

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\  
 Data File : VN063076.D  
 Acq On : 21 Aug 2020 13:24  
 Operator : JC/MD  
 Sample : L3741-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DSN-002-SEWER-OUTLET-002

Quant Time: Aug 22 01:15:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Aug 20 14:01:17 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.15  | 128  | 29583    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.55  | 114  | 145523   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.38 | 117  | 136296   | 30.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4   | 7.99   | 65    | 65857    | 31.42    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 50 - 169 | Recovery | =    | 104.73% |
| 60) 4-Bromofluorobenzene    | 12.38  | 95    | 50324    | 23.37    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 56 - 143 | Recovery | =    | 77.90%  |
| 63) Toluene-d8              | 10.06  | 98    | 179574   | 28.71    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 66 - 137 | Recovery | =    | 95.70%  |

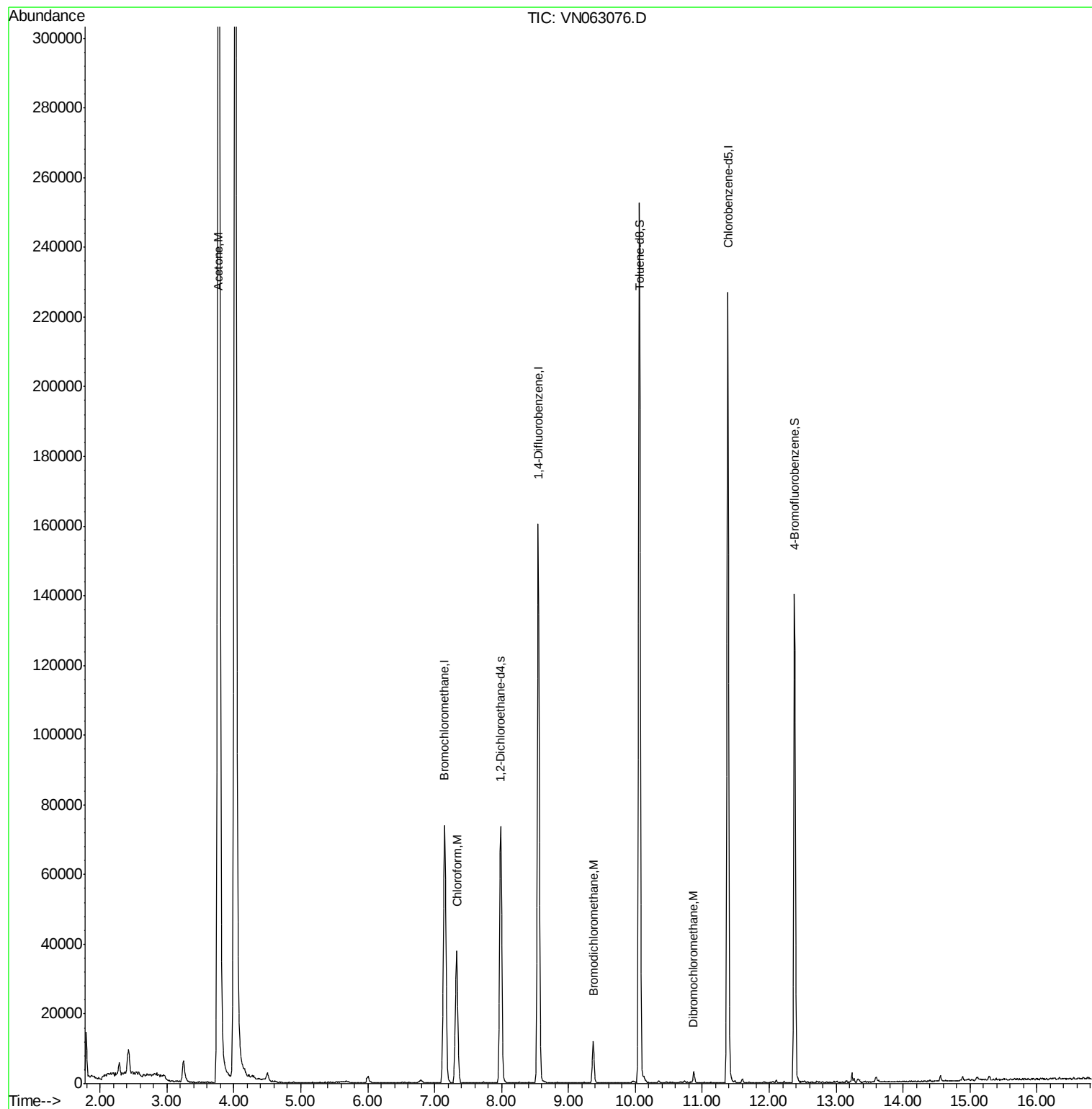
| Target Compounds         |       |     |        |          | Ovalue  |
|--------------------------|-------|-----|--------|----------|---------|
| 15) Acetone              | 3.77  | 58  | 272637 | 1169.143 | ug/l 97 |
| 25) Chloroform           | 7.33  | 83  | 41132  | 12.685   | ug/l 95 |
| 41) Bromodichloromethane | 9.37  | 83  | 9191   | 3.624    | ug/l 97 |
| 53) Dibromochloromethane | 10.87 | 129 | 2156   | 1.113    | ug/l 96 |

