

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\  
 Data File : VN060956.D  
 Acq On : 15 Apr 2020 13:13  
 Operator : JC/MD  
 Sample : L2230-62  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-11-19

Quant Time: Apr 16 07:15:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

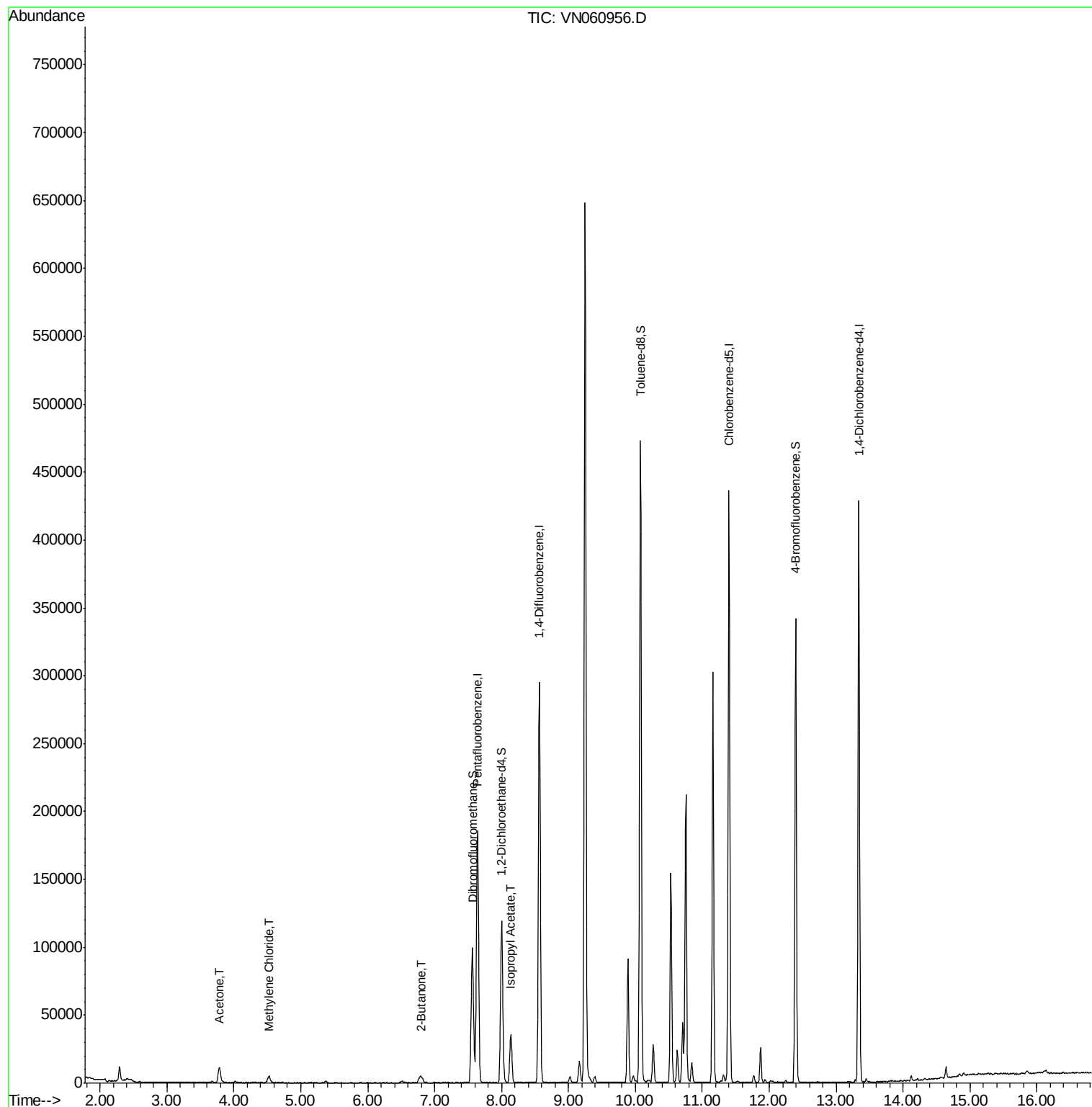
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 151986   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.56  | 114  | 259543   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 245009   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 109828   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 102702   | 49.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.44%  |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 76984    | 49.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.10%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 323195   | 50.42  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.84% |          |
| 62) 4-Bromofluorobenzene    | 12.39 | 95   | 121115   | 51.55  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.10% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 19759    | 26.736 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.53  | 84   | 3739     | 2.057  | ug/l    | 97       |
| 25) 2-Butanone              | 6.80  | 43   | 7944     | 6.643  | ug/l #  | 89       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 43459    | 9.704  | ug/l #  | 91       |

