

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\  
 Data File : VN061031.D  
 Acq On : 16 Apr 2020 22:44  
 Operator : JC/MD  
 Sample : L2304-12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-F1-VOA

Quant Time: Apr 17 06:25:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 17 03:49:39 2020  
 Response via : Initial Calibration

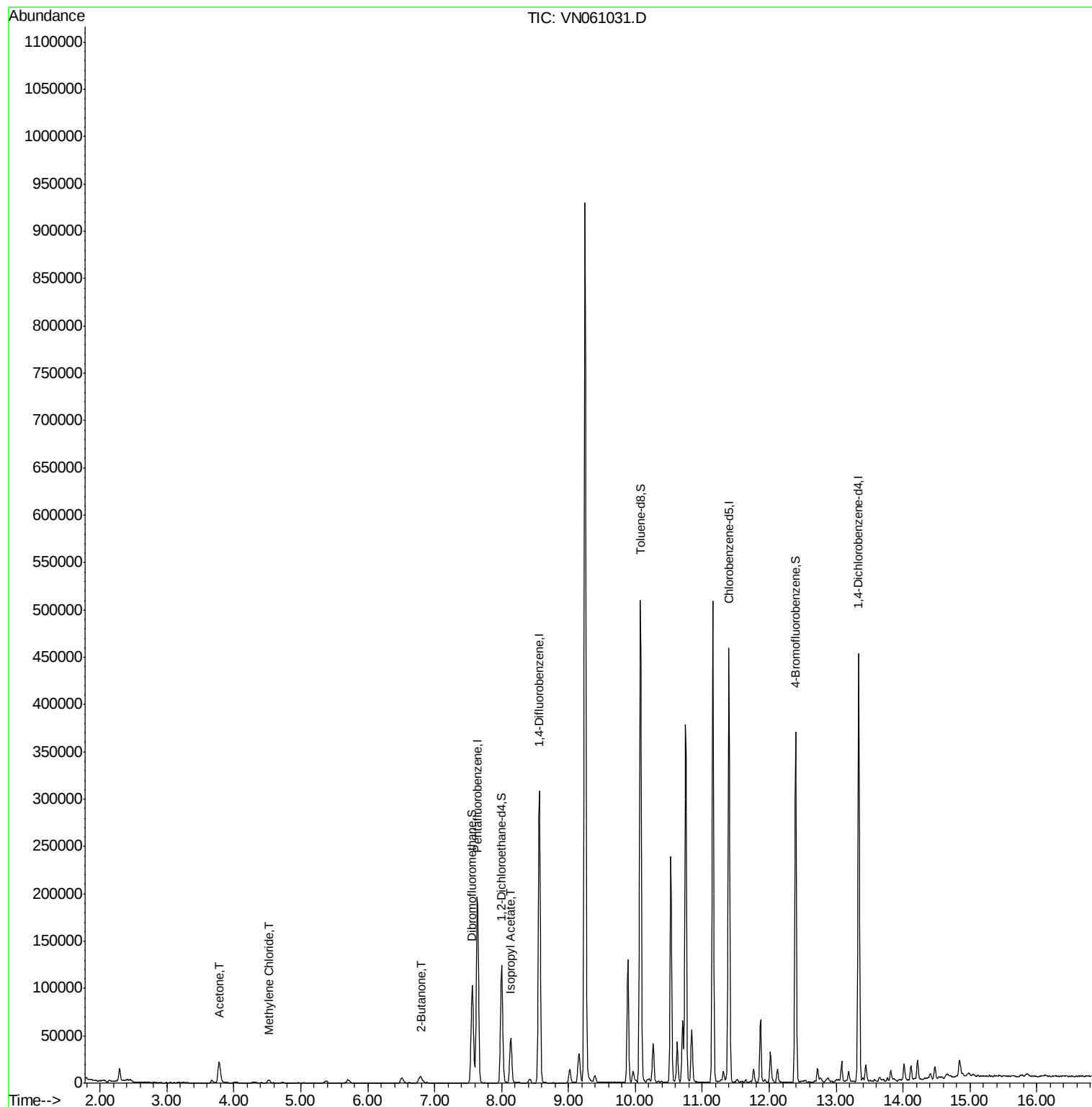
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 159615   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.56  | 114  | 271356   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 255946   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 117095   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 107356   | 52.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.14% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 79947    | 50.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.90% |          |
| 50) Toluene-d8              | 10.08 | 98   | 337597   | 56.38  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.76% |          |
| 62) 4-Bromofluorobenzene    | 12.39 | 95   | 127160   | 54.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.36% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 37567    | 41.794 | ug/l    | 99       |
| 20) Methylene Chloride      | 4.52  | 84   | 2414     | 1.230  | ug/l    | 97       |
| 25) 2-Butanone              | 6.80  | 43   | 8906     | 6.466  | ug/l    | 95       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 57719    | 11.672 | ug/l #  | 92       |

