.00% |

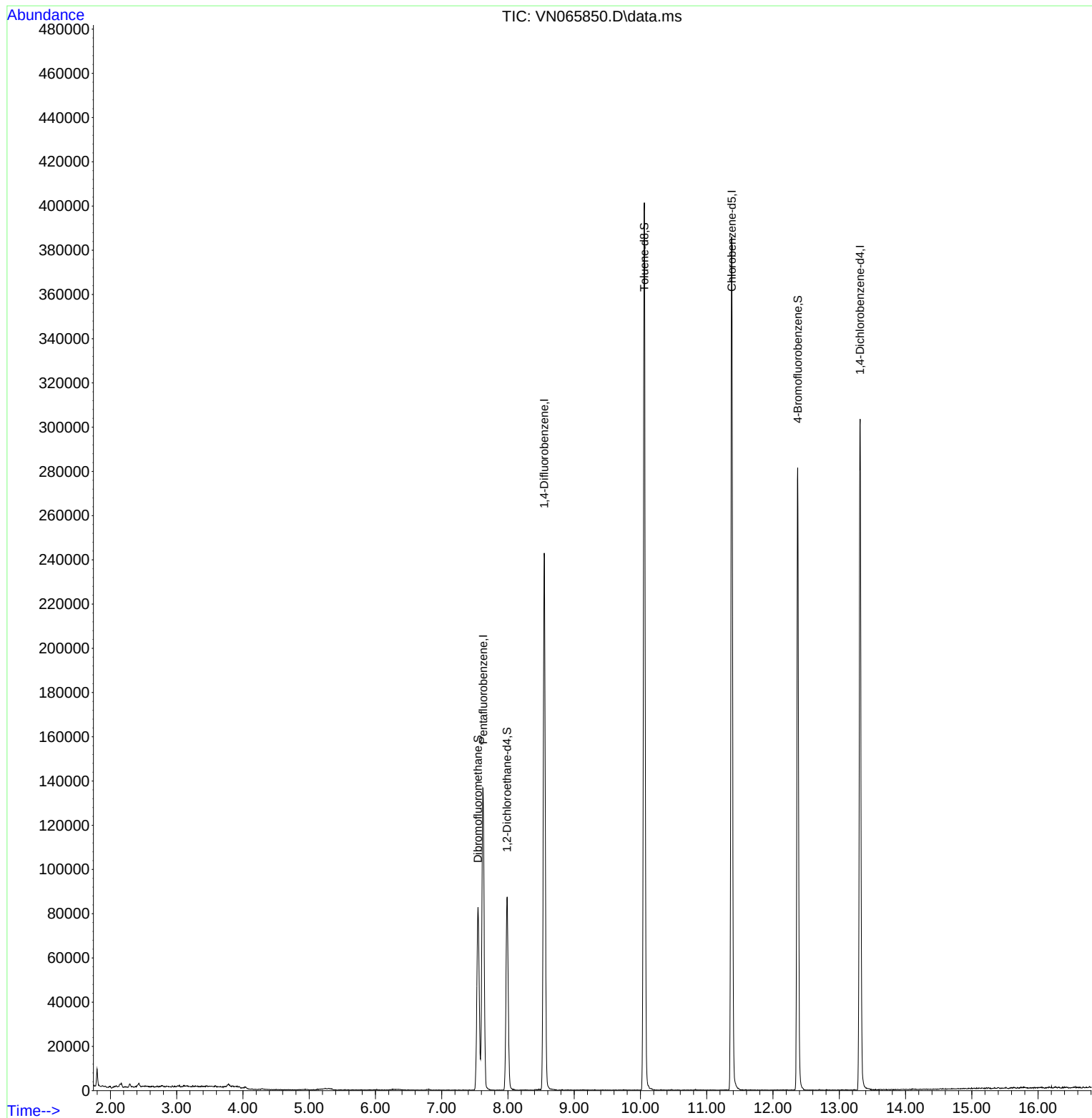
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

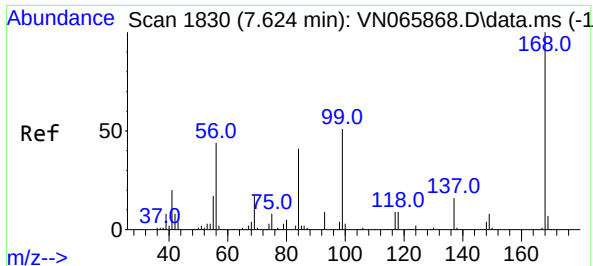
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-TT-VPB-RW6-GW-438-440