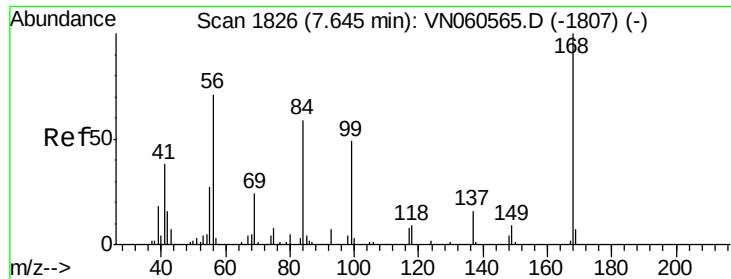
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041520\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 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: VN060956.D

Acq: 15 Apr 2020 13:13

Instrument :

MSVOA\_N

ClientSampleId :

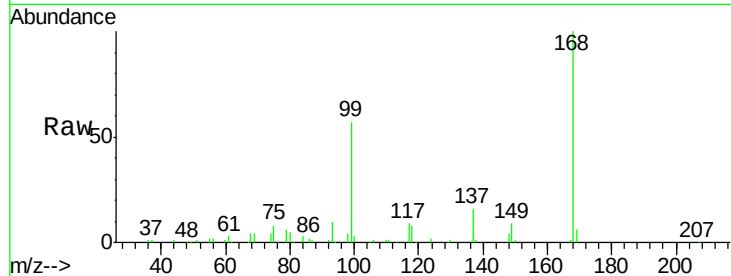
TP-11-19

Tot Ion:168 Resp: 151986

Ion Ratio Lower Upper

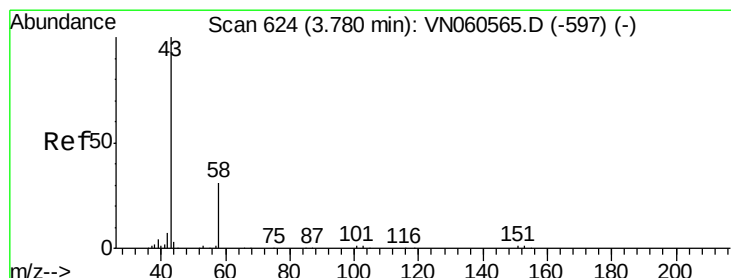
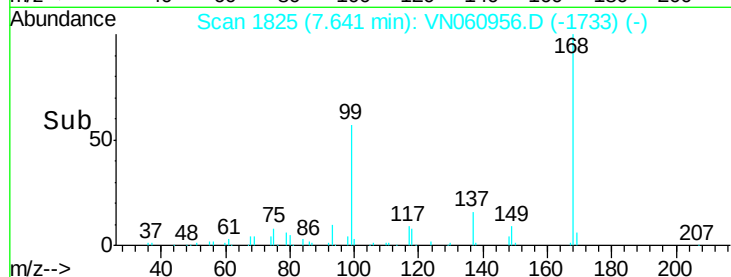
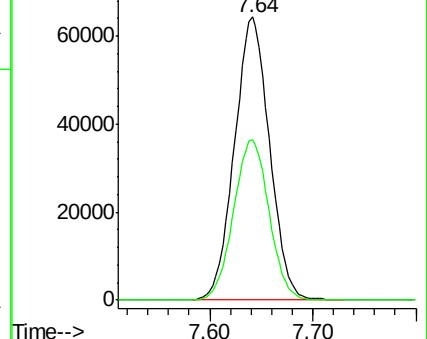
168 100

99 56.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 26.736 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060956.D

