

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032422\  
 Data File : VN071518.D  
 Acq On : 24 Mar 2022 13:32  
 Operator : JC\MD  
 Sample : VN0324WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0324WBL01

Quant Time: Mar 24 13:49:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N032422W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Mar 24 12:03:44 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 7.657  | 128  | 99157    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.963  | 114  | 552878   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.739 | 117  | 451412   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 27) 1,2-Dichloroethane-d4   | 8.434  | 65    | 217144   | 31.082   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 103.600% |
| 60) 4-Bromofluorobenzene    | 12.727 | 95    | 160668   | 24.004   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 80.000%  |
| 63) Toluene-d8              | 10.439 | 98    | 648743   | 31.659   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 105.533% |

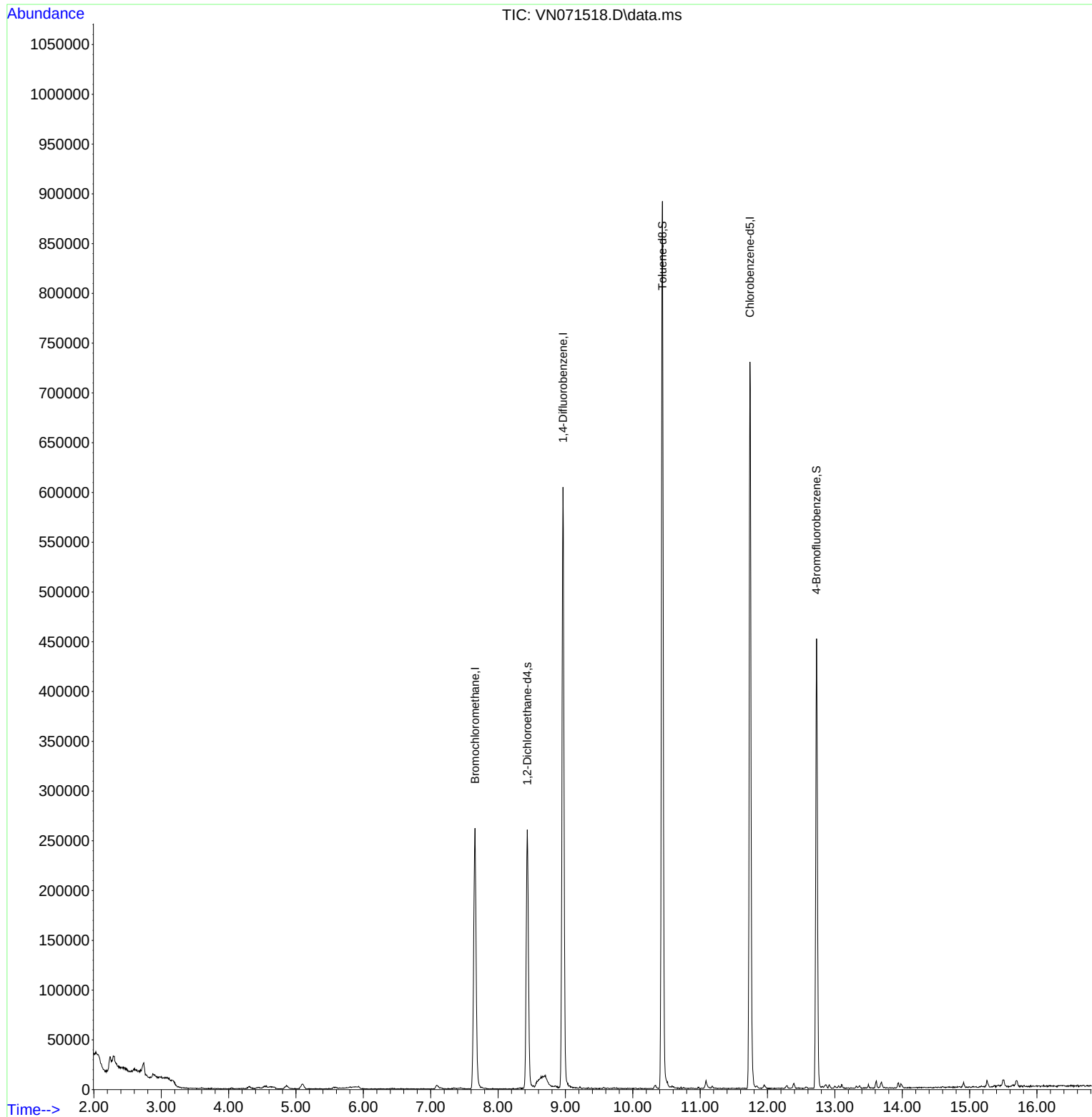
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

