

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012021\  
 Data File : VN065561.D  
 Acq On : 20 Jan 2021 10:48  
 Operator : JC/MD  
 Sample : VN0120WBL01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0120WBL01

Quant Time: Jan 21 01:20:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N011321W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jan 14 04:12:08 2021  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|--------|------|----------|-------|-------|----------|
| -----                   |        |      |          |       |       |          |
| Internal Standards      |        |      |          |       |       |          |
| 1) Bromochloromethane   | 7.155  | 128  | 34474    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.550  | 114  | 172403   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.379 | 117  | 151365   | 30.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 27) 1,2-Dichloroethane-d4   | 7.987  | 65    | 61346    | 28.48    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 94.93%  |
| 60) 4-Bromofluorobenzene    | 12.376 | 95    | 54809    | 23.91    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 79.70%  |
| 63) Toluene-d8              | 10.058 | 98    | 200863   | 30.32    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 101.07% |

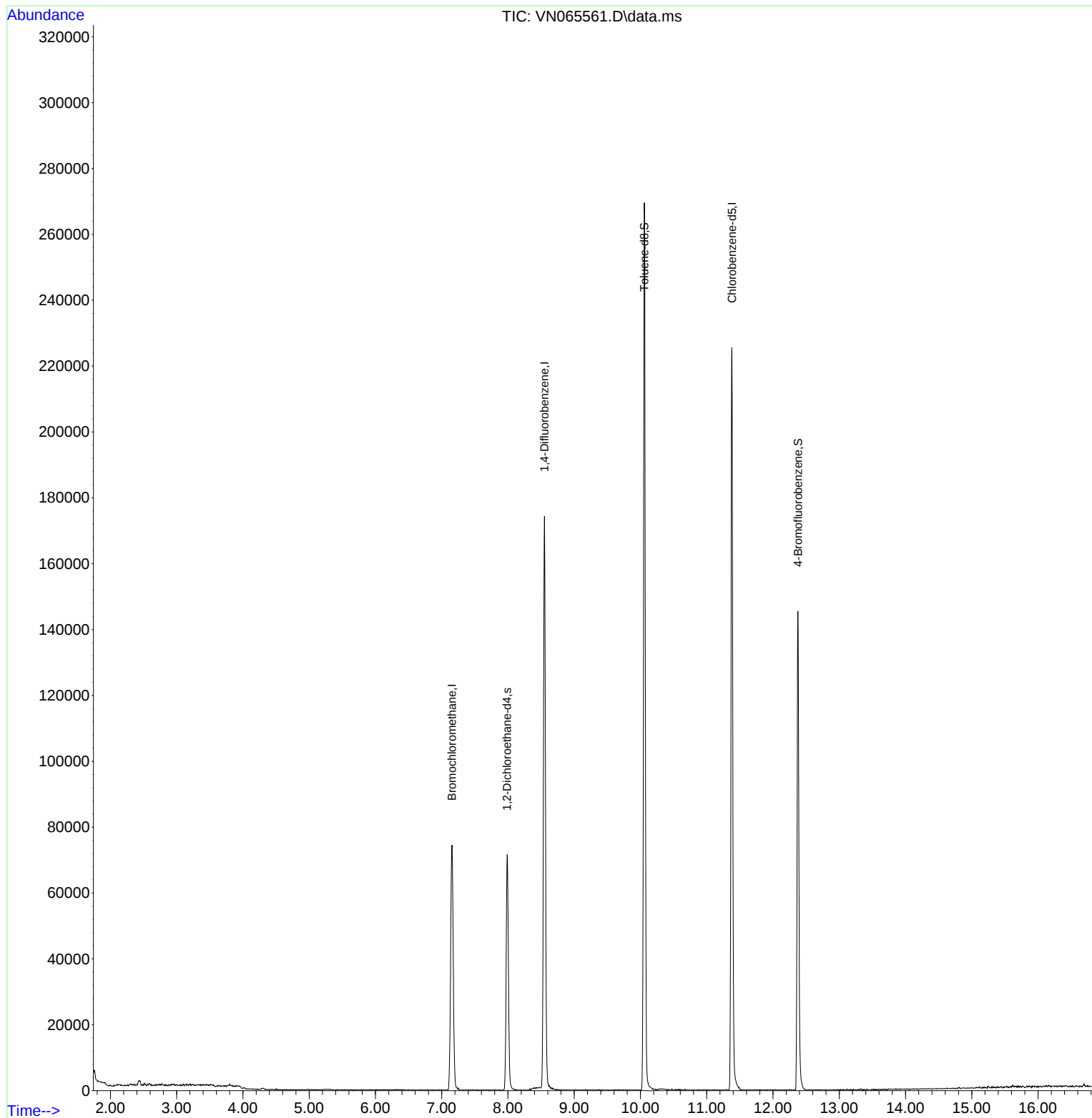
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