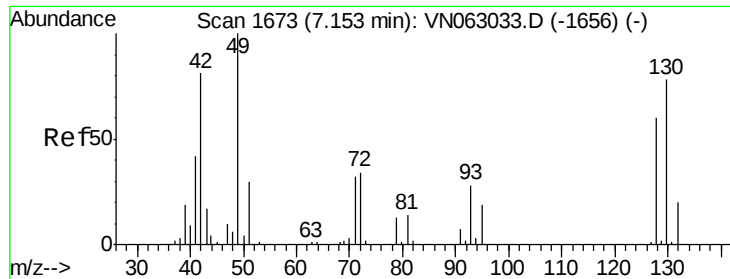
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
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Response via : Initial Calibration

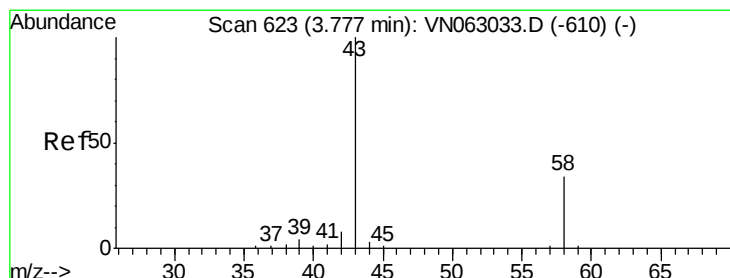
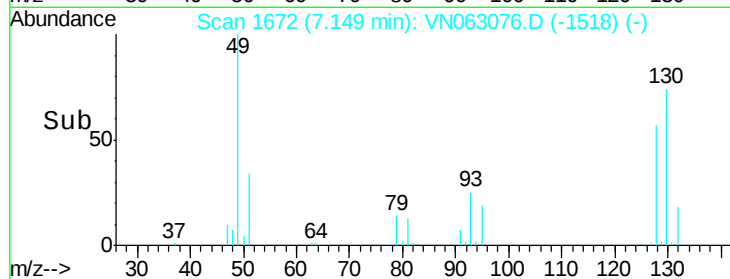
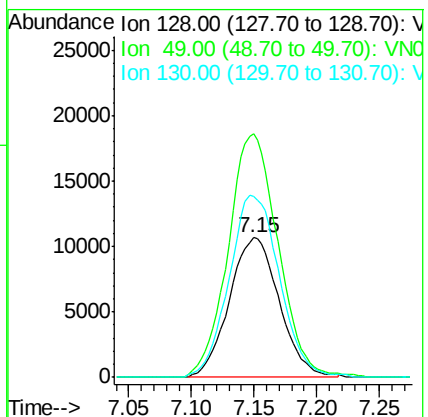
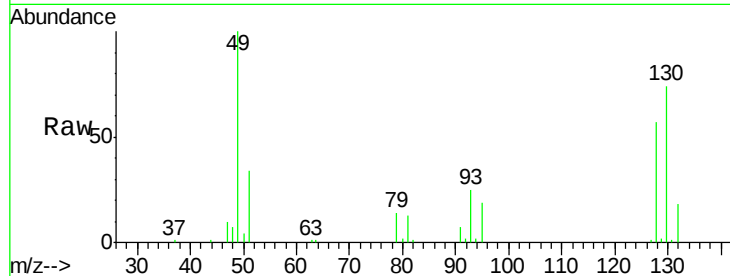