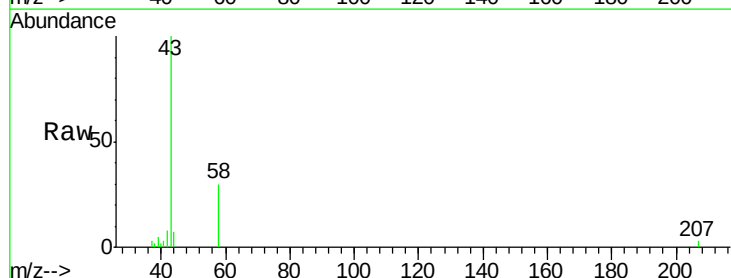
Acq: 15 Apr 2020 13:13

Tgt Ion: 43 Resp: 19759

Ion Ratio Lower Upper

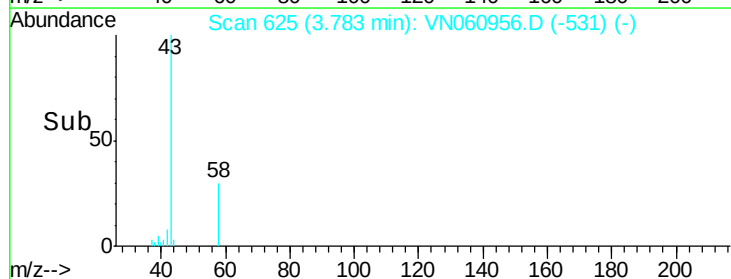
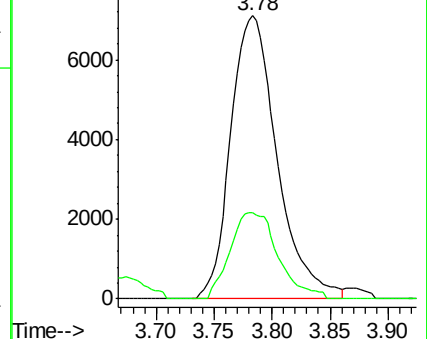
43 100

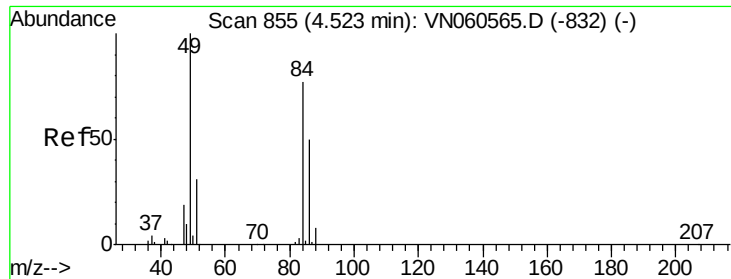
58 30.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

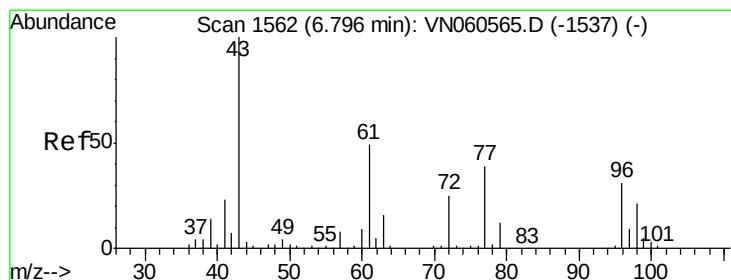
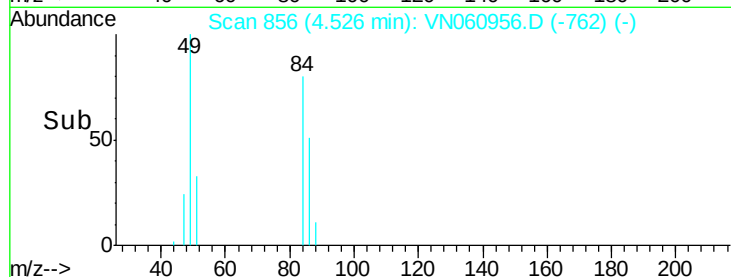
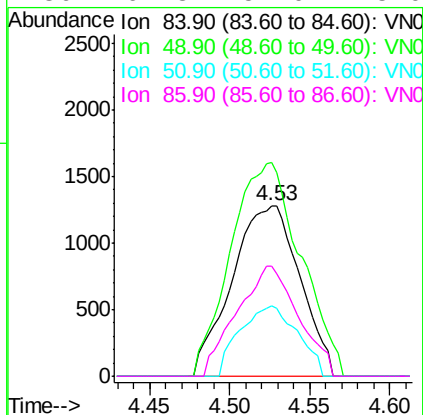
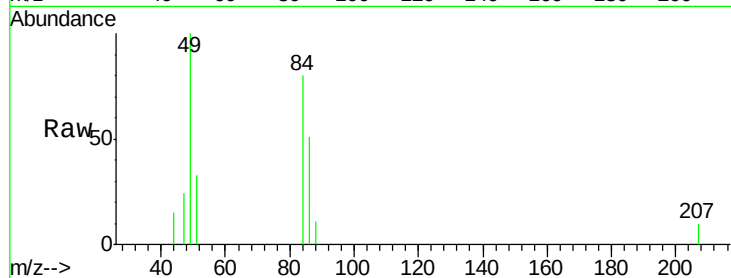