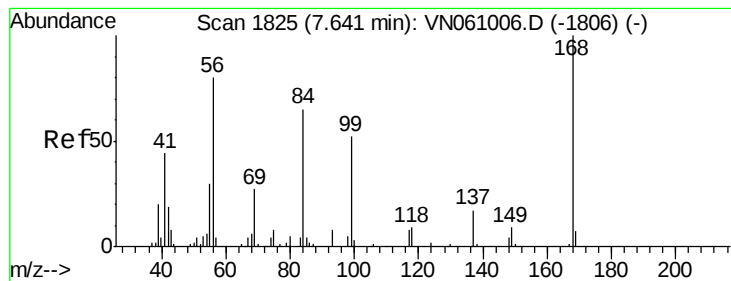
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041620\  
Data File : VN061031.D  
Acq On : 16 Apr 2020 22:44  
Operator : JC/MD  
Sample : L2304-12  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-F1-VOA

Quant Time: Apr 17 06:25:41 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 17 03:49:39 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061031.D

Acq: 16 Apr 2020 22:44

Instrument :

MSVOA\_N

ClientSampleId :

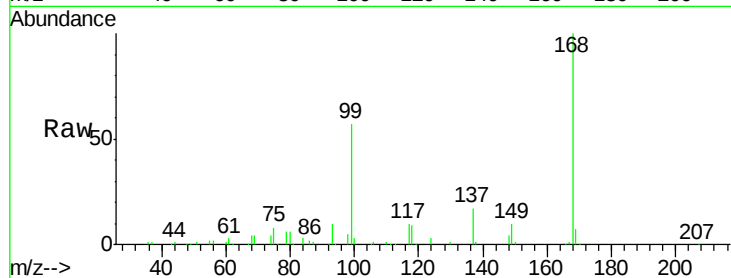
WC-F1-VOA

Tot Ion:168 Resp: 159615

Ion Ratio Lower Upper

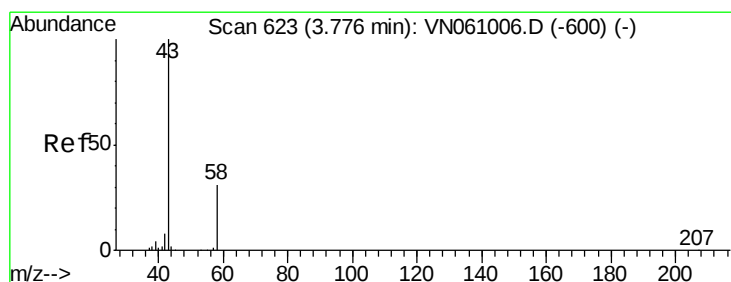
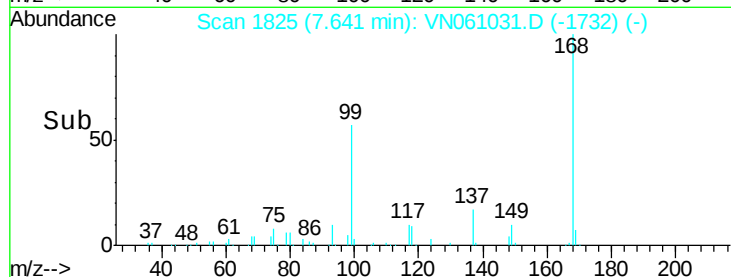
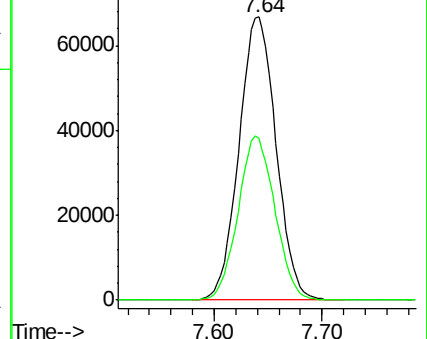
168 100

99 57.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 41.794 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061031.D