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.15 min Scan# 1672  
Delta R.T. -0.00 min  
Lab File: VN063076.D  
Acq: 21 Aug 2020 13:24

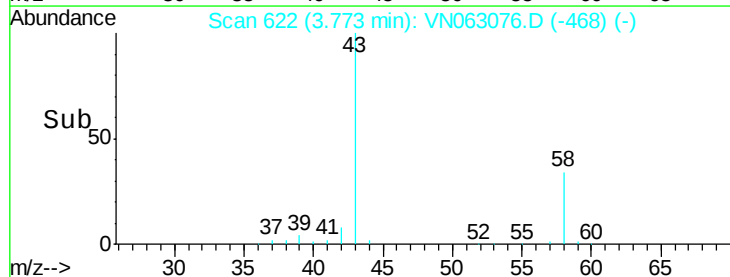
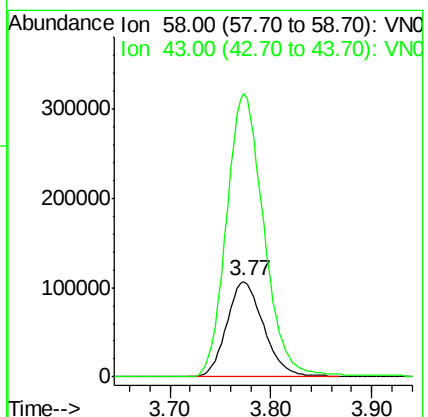
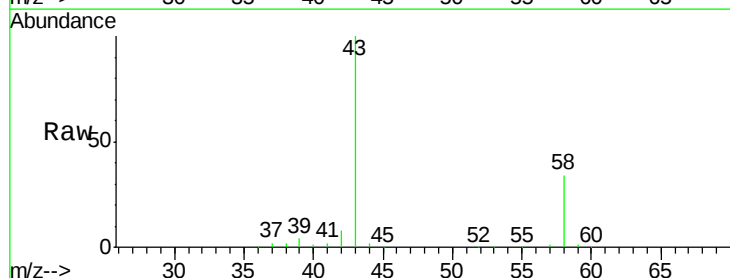
Instrument :  
MSVOA\_N  
ClientSampleId :  
DSN-002-SEWER-OUTLET-002

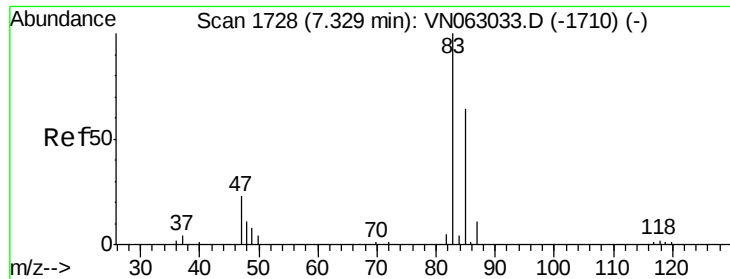
Tot Ion:128 Resp: 29583  
Ion Ratio Lower Upper  
128 100  
49 173.9 0.0 437.5  
130 131.4 0.0 327.3



#15  
Acetone  
Concen: 1169.143 ug/l  
RT: 3.77 min Scan# 622  
Delta R.T. -0.00 min  
Lab File: VN063076.D  
Acq: 21 Aug 2020 13:24