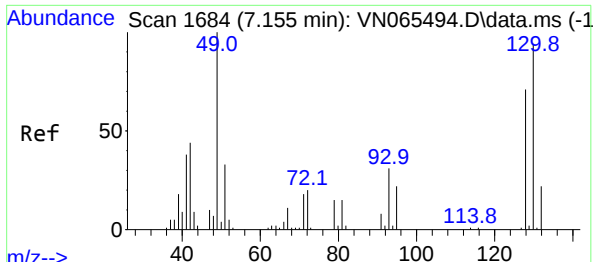
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

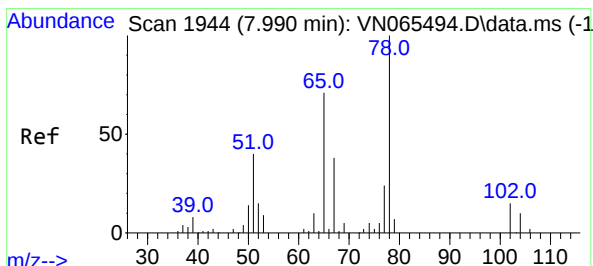
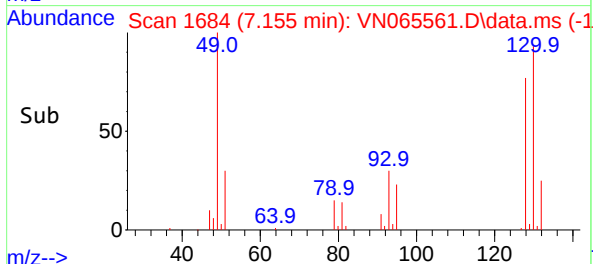
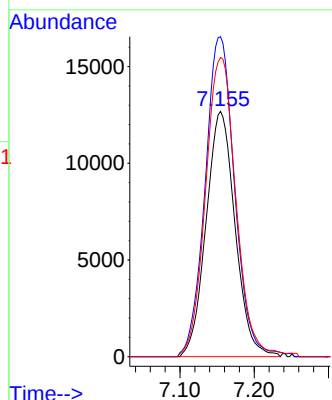
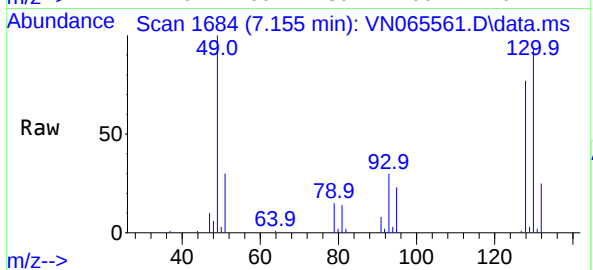




#1  
Bromochloromethane  
Concen: 30.00 ug/l  
RT: 7.155 min Scan# 1684  
Delta R.T. -0.000 min  
Lab File: VN065561.D  
Acq: 20 Jan 2021 10:48

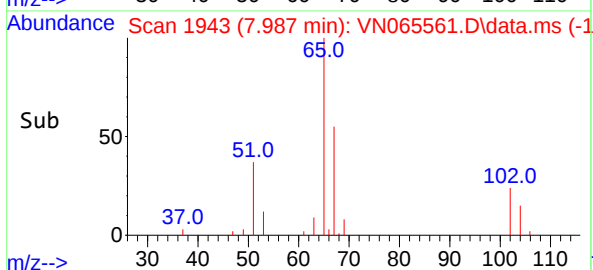
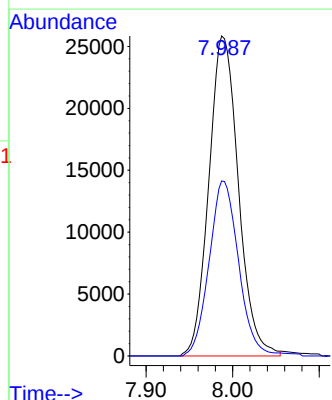
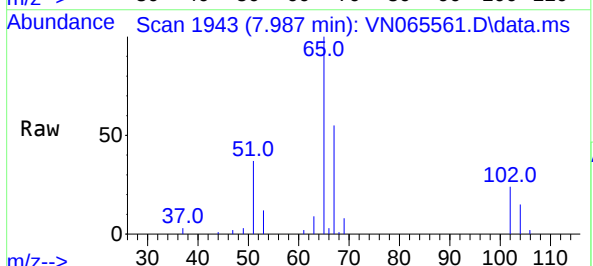
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0120WBL01