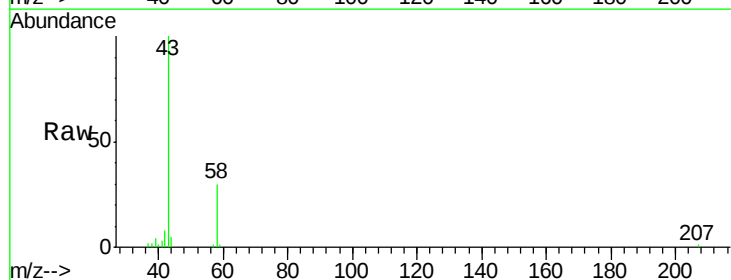
Acq: 16 Apr 2020 22:44

Tgt Ion: 43 Resp: 37567

Ion Ratio Lower Upper

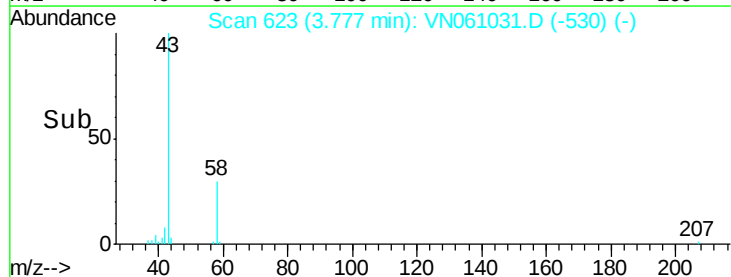
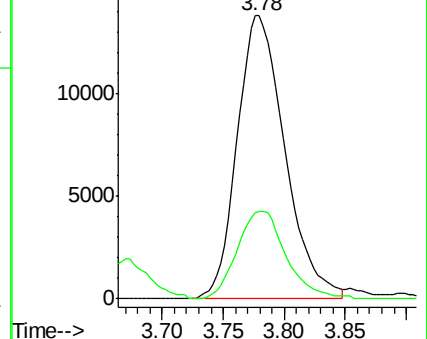
43 100

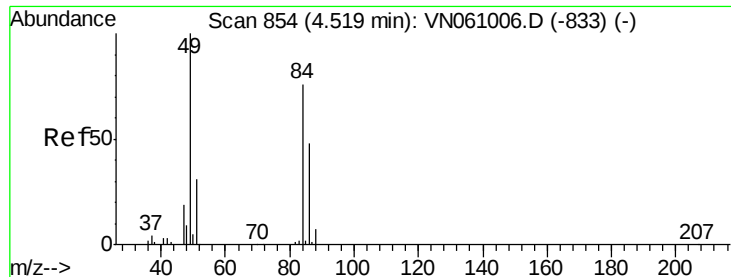
58 30.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN



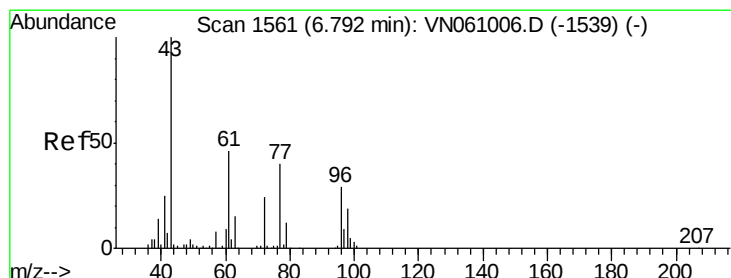
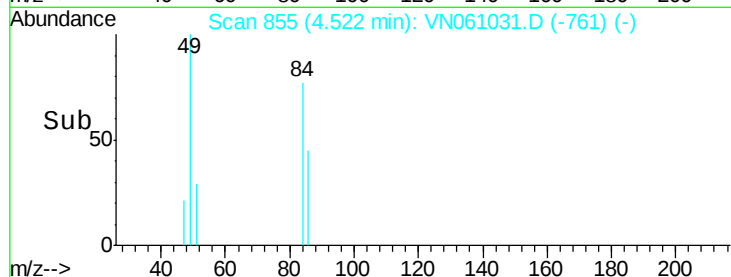
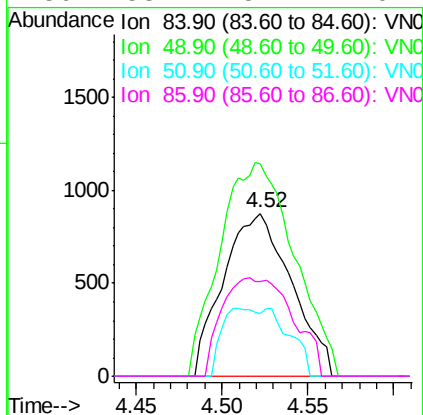
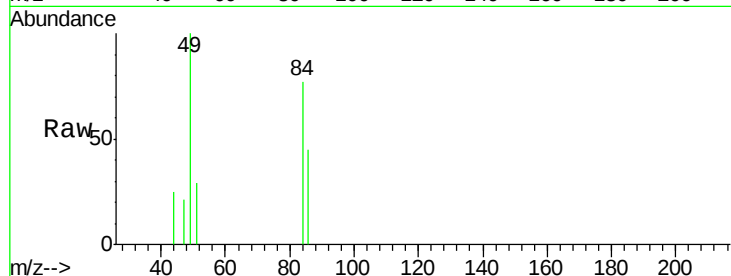


#20  
Methvlene Chloride  
Concen: 1.230 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN061031.D  
Acq: 16 Apr 2020 22:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-F1-VOA