Tgt Ion: 58 Resp: 272637  
Ion Ratio Lower Upper  
58 100  
43 297.0 233.2 349.8

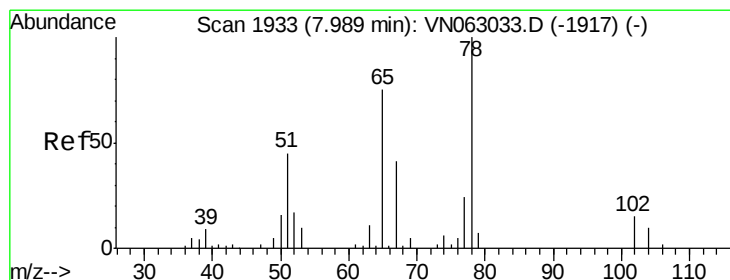
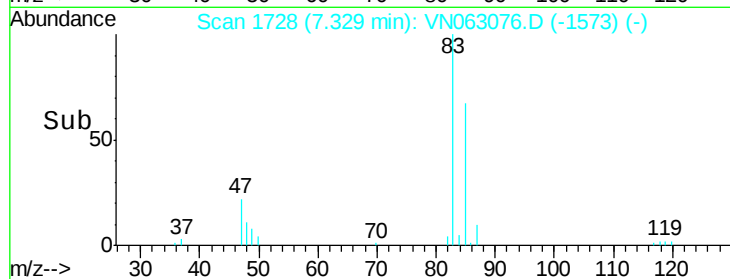
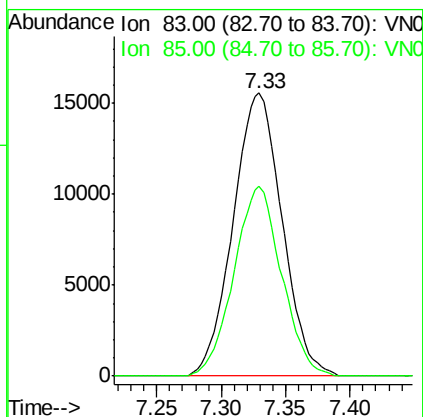
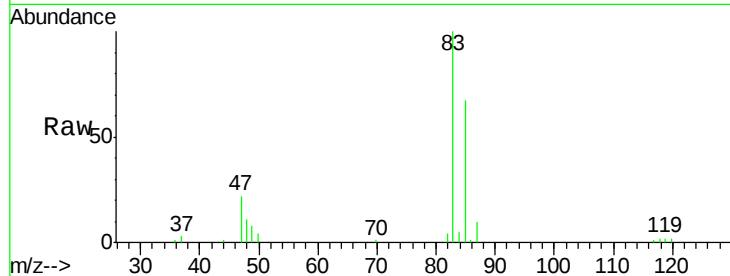




#25  
Chloroform  
Concen: 12.685 ug/l  
RT: 7.33 min Scan# 1728  
Delta R.T. -0.00 min  
Lab File: VN063076.D  
Acq: 21 Aug 2020 13:24

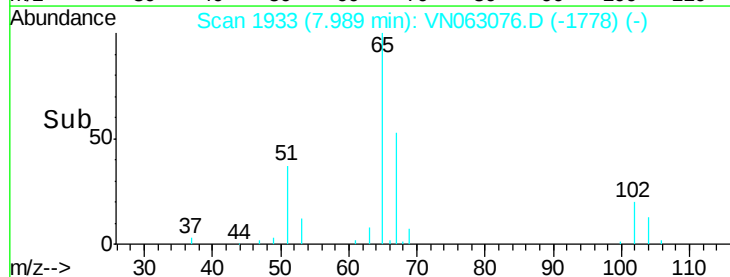
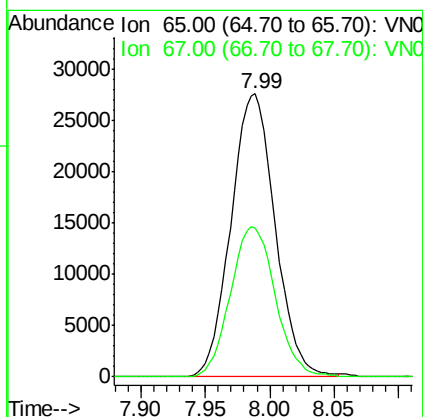
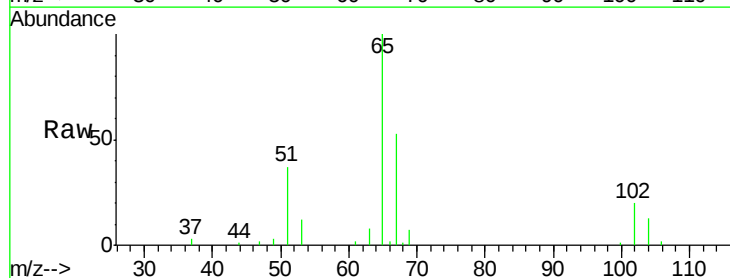
Instrument :  
MSVOA\_N  
ClientSampleId :  
DSN-002-SEWER-OUTLET-002