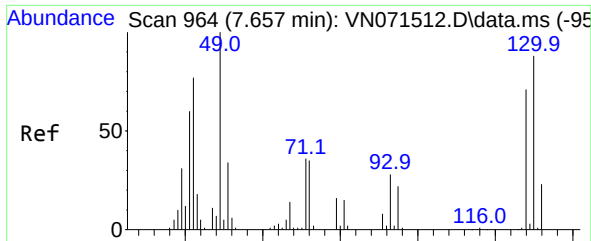
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0324WBL01

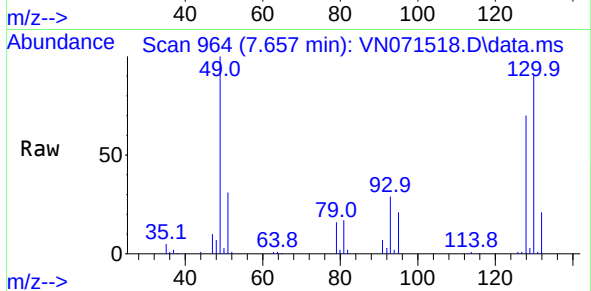
Quant Time: Mar 24 13:49:49 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N032422W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu Mar 24 12:03:44 2022  
Response via : Initial Calibration



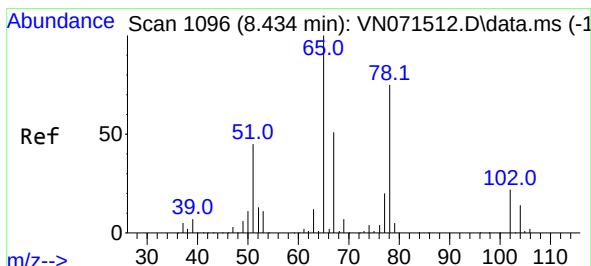
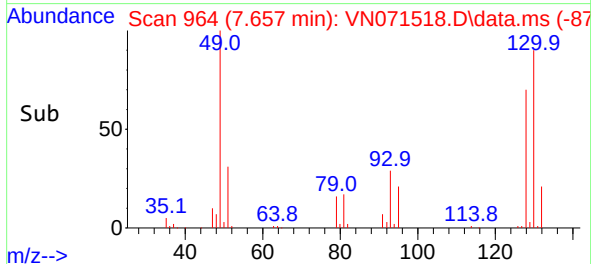
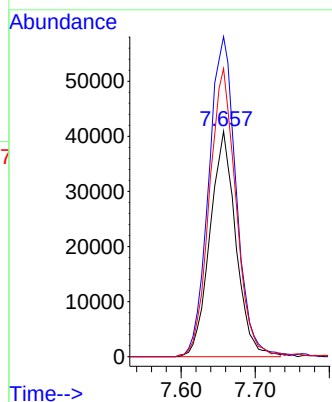


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.657 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VN071518.D  
Acq: 24 Mar 2022 13:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0324WBL01

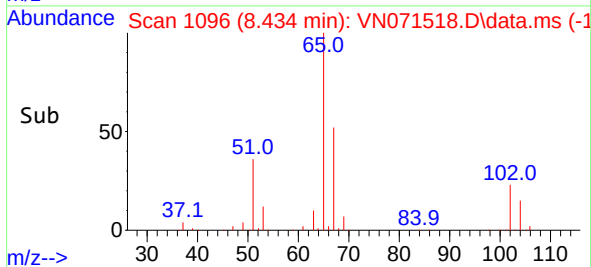
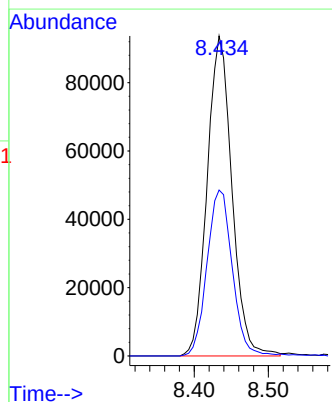
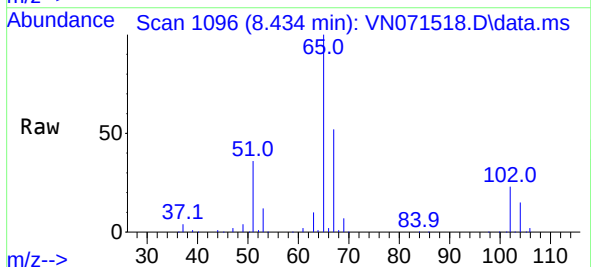