Tot Ion: 84 Resp: 2414

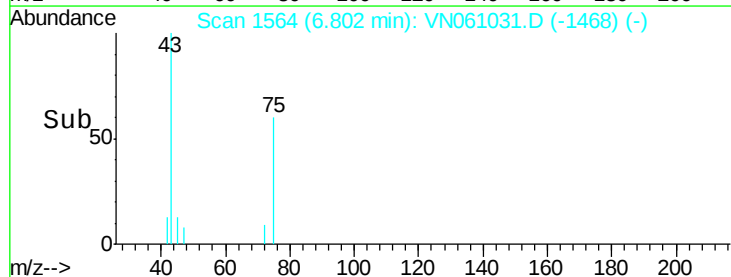
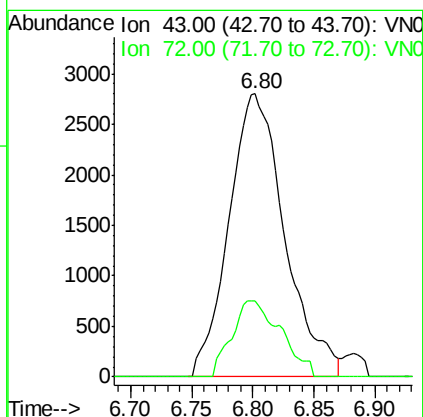
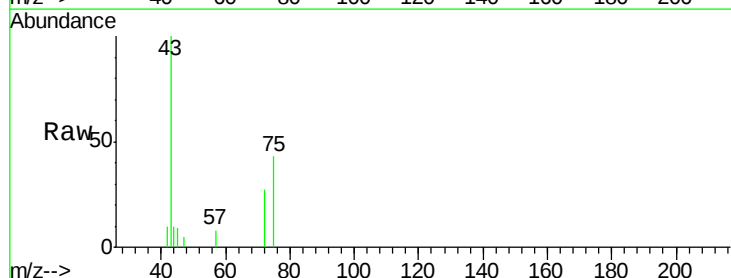
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 130.7 | 105.8 | 158.6 |
| 51  | 38.5  | 32.4  | 48.6  |
| 86  | 58.4  | 51.1  | 76.7  |

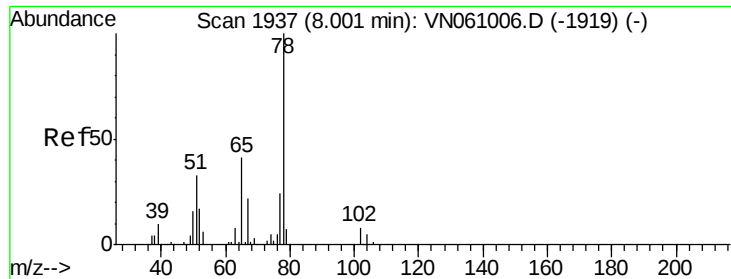


#25  
2-Butanone  
Concen: 6.466 ug/l  
RT: 6.80 min Scan# 1564  
Delta R.T. 0.01 min  
Lab File: VN061031.D  
Acq: 16 Apr 2020 22:44

Tgt Ion: 43 Resp: 8906

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 26.9  | 19.6  | 29.4  |

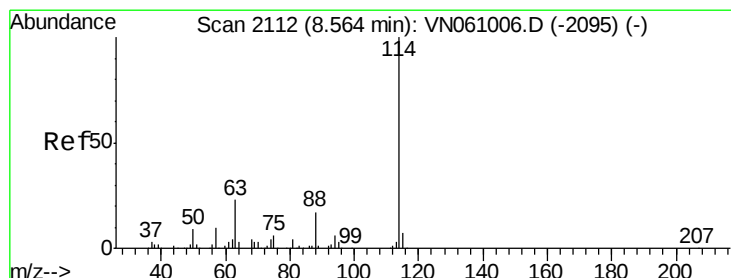
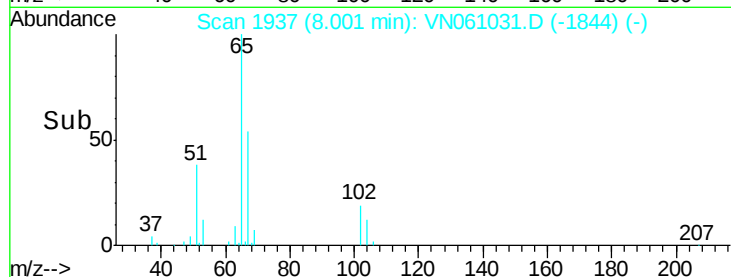
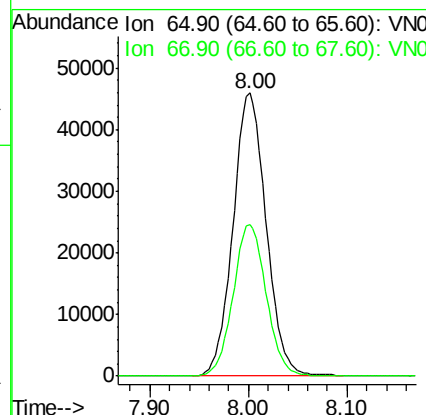
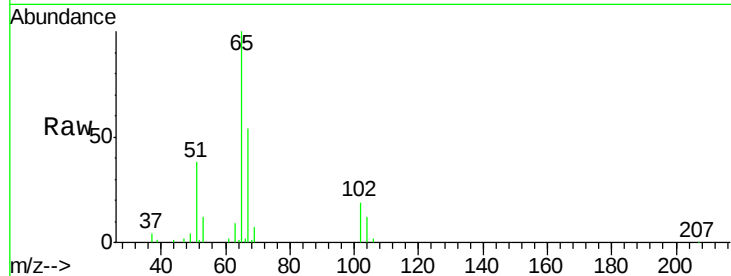