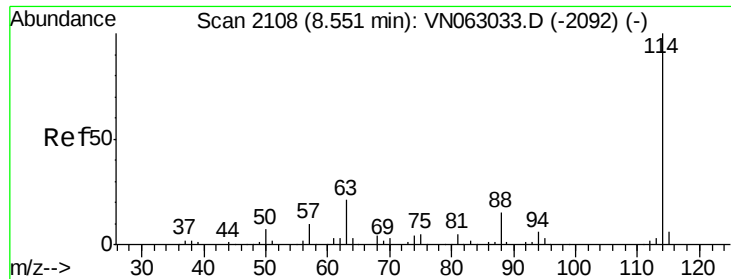
Tot Ion: 83 Resp: 41132  
Ion Ratio Lower Upper  
83 100  
85 67.3 51.0 76.4



#27  
1,2-Dichloroethane-d4  
Concen: 31.420 ug/l  
RT: 7.99 min Scan# 1933  
Delta R.T. -0.00 min  
Lab File: VN063076.D  
Acq: 21 Aug 2020 13:24

Tgt Ion: 65 Resp: 65857  
Ion Ratio Lower Upper  
65 100  
67 53.7 43.8 65.6

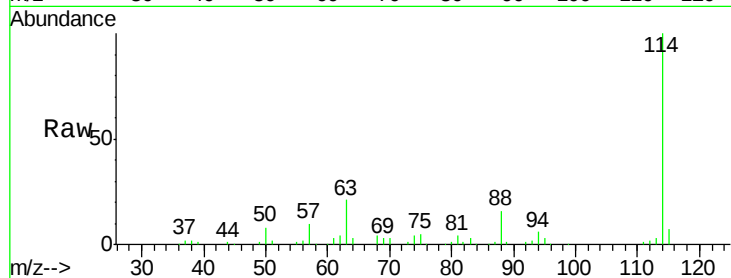




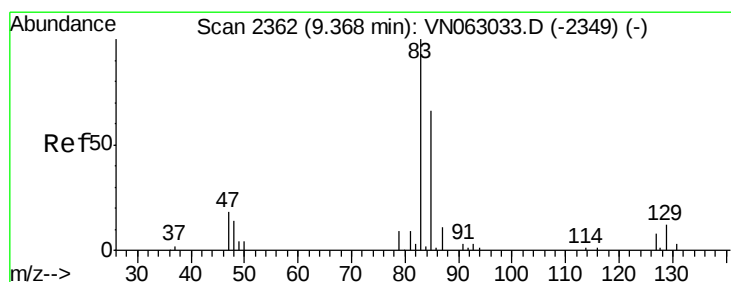
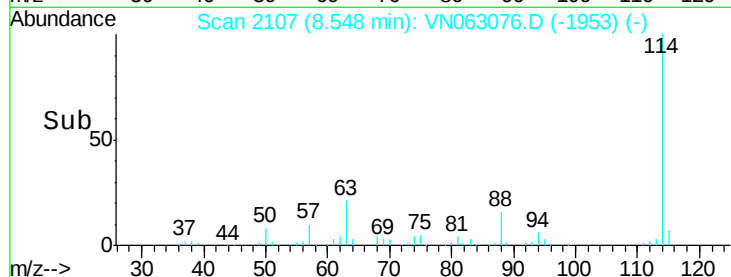
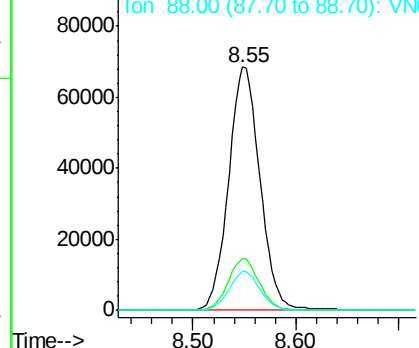
#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.55 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: VN063076.D  
 Acq: 21 Aug 2020 13:24