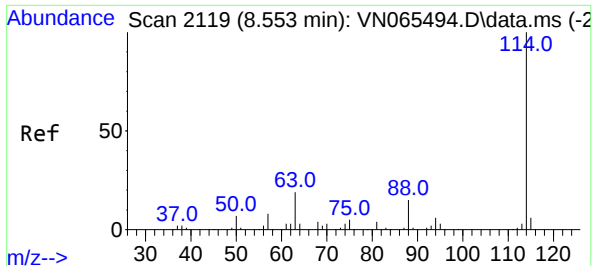
Tgt Ion:128 Resp: 34474  
Ion Ratio Lower Upper  
128 100  
49 133.0 0.0 355.0  
130 126.9 0.0 325.5



#27  
1,2-Dichloroethane-d4  
Concen: 28.48 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. -0.003 min  
Lab File: VN065561.D  
Acq: 20 Jan 2021 10:48

Tgt Ion: 65 Resp: 61346  
Ion Ratio Lower Upper  
65 100  
67 54.2 42.8 64.2



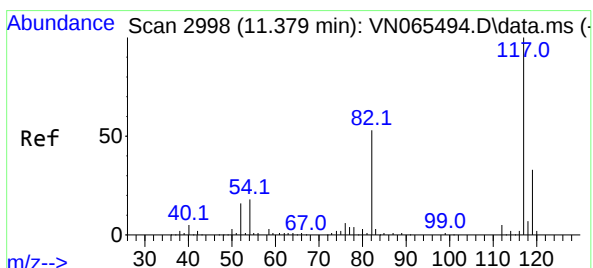
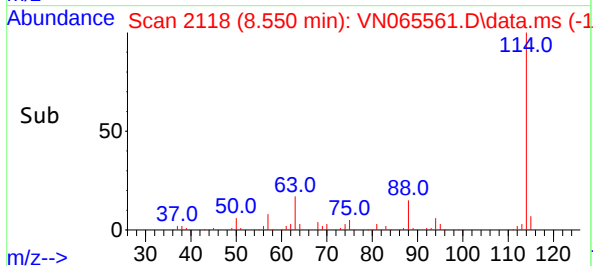
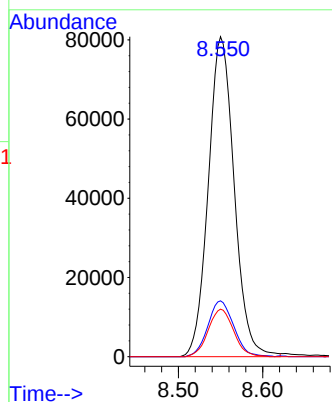
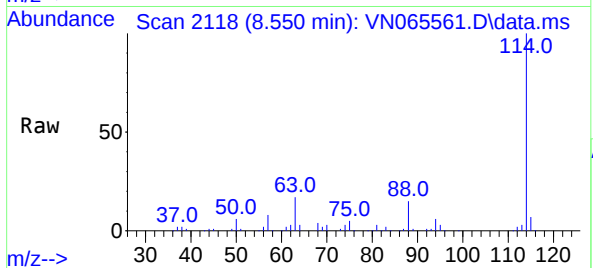


#28

1,4-Difluorobenzene  
Concen: 30.00 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. -0.003 min  
Lab File: VN065561.D  
Acq: 20 Jan 2021 10:48

Instrument :  
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ClientSampleId :  
VN0120WBL01