#20  
Methvlene Chloride  
Concen: 2.057 ug/l  
RT: 4.53 min Scan# 856  
Delta R.T. 0.00 min  
Lab File: VN060956.D  
Acq: 15 Apr 2020 13:13

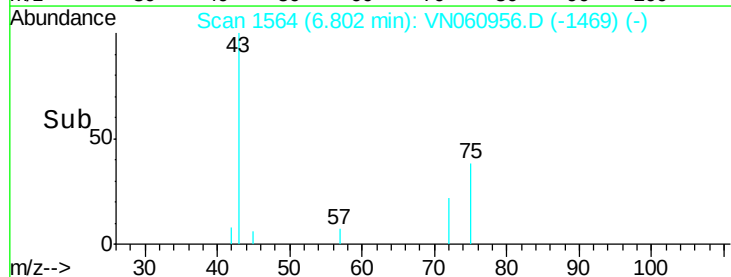
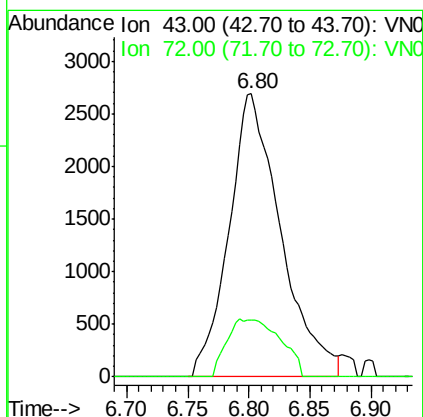
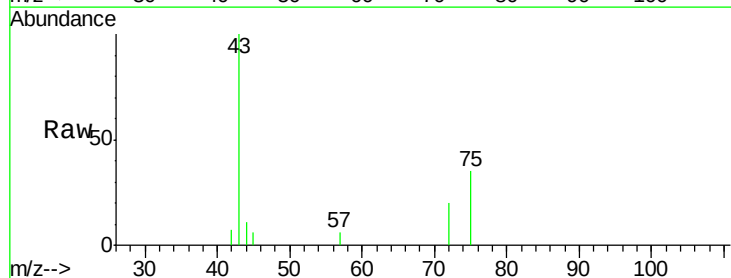
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MSVOA\_N  
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TP-11-19

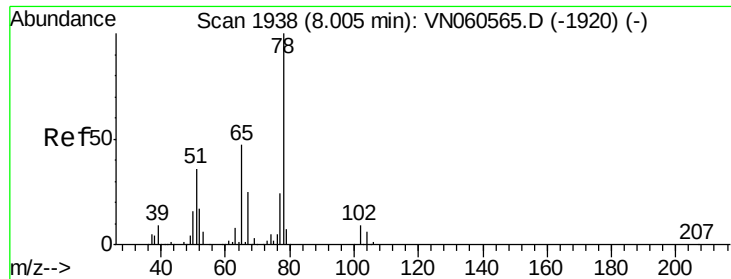
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 3739  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 125.0 | 103.3 | 154.9 |
| 51       | 41.5  | 31.6  | 47.4  |
| 86       | 64.3  | 52.0  | 78.0  |



#25  
2-Butanone  
Concen: 6.643 ug/l  
RT: 6.80 min Scan# 1564  
Delta R.T. 0.01 min  
Lab File: VN060956.D  
Acq: 15 Apr 2020 13:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 7944  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 20.1  | 20.4  | 30.6# |