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Quant Title : SW846 8260  
QLast Update : Mon Jan 25 13:47:28 2021  
Response via : Initial Calibration

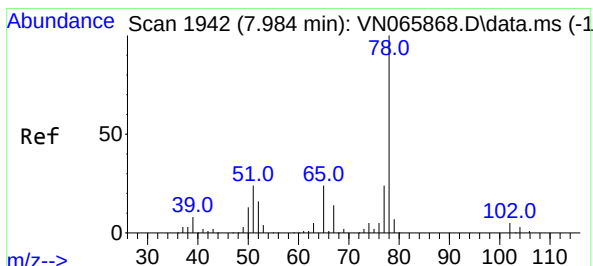
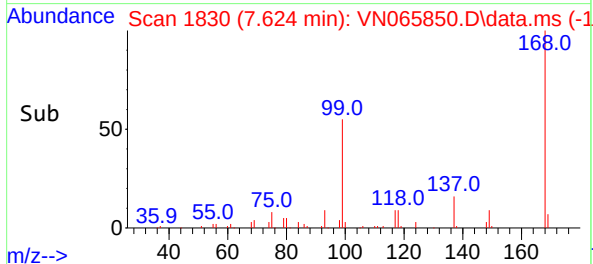
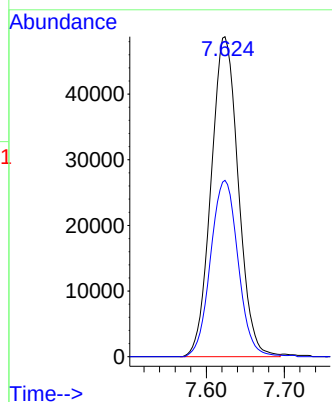
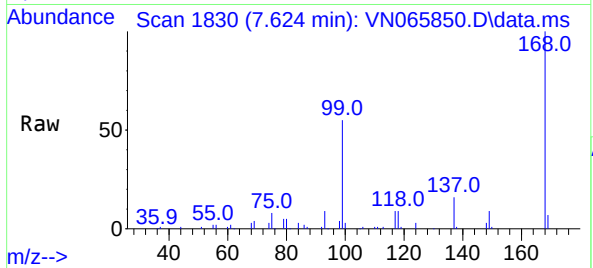




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.000 min  
Lab File: VN065850.D  
Acq: 12 Feb 2021 20:01

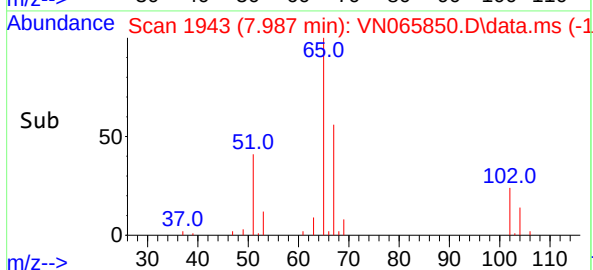
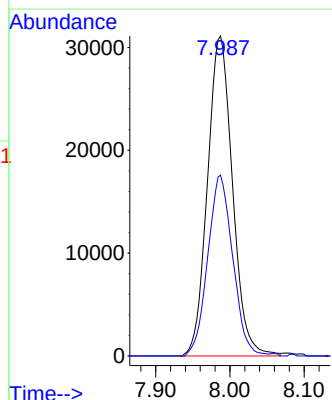
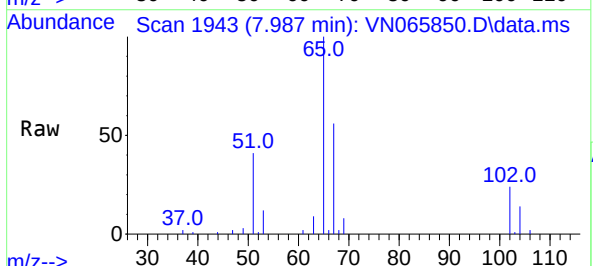
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-438-440