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.570 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: VN061031.D  
 Acq: 16 Apr 2020 22:44

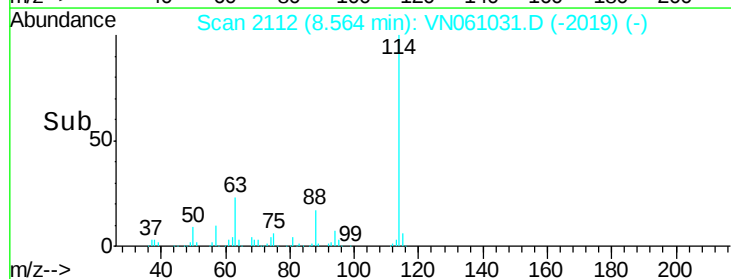
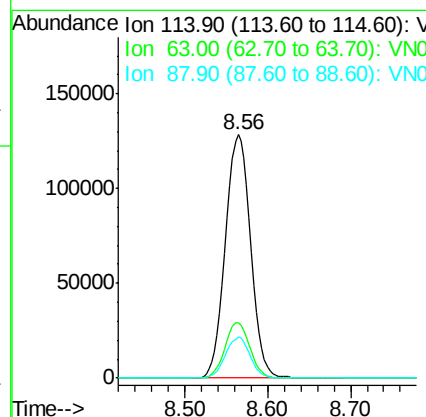
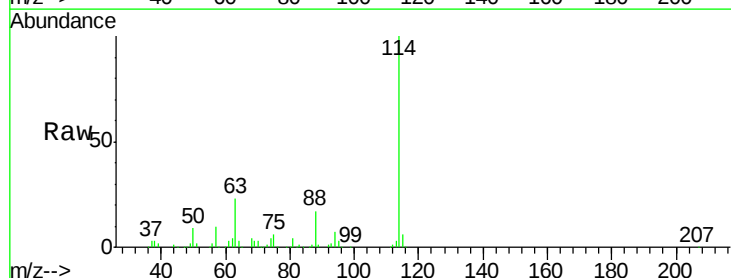
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-F1-VOA

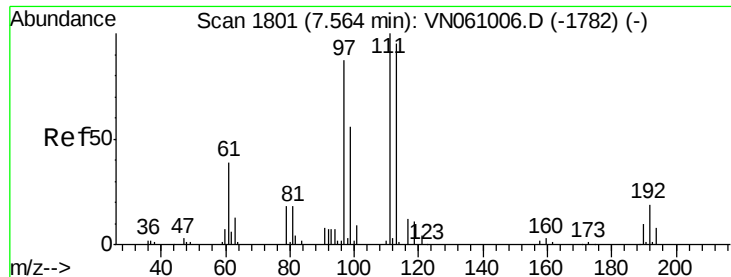
Tot Ion: 65 Resp: 107356  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 0.0 107.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. 0.00 min  
 Lab File: VN061031.D  
 Acq: 16 Apr 2020 22:44

Tgt Ion: 114 Resp: 271356  
 Ion Ratio Lower Upper  
 114 100  
 63 22.8 0.0 46.2  
 88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.450 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061031.D

Acq: 16 Apr 2020 22:44

Instrument :

MSVOA\_N

ClientSampleId :

