

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041321\  
 Data File : VN066586.D  
 Acq On : 13 Apr 2021 18:41  
 Operator : JC/MD  
 Sample : M2021-04  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Apr 14 13:11:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N041321W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Apr 14 12:32:37 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Bromochloromethane       | 7.102  | 128   | 50480    | 30.00    | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene     | 8.510  | 114   | 224538   | 30.00    | ug/l  | 0.00     |
| 57) Chlorobenzene-d5        | 11.347 | 117   | 210956   | 30.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 27) 1,2-Dichloroethane-d4   | 7.944  | 65    | 139814   | 30.04    | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =     | 100.13%  |
| 60) 4-Bromofluorobenzene    | 12.348 | 95    | 69561    | 21.65    | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =     | 72.17%   |
| 63) Toluene-d8              | 10.025 | 98    | 291932   | 28.88    | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =     | 96.27%   |

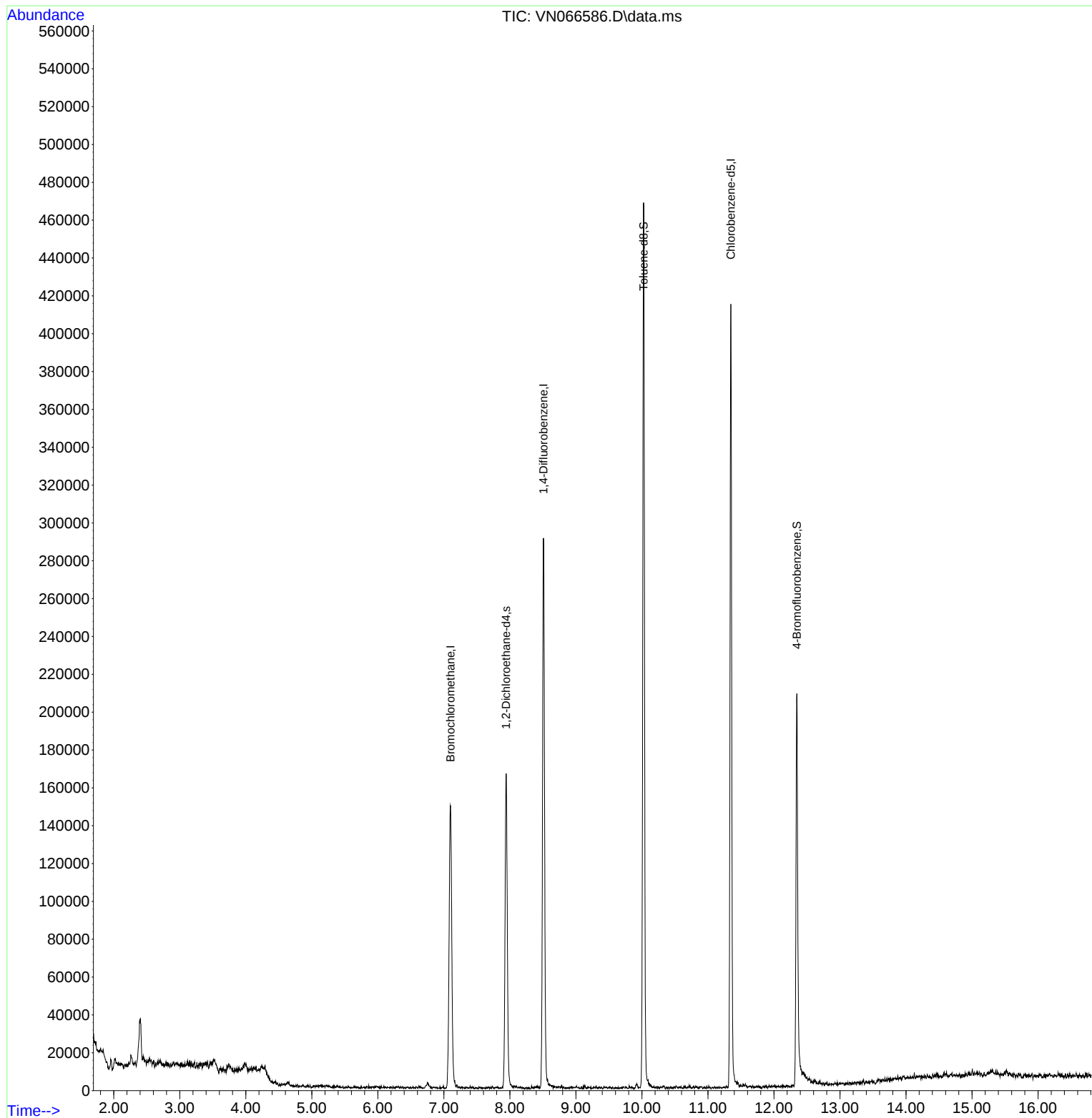
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