Instrument :  
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 DSN-002-SEWER-OUTLET-002

Tot Ion:114 Resp: 145523  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 17.0 25.6  
 88 15.7 12.6 18.8

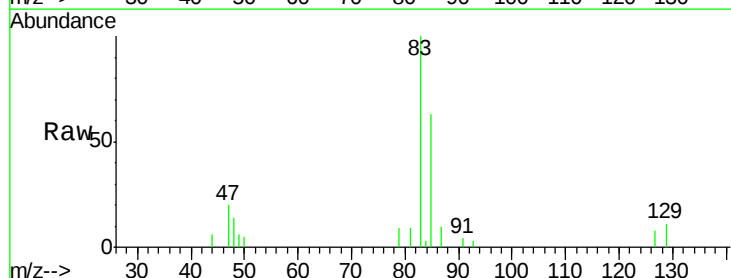


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 88.00 (87.70 to 88.70): V

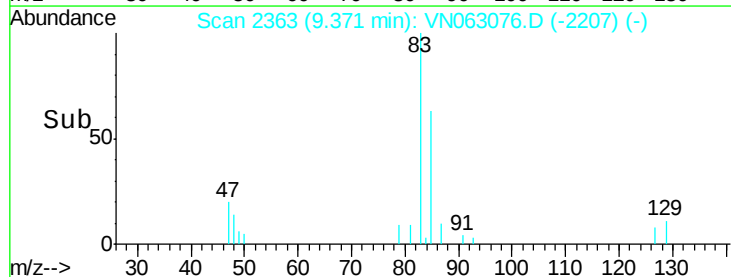
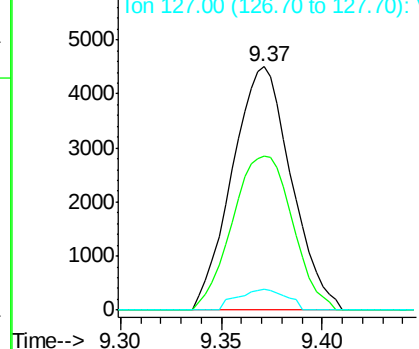


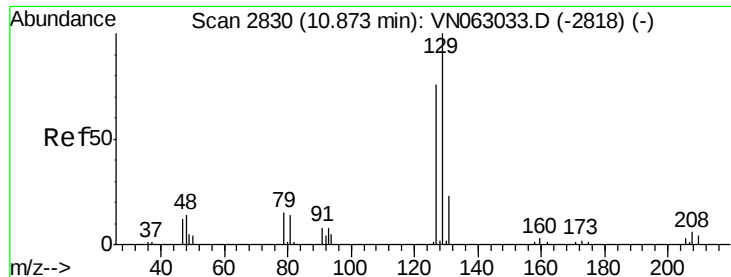
#41  
 Bromodichloromethane  
 Concen: 3.624 ug/l  
 RT: 9.37 min Scan# 2363  
 Delta R.T. 0.00 min  
 Lab File: VN063076.D  
 Acq: 21 Aug 2020 13:24

Tgt Ion: 83 Resp: 9191  
 Ion Ratio Lower Upper  
 83 100  
 85 63.1 52.6 79.0  
 127 8.4 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): V  
 Ion 85.00 (84.70 to 85.70): V  
 Ion 127.00 (126.70 to 127.70): V





#53

Dibromochloromethane

Concen: 1.113 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN063076.D

Acq: 21 Aug 2020 13:24

Instrument :

MSVOA\_N

ClientSampleId :