WC-F1-VOA

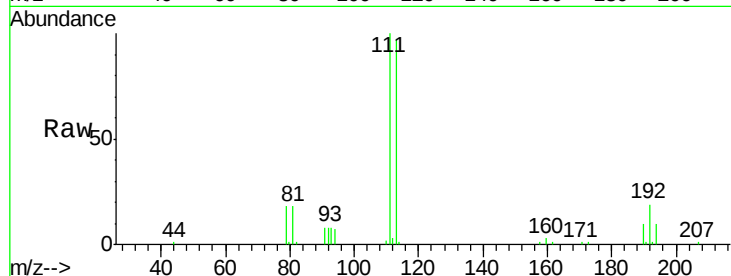
Tot Ion:113 Resp: 79947

Ion Ratio Lower Upper

113 100

111 103.9 83.4 125.2

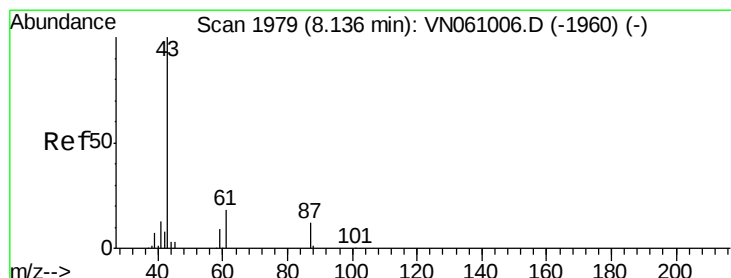
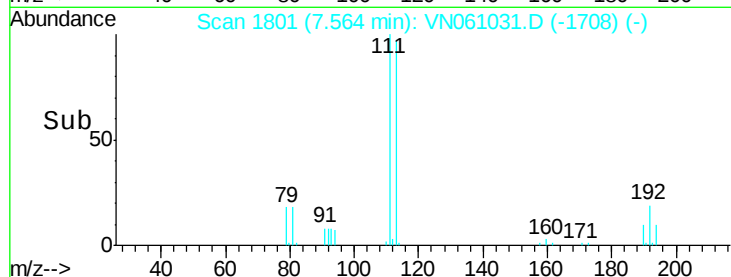
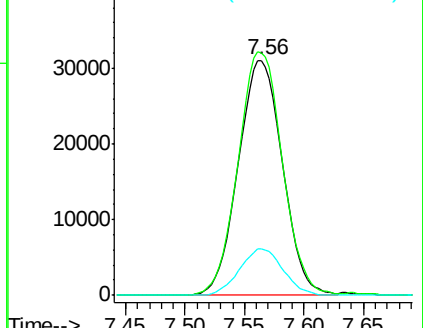
192 19.4 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#43

Isopropyl Acetate

Concen: 11.672 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061031.D

Acq: 16 Apr 2020 22:44

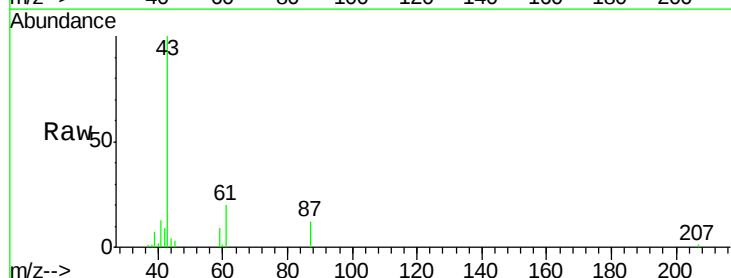
Tgt Ion: 43 Resp: 57719

Ion Ratio Lower Upper

43 100

61 19.3 20.3 30.5#

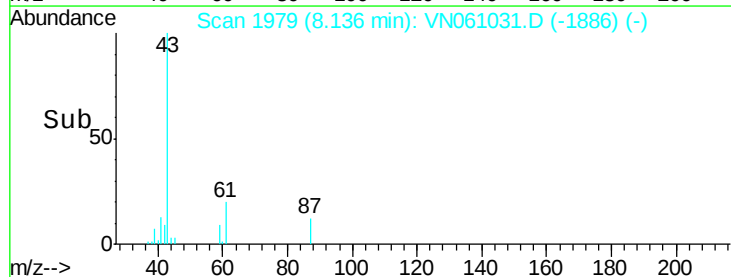
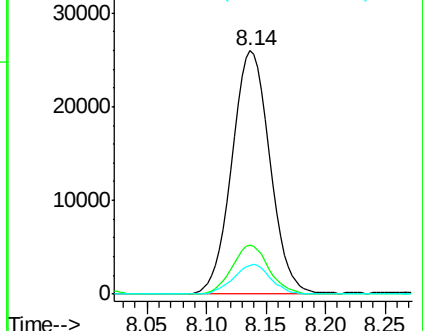
87 11.8 9.4 14.2

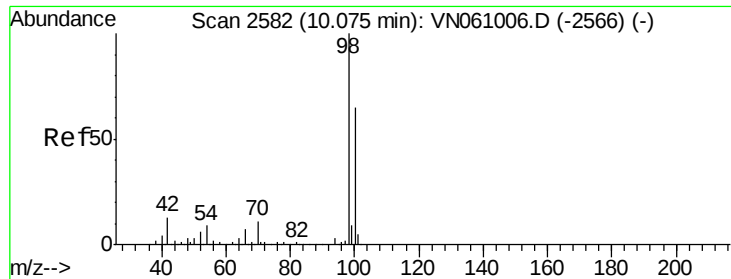


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 56.377 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061031.D