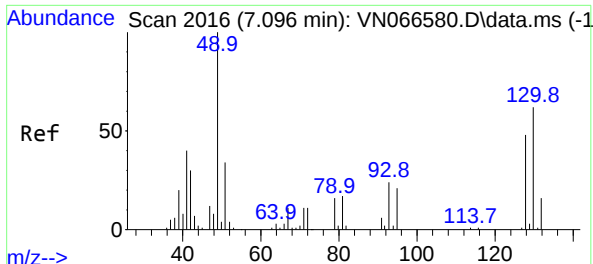
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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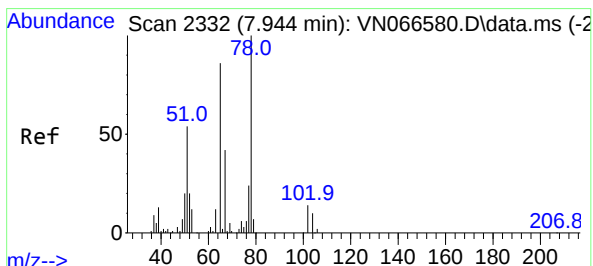
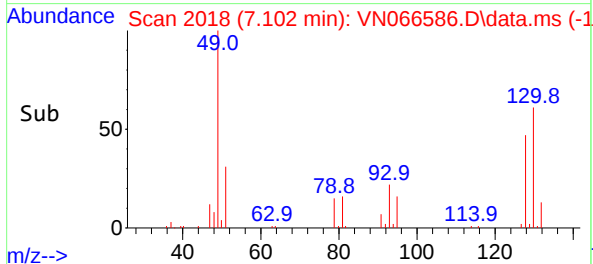
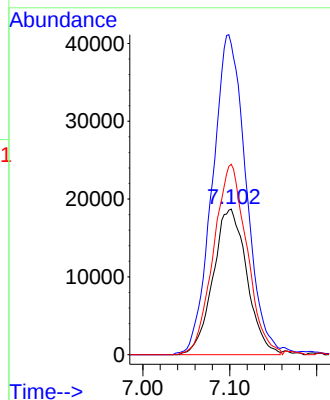
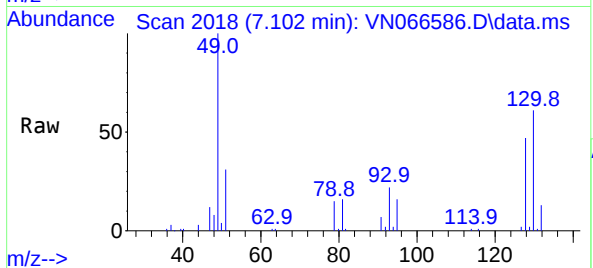




#1  
Bromochloromethane  
Concen: 30.00 ug/l  
RT: 7.102 min Scan# 2018  
Delta R.T. -0.005 min  
Lab File: VN066586.D  
Acq: 13 Apr 2021 18:41

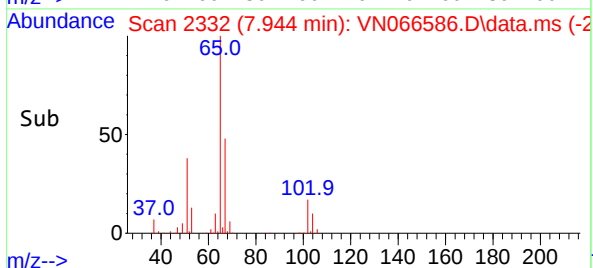
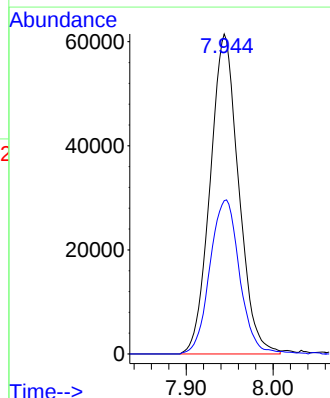
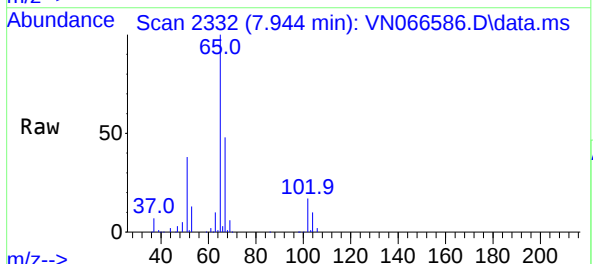
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