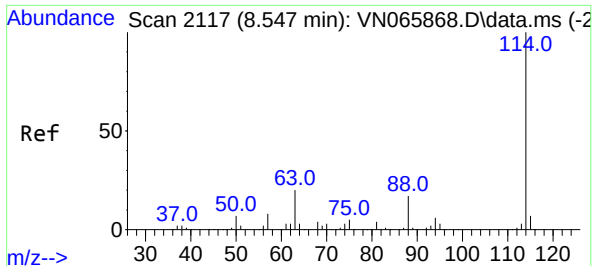
Tgt Ion:168 Resp: 118203  
Ion Ratio Lower Upper  
168 100  
99 55.1 42.6 63.8



#33  
1,2-Dichloroethane-d4  
Concen: 46.90 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN065850.D  
Acq: 12 Feb 2021 20:01

Tgt Ion: 65 Resp: 72940  
Ion Ratio Lower Upper  
65 100  
67 56.3 0.0 107.2



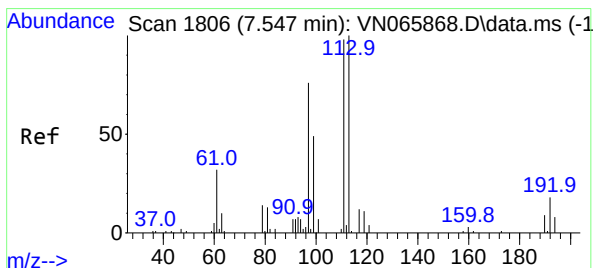
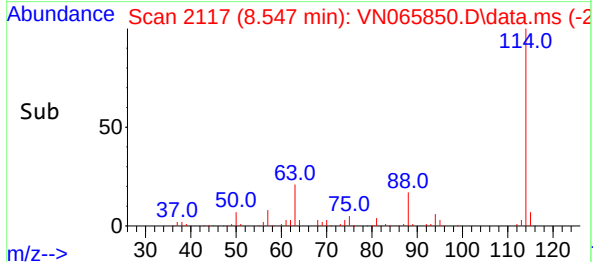
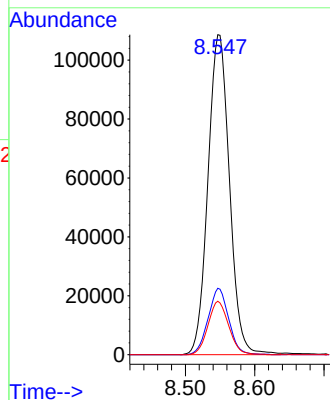
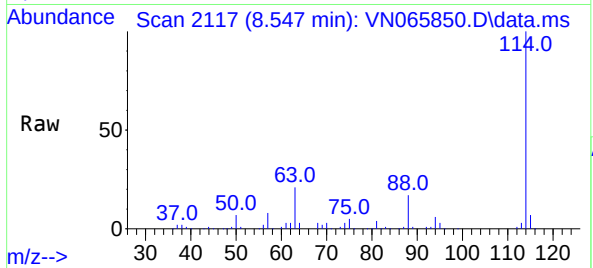


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.547 min Scan# 2117  
Delta R.T. -0.003 min  
Lab File: VN065850.D  
Acq: 12 Feb 2021 20:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-438-440

Tgt Ion:114 Resp: 233931

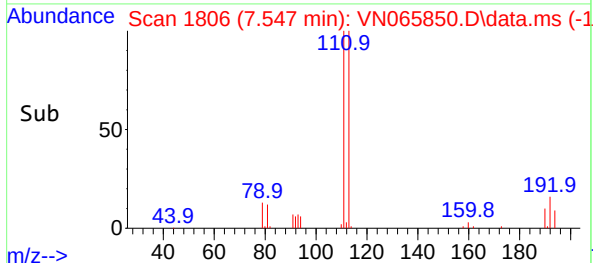
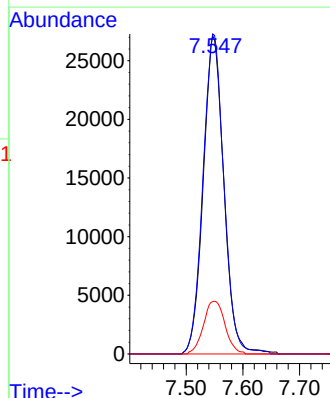
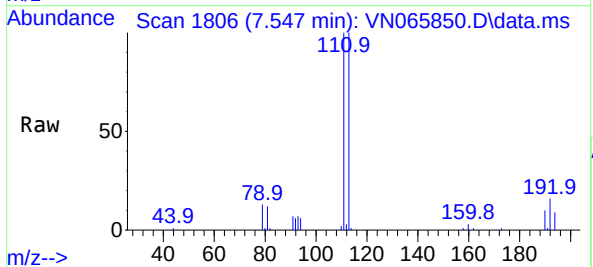
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.7  | 0.0   | 38.6  |
| 88  | 16.7  | 0.0   | 30.6  |