Acq: 16 Apr 2020 22:44

Instrument :

MSVOA\_N

ClientSampleId :

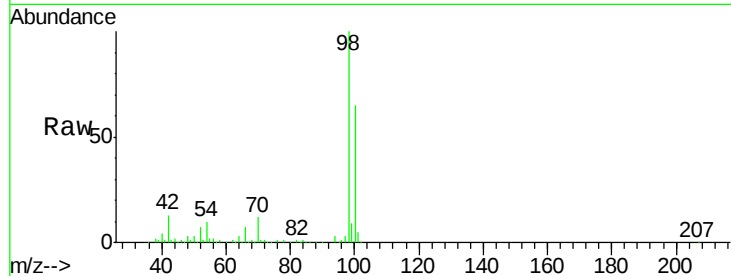
WC-F1-VOA

Tot Ion: 98 Resp: 337597

Ion Ratio Lower Upper

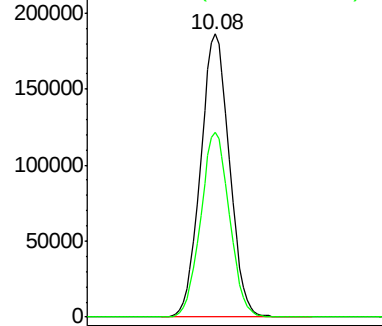
98 100

100 65.2 51.9 77.9

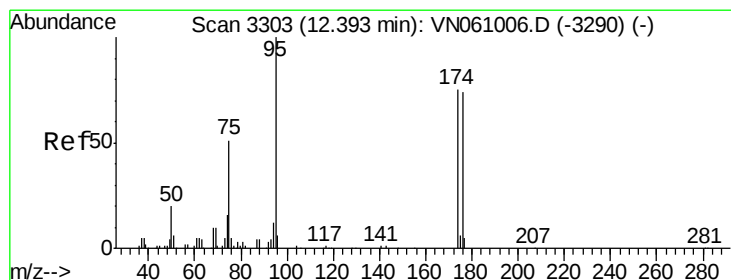
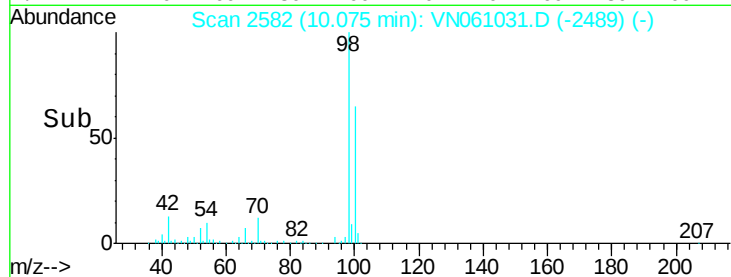


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#62

4-Bromofluorobenzene

Concen: 54.181 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061031.D

Acq: 16 Apr 2020 22:44

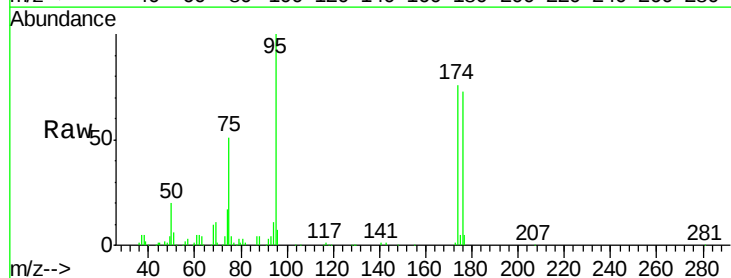
Tgt Ion: 95 Resp: 127160

Ion Ratio Lower Upper

95 100

174 77.0 0.0 151.2

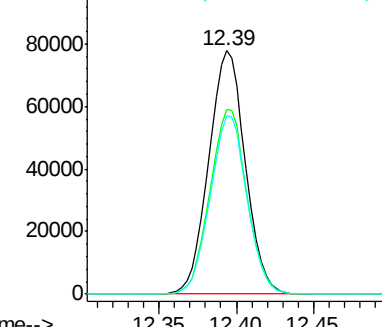
176 74.1 0.0 148.2



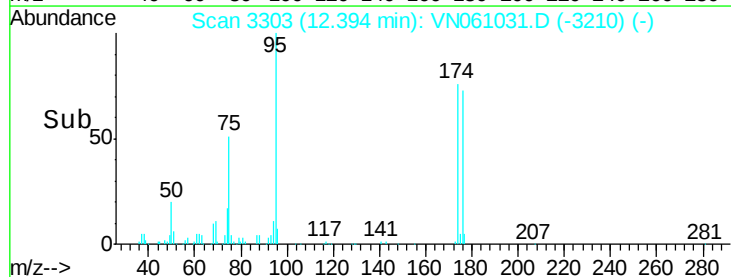
Abundance Ion 94.90 (94.60 to 95.60): VN0