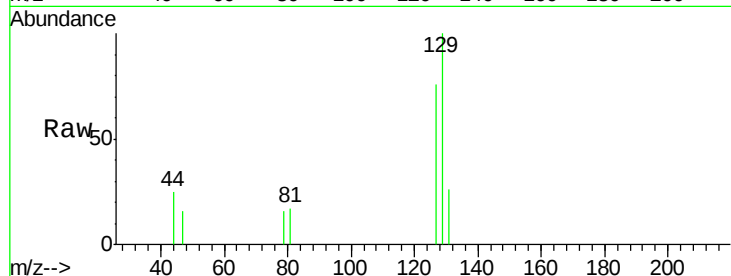
DSN-002-SEWER-OUTLET-002

Tot Ion:129 Resp: 2156

Ion Ratio Lower Upper

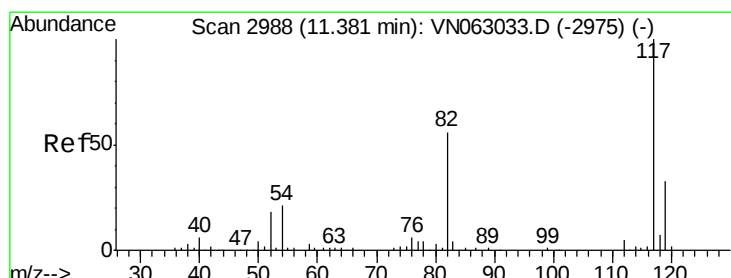
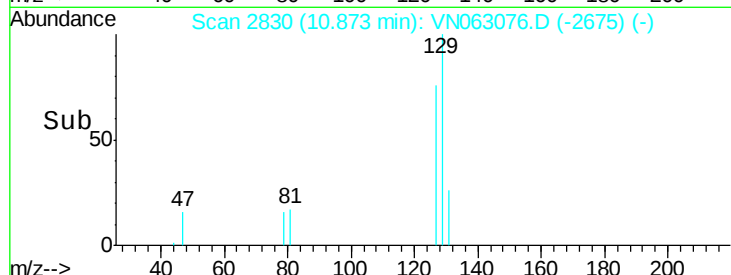
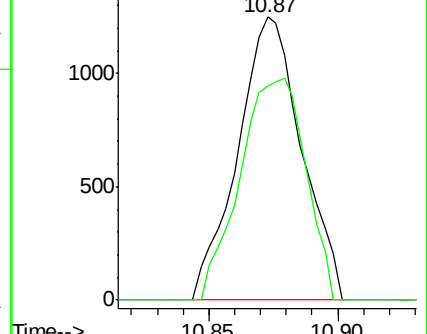
129 100

127 80.6 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063076.D

Acq: 21 Aug 2020 13:24

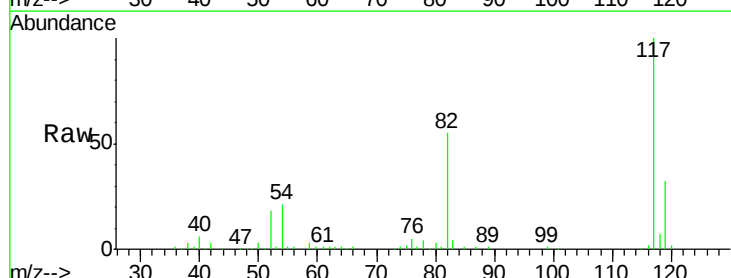
Tgt Ion:117 Resp: 136296

Ion Ratio Lower Upper

117 100

82 55.0 44.9 67.3

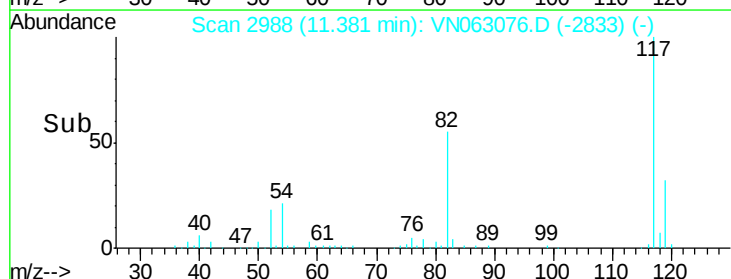
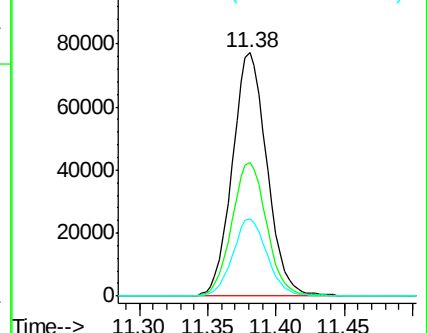
119 31.5 26.0 39.0