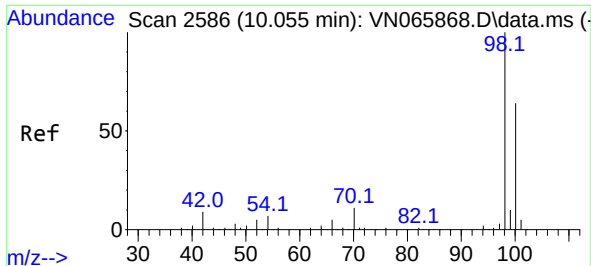


#35  
Dibromofluoromethane  
Concen: 49.51 ug/l  
RT: 7.547 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN065850.D  
Acq: 12 Feb 2021 20:01

Tgt Ion:113 Resp: 68640

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.3 | 82.2  | 123.2 |
| 192 | 17.3  | 15.4  | 23.0  |

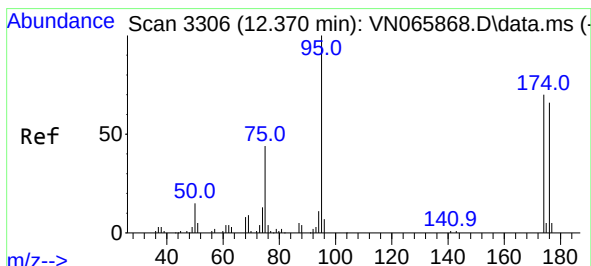
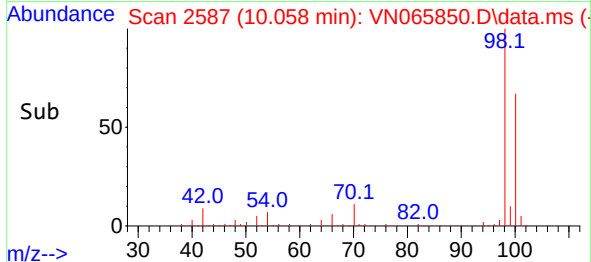
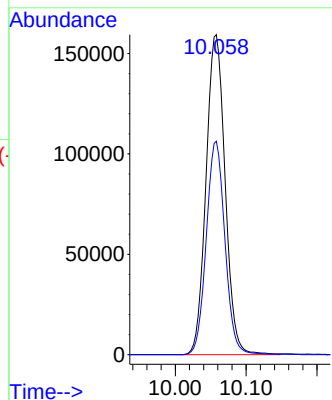
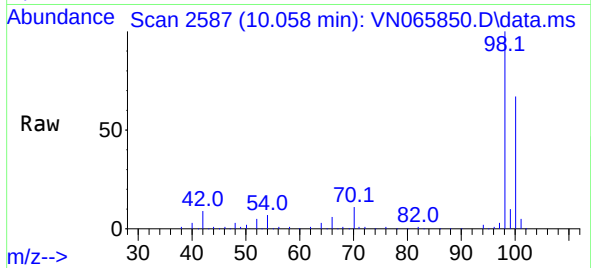




#50  
Toluene-d8  
Concen: 54.84 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. -0.000 min  
Lab File: VN065850.D  
Acq: 12 Feb 2021 20:01