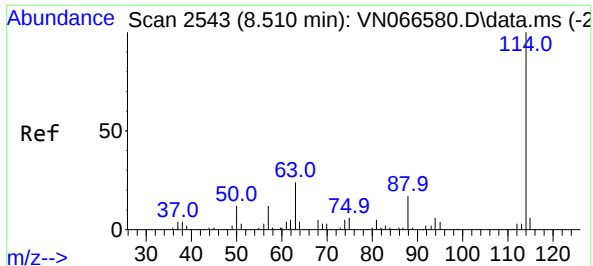
Tgt Ion:128 Resp: 50480  
Ion Ratio Lower Upper  
128 100  
49 218.3 0.0 429.3  
130 129.3 0.0 328.5



#27  
1,2-Dichloroethane-d4  
Concen: 30.04 ug/l  
RT: 7.944 min Scan# 2332  
Delta R.T. -0.003 min  
Lab File: VN066586.D  
Acq: 13 Apr 2021 18:41

Tgt Ion: 65 Resp: 139814  
Ion Ratio Lower Upper  
65 100  
67 50.0 42.2 63.4



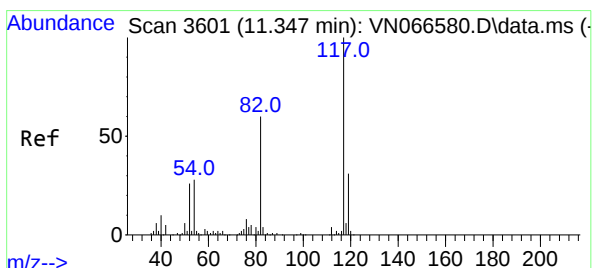
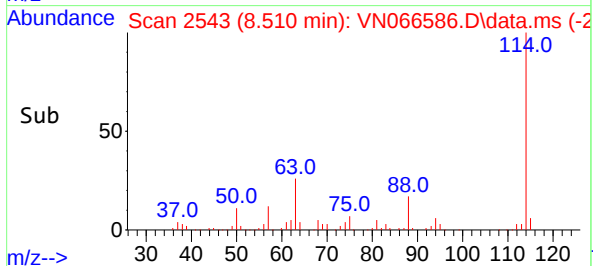
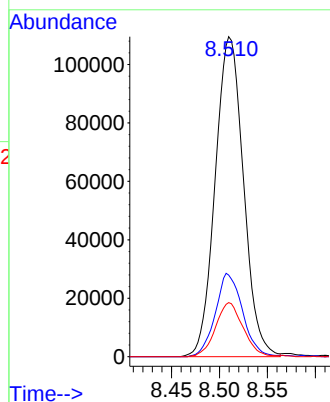
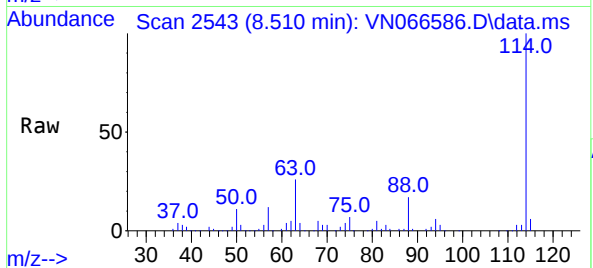


#28  
1,4-Difluorobenzene  
Concen: 30.00 ug/l  
RT: 8.510 min Scan# 2543  
Delta R.T. -0.003 min  
Lab File: VN066586.D  
Acq: 13 Apr 2021 18:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

Tgt Ion:114 Resp: 224538

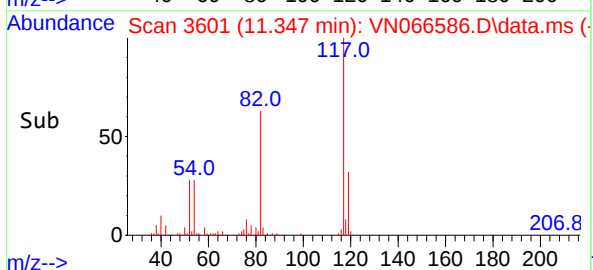
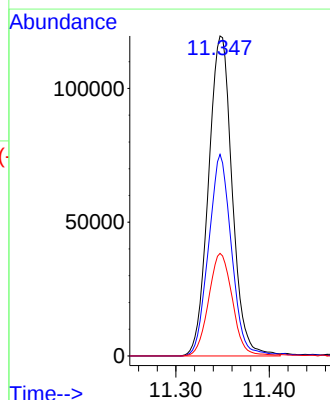
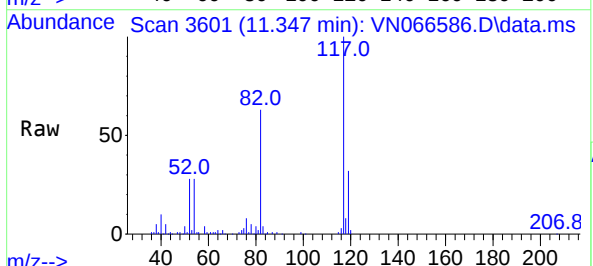
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 25.1  | 17.4  | 26.0  |
| 88  | 16.5  | 12.6  | 19.0  |