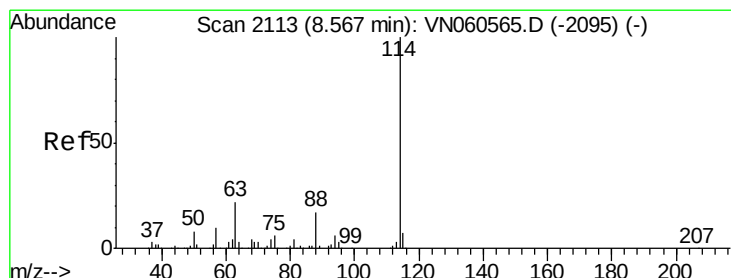
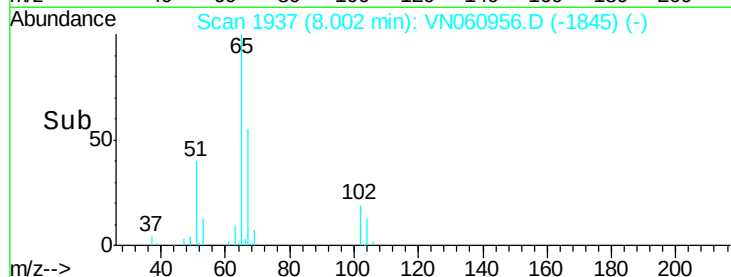
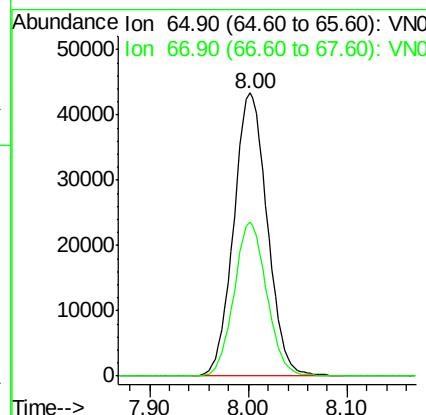
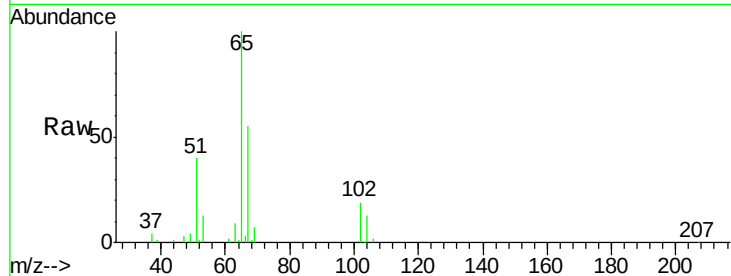




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.224 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN060956.D  
 Acq: 15 Apr 2020 13:13

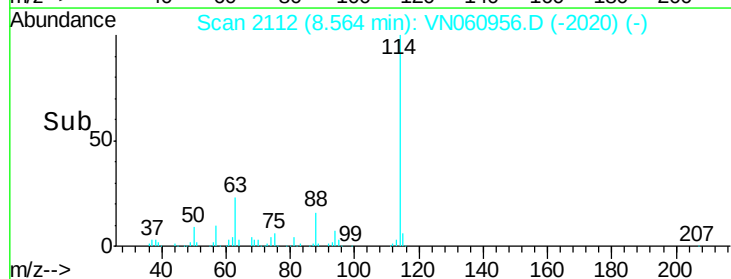
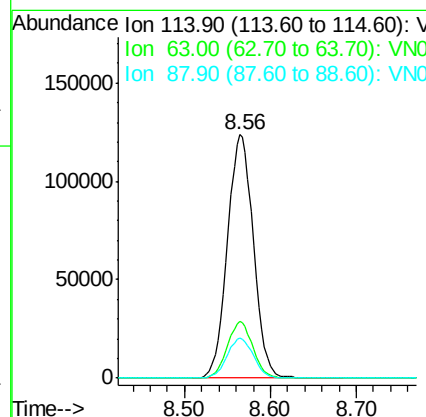
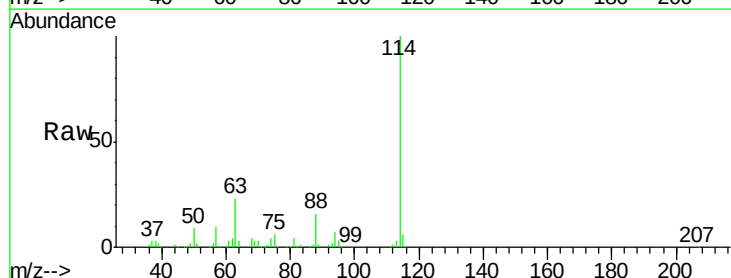
Instrument :  
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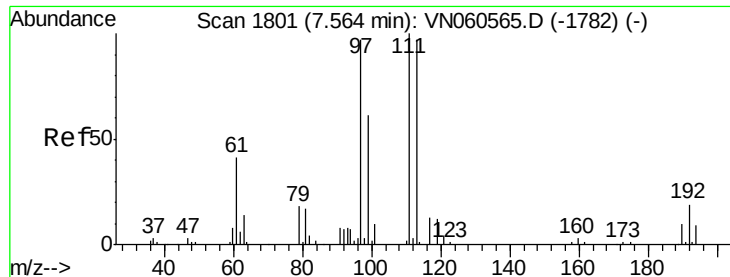
Tot Ion: 65 Resp: 102702  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 107.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN060956.D  
 Acq: 15 Apr 2020 13:13

Tgt Ion: 114 Resp: 259543  
 Ion Ratio Lower Upper  
 114 100  
 63 23.2 0.0 43.8  
 88 16.3 0.0 33.0