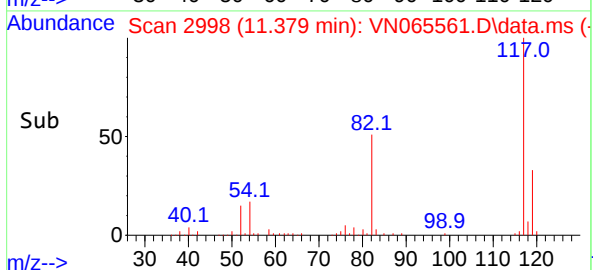
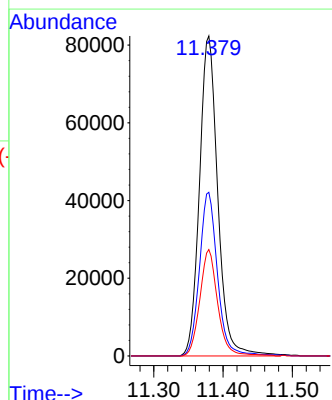
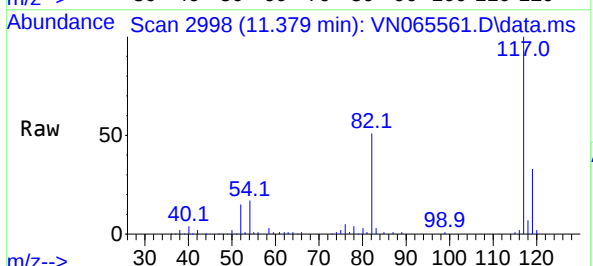
Tgt Ion:114 Resp: 172403  
Ion Ratio Lower Upper  
114 100  
63 17.5 14.7 22.1  
88 14.6 11.7 17.5

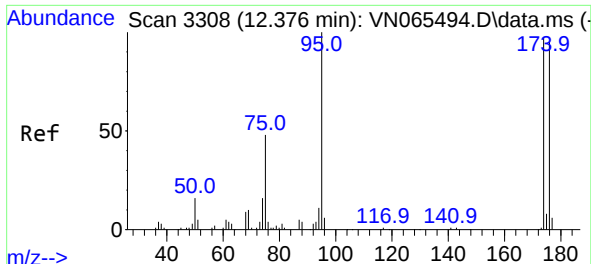


#57

Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.379 min Scan# 2998  
Delta R.T. 0.000 min  
Lab File: VN065561.D  
Acq: 20 Jan 2021 10:48

Tgt Ion:117 Resp: 151365  
Ion Ratio Lower Upper  
117 100  
82 50.6 41.3 61.9  
119 32.1 25.7 38.5

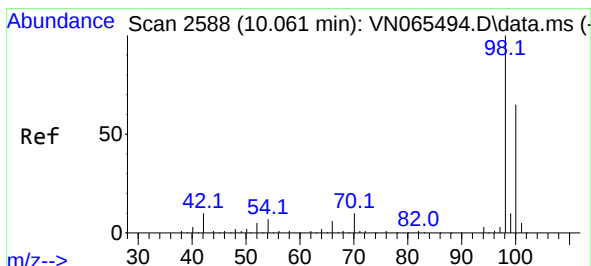
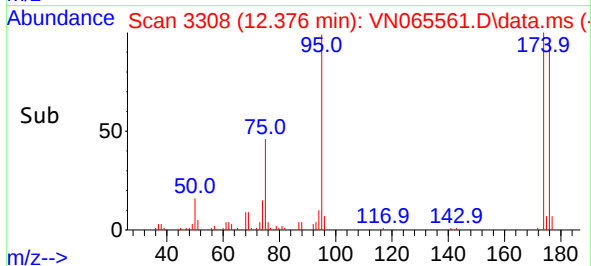
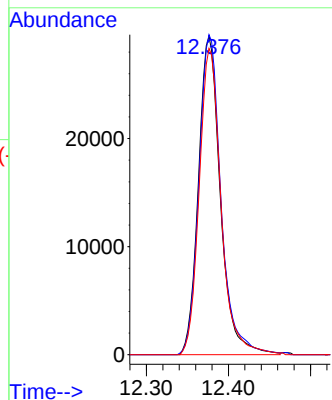
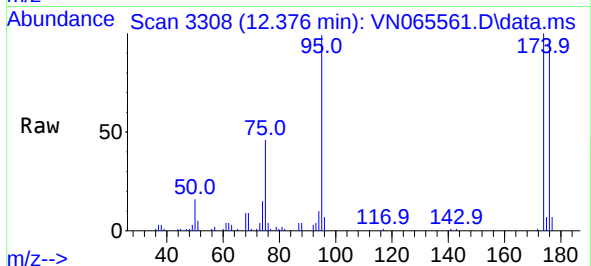




#60  
4-Bromofluorobenzene  
Concen: 23.91 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.000 min  
Lab File: VN065561.D  
Acq: 20 Jan 2021 10:48

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Tgt Ion: 95 Resp: 54809  
Ion Ratio Lower Upper  
95 100  
174 101.2 77.0 115.6  
176 95.6 75.8 113.6



#63  
Toluene-d8  
Concen: 30.32 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. -0.003 min  
Lab File: VN065561.D  
Acq: 20 Jan 2021 10:48

Tgt Ion: 98 Resp: 200863  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.9 77.9