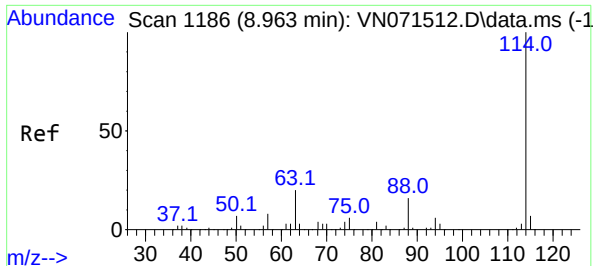
Tgt Ion:128 Resp: 99157  
Ion Ratio Lower Upper  
128 100  
49 150.8 0.0 392.3  
130 131.3 0.0 320.2



#27  
1,2-Dichloroethane-d4  
Concen: 31.082 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. -0.000 min  
Lab File: VN071518.D  
Acq: 24 Mar 2022 13:32

Tgt Ion: 65 Resp: 217144  
Ion Ratio Lower Upper  
65 100  
67 52.8 40.2 60.2



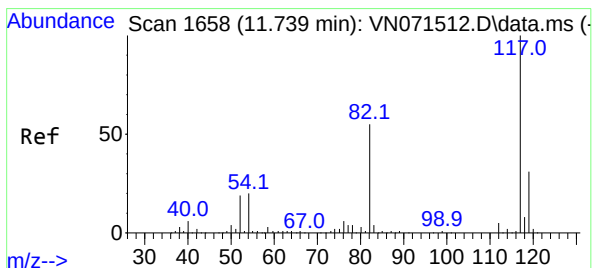
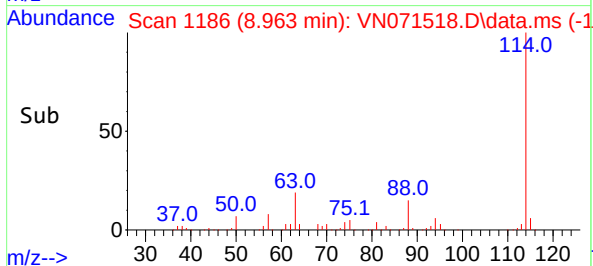
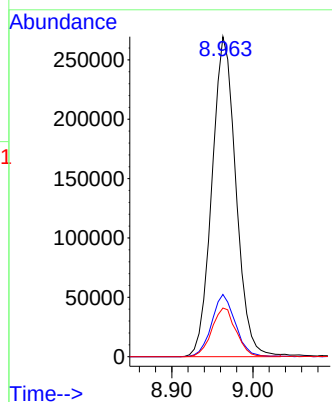
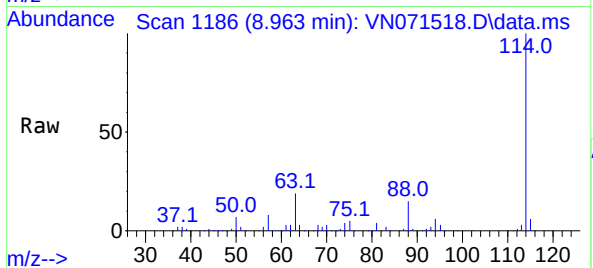


#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN071518.D  
Acq: 24 Mar 2022 13:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0324WBL01