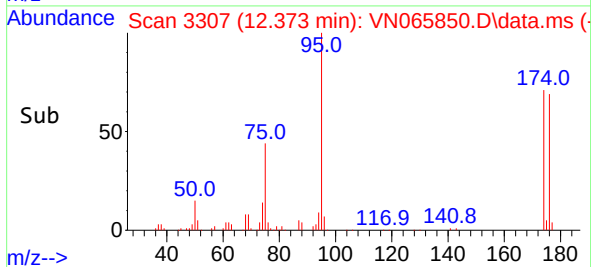
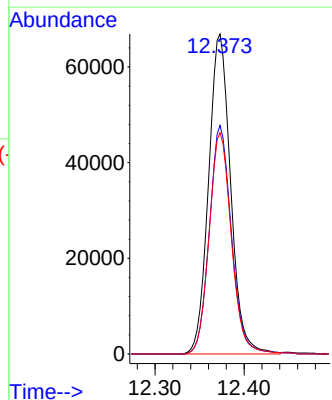
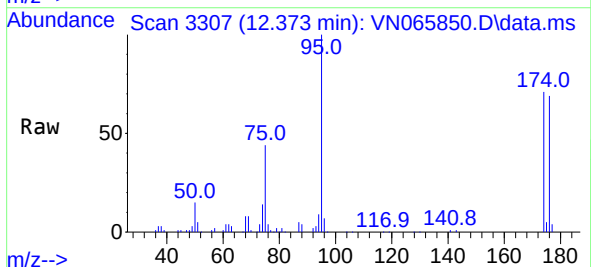
Instrument :  
MSVOA\_N  
ClientSampleId :  
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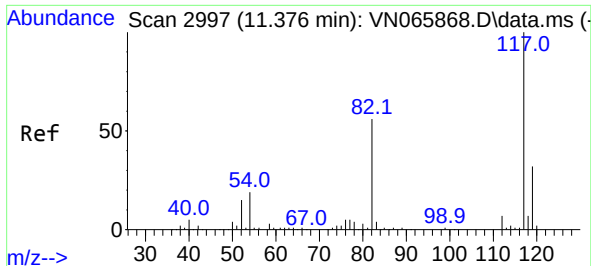
Tgt Ion: 98 Resp: 298856  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 58.50 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.000 min  
Lab File: VN065850.D  
Acq: 12 Feb 2021 20:01

Tgt Ion: 95 Resp: 114798  
Ion Ratio Lower Upper  
95 100  
174 71.7 0.0 169.0  
176 69.7 0.0 162.4

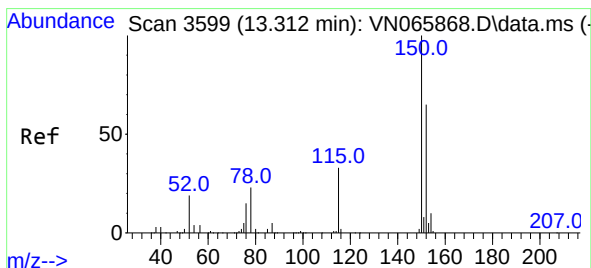
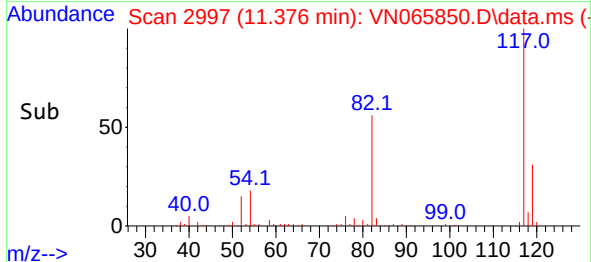
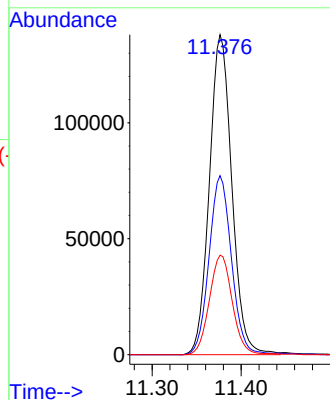
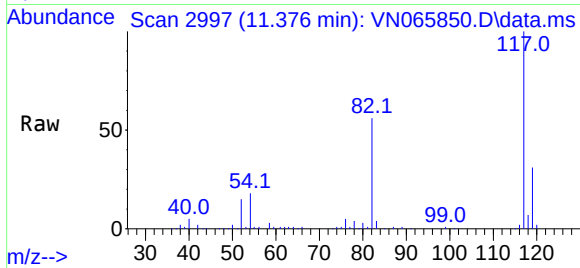




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065850.D  
Acq: 12 Feb 2021 20:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW6-GW-438-440

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 241588 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 55.9  | 43.7  | 65.5   |
| 119       | 31.1  | 26.1  | 39.1   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.315 min Scan# 3600  
Delta R.T. 0.003 min  
Lab File: VN065850.D  
Acq: 12 Feb 2021 20:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 91790 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 58.3  | 28.5  | 85.6  |
| 150       | 154.5 | 0.0   | 347.6 |