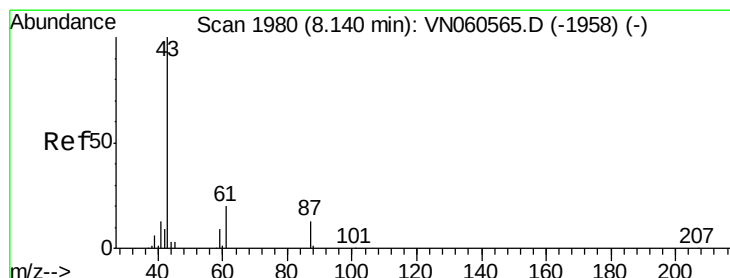
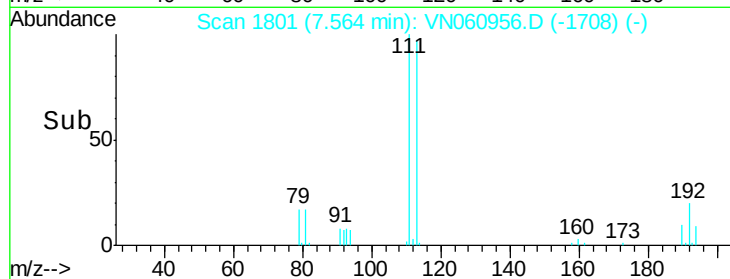
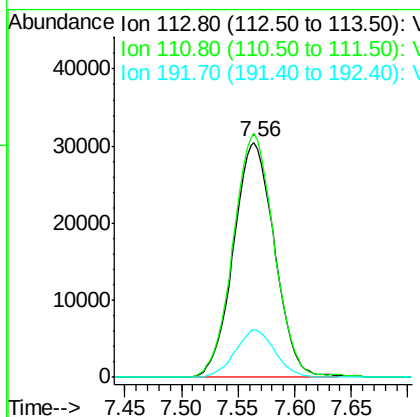
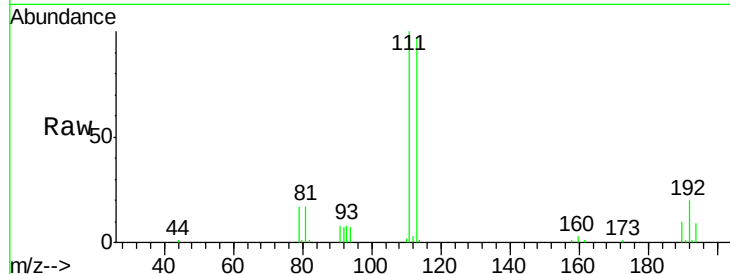




#35  
 Dibromofluoromethane  
 Concen: 49.054 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. 0.00 min  
 Lab File: VN060956.D  
 Acq: 15 Apr 2020 13:13

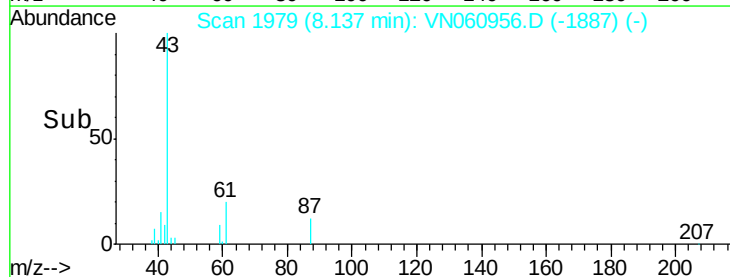
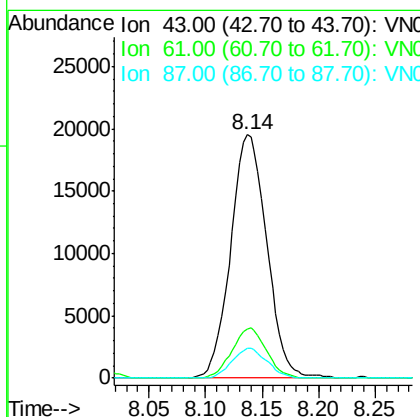
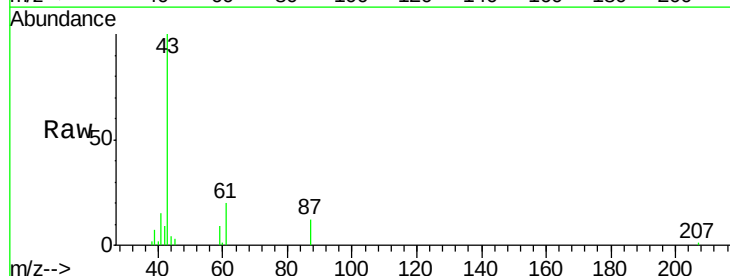
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-11-19