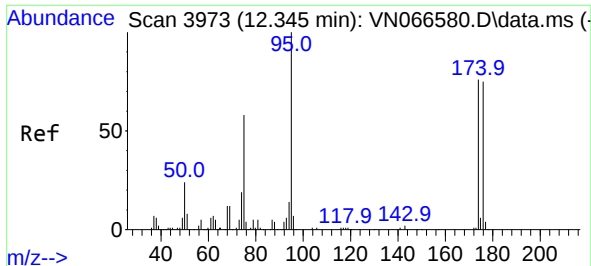


#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.347 min Scan# 3601  
Delta R.T. -0.003 min  
Lab File: VN066586.D  
Acq: 13 Apr 2021 18:41

Tgt Ion:117 Resp: 210956

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 61.0  | 45.0  | 67.6  |
| 119 | 32.2  | 25.5  | 38.3  |

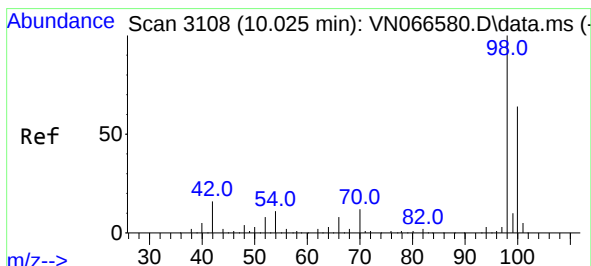
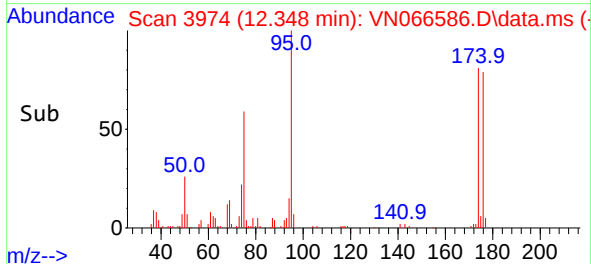
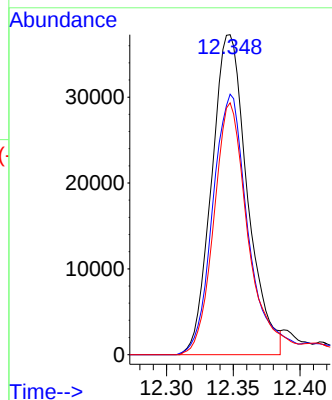
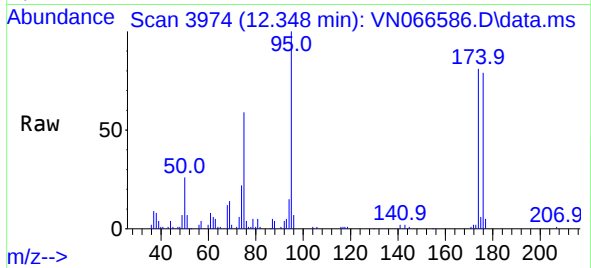




#60  
4-Bromofluorobenzene  
Concen: 21.65 ug/l  
RT: 12.348 min Scan# 3974  
Delta R.T. 0.003 min  
Lab File: VN066586.D  
Acq: 13 Apr 2021 18:41

Instrument :  
MSVOA\_N  
ClientSampled :  
TRIP-BLANK

Tgt Ion: 95 Resp: 69561  
Ion Ratio Lower Upper  
95 100  
174 81.2 68.1 102.1  
176 75.9 65.4 98.0



#63  
Toluene-d8  
Concen: 28.88 ug/l  
RT: 10.025 min Scan# 3108  
Delta R.T. -0.000 min  
Lab File: VN066586.D  
Acq: 13 Apr 2021 18:41

Tgt Ion: 98 Resp: 291932  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.1 76.7