Tgt Ion:114 Resp: 552878

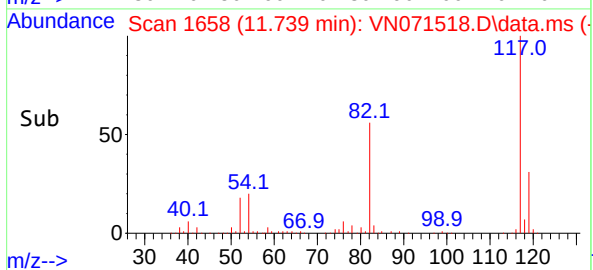
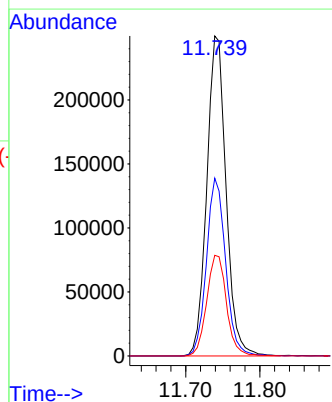
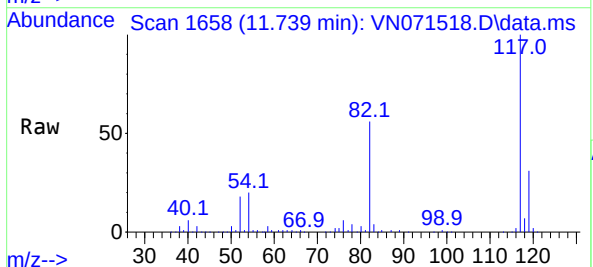
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.3  | 15.8  | 23.6  |
| 88  | 15.5  | 11.6  | 17.4  |

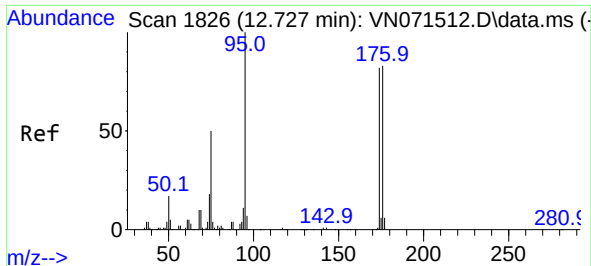


#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. -0.000 min  
Lab File: VN071518.D  
Acq: 24 Mar 2022 13:32

Tgt Ion:117 Resp: 451412

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 55.3  | 43.6  | 65.4  |
| 119 | 32.4  | 25.8  | 38.6  |

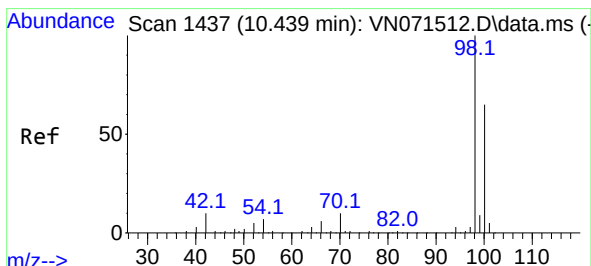
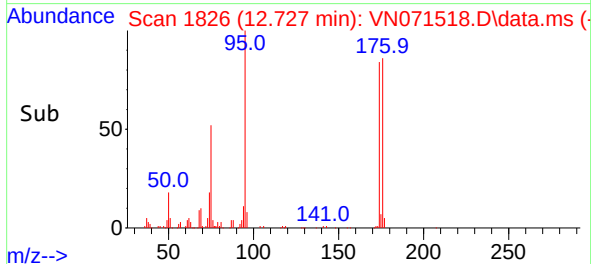
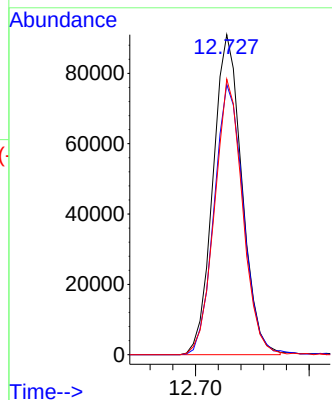
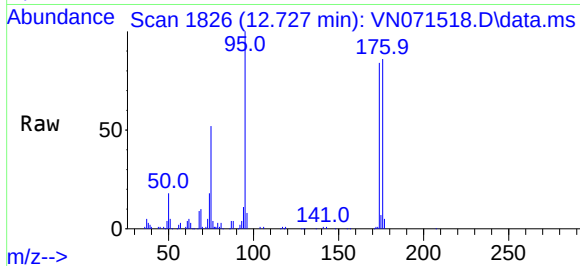




#60  
4-Bromofluorobenzene  
Concen: 24.004 ug/l  
RT: 12.727 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN071518.D  
Acq: 24 Mar 2022 13:32

Instrument :  
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VN0324WBL01

Tgt Ion: 95 Resp: 160668  
Ion Ratio Lower Upper  
95 100  
174 85.5 62.9 94.3  
176 83.3 61.0 91.4



#63  
Toluene-d8  
Concen: 31.659 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. -0.000 min  
Lab File: VN071518.D  
Acq: 24 Mar 2022 13:32

Tgt Ion: 98 Resp: 648743  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.6 76.0