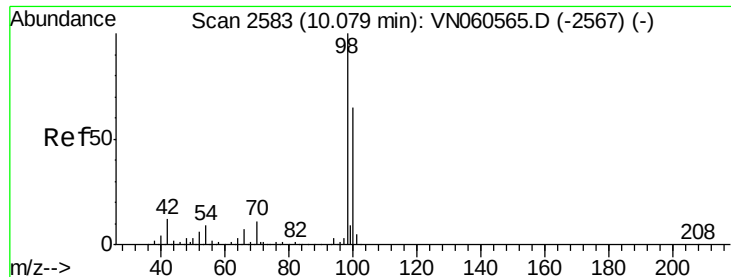
Tot Ion:113 Resp: 76984  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 82.9 124.3  
 192 19.5 15.8 23.8



#43  
 Isopropyl Acetate  
 Concen: 9.704 ug/l  
 RT: 8.14 min Scan# 1979  
 Delta R.T. -0.00 min  
 Lab File: VN060956.D  
 Acq: 15 Apr 2020 13:13

Tgt Ion: 43 Resp: 43459  
 Ion Ratio Lower Upper  
 43 100  
 61 19.6 20.7 31.1#  
 87 11.7 9.8 14.8

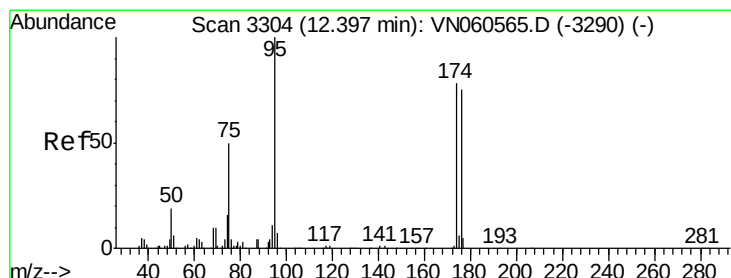
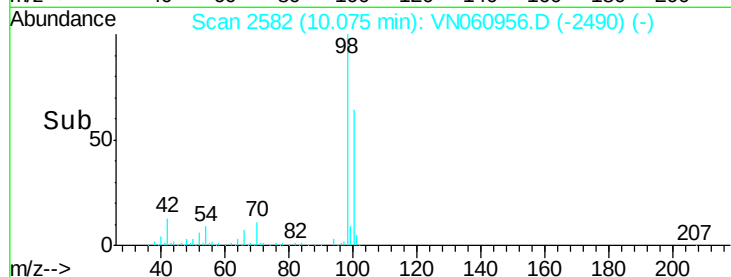
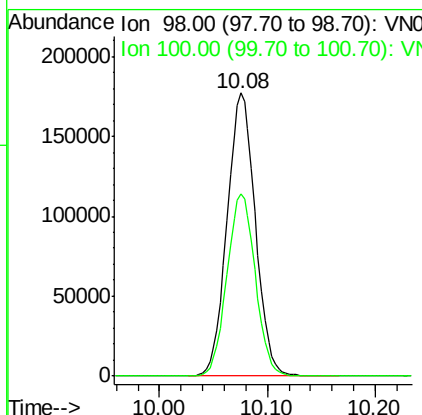
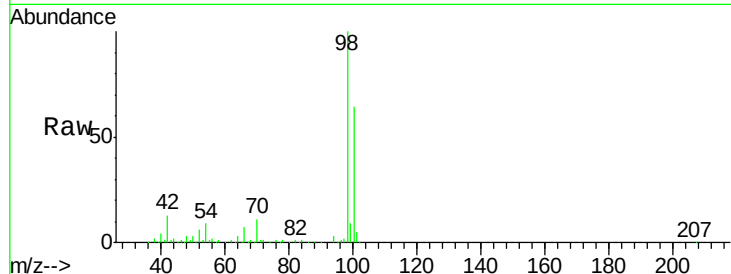




#50  
Toluene-d8  
Concen: 50.418 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN060956.D  
Acq: 15 Apr 2020 13:13