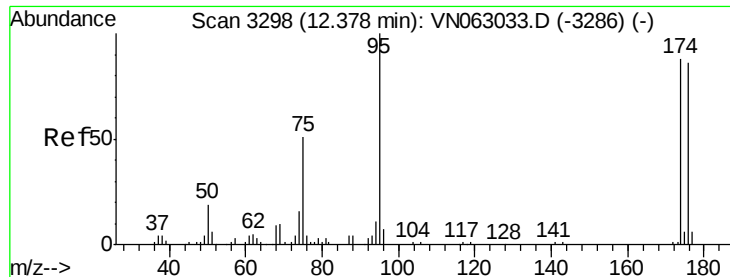


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

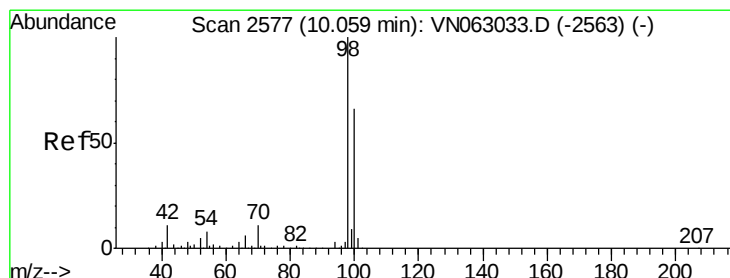
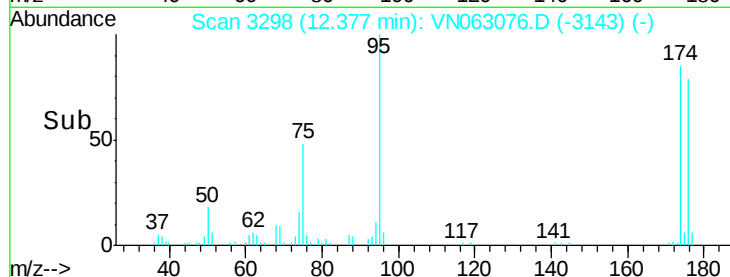
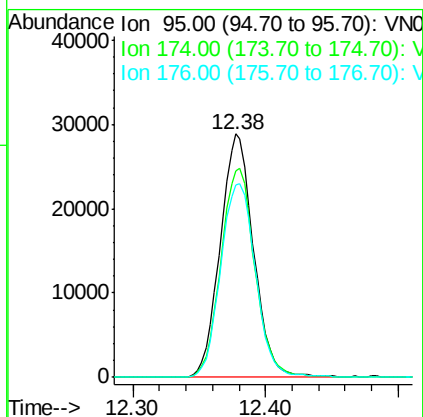
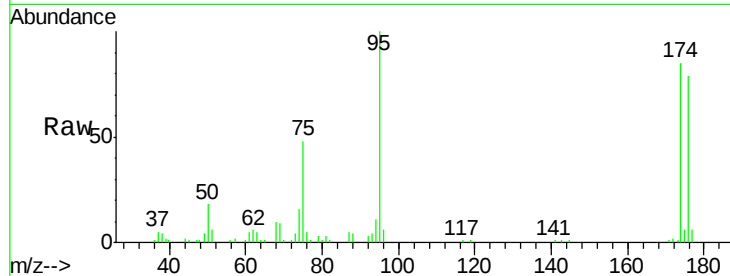




#60  
4-Bromofluorobenzene  
Concen: 23.366 ug/l  
RT: 12.38 min Scan# 3298  
Delta R.T. -0.00 min  
Lab File: VN063076.D  
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Tot Ion: 95 Resp: 50324  
Ion Ratio Lower Upper  
95 100  
174 87.7 70.1 105.1  
176 83.6 66.8 100.2



#63  
Toluene-d8  
Concen: 28.708 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. -0.00 min  
Lab File: VN063076.D  
Acq: 21 Aug 2020 13:24

Tgt Ion: 98 Resp: 179574  
Ion Ratio Lower Upper  
98 100  
100 62.2 51.4 77.2