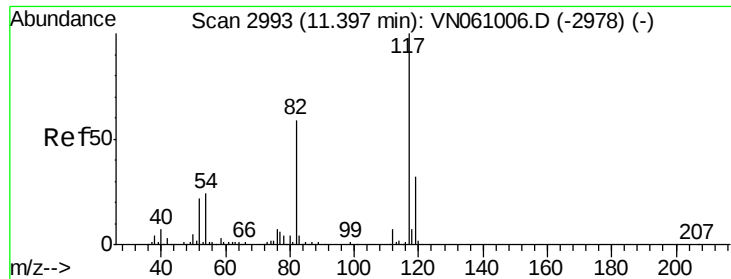
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

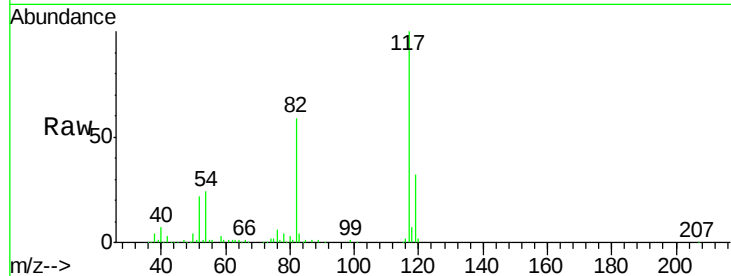




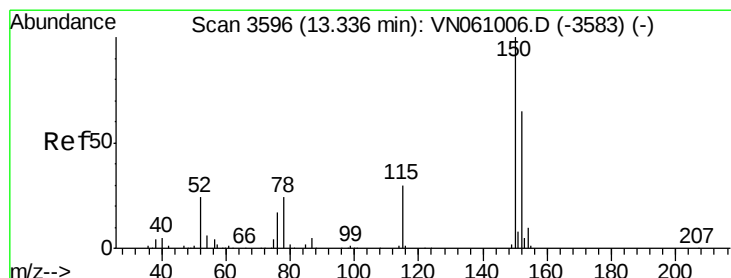
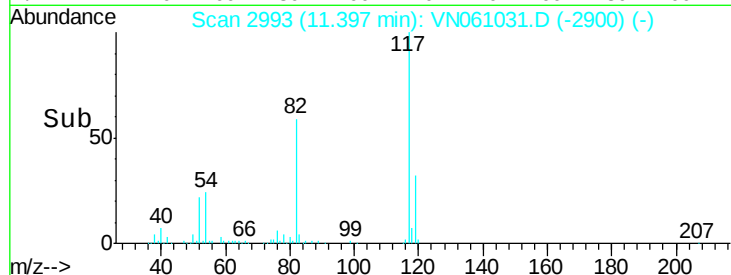
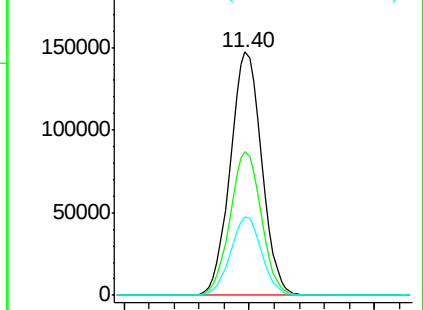
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2993  
Delta R.T. 0.00 min  
Lab File: VN061031.D  
Acq: 16 Apr 2020 22:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-F1-VOA

Tot Ion:117 Resp: 255946  
Ion Ratio Lower Upper  
117 100  
82 58.9 47.1 70.7  
119 32.2 25.7 38.5

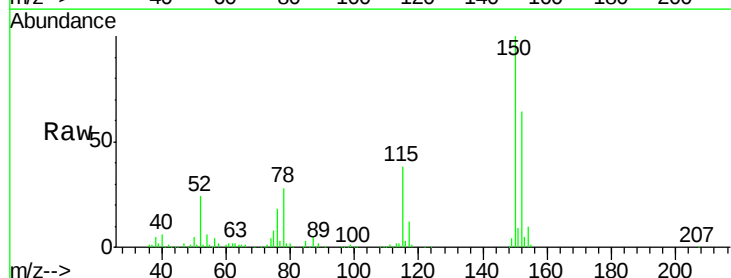


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3596  
Delta R.T. 0.00 min  
Lab File: VN061031.D  
Acq: 16 Apr 2020 22:44

Tgt Ion:152 Resp: 117095  
Ion Ratio Lower Upper  
152 100  
115 59.9 30.8 92.4  
150 156.2 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