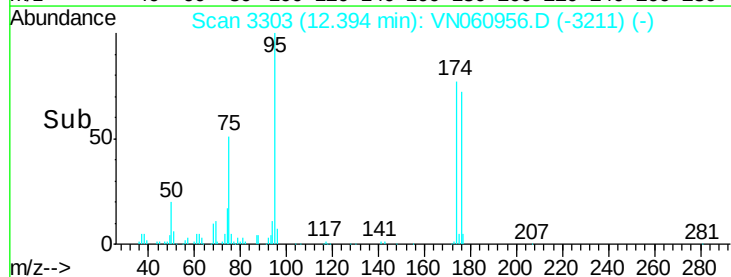
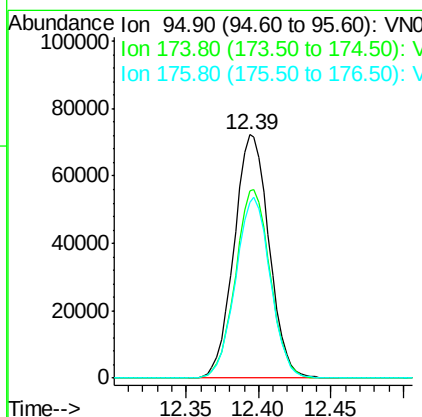
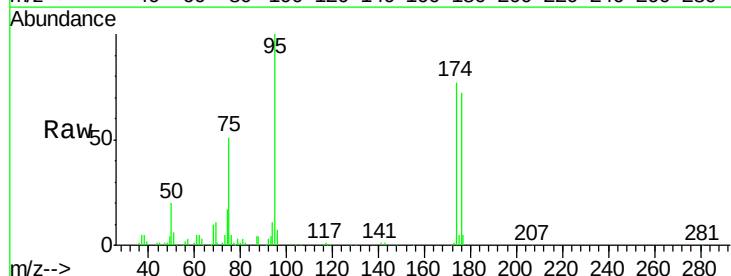
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-11-19

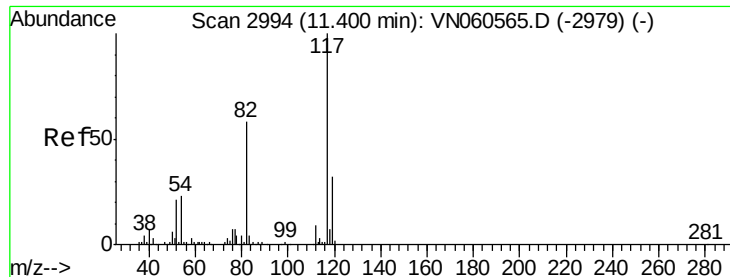
Tot Ion: 98 Resp: 323195  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.8 77.8



#62  
4-Bromofluorobenzene  
Concen: 51.554 ug/l  
RT: 12.39 min Scan# 3303  
Delta R.T. -0.00 min  
Lab File: VN060956.D  
Acq: 15 Apr 2020 13:13

Tgt Ion: 95 Resp: 121115  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 157.6  
176 73.7 0.0 150.6

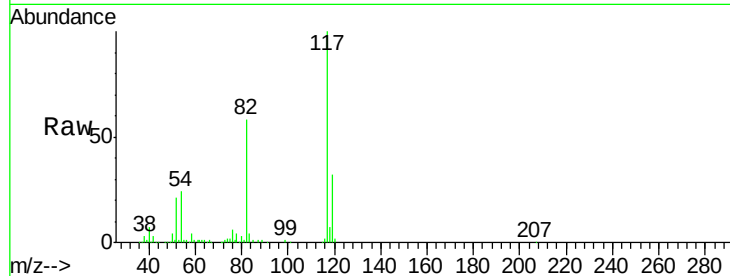




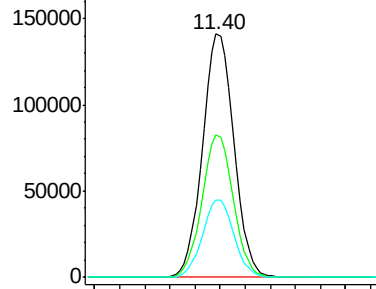
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2993  
Delta R.T. -0.00 min  
Lab File: VN060956.D  
Acq: 15 Apr 2020 13:13

Instrument :  
MSVOA\_N  
ClientSampled :  
TP-11-19

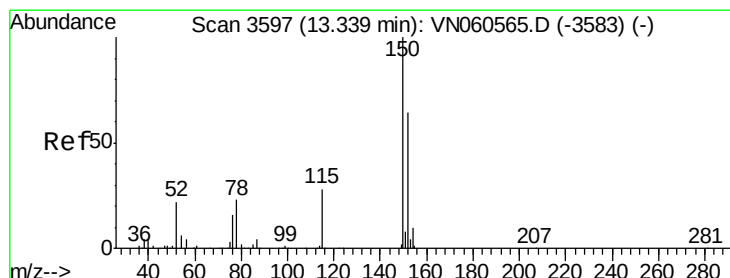
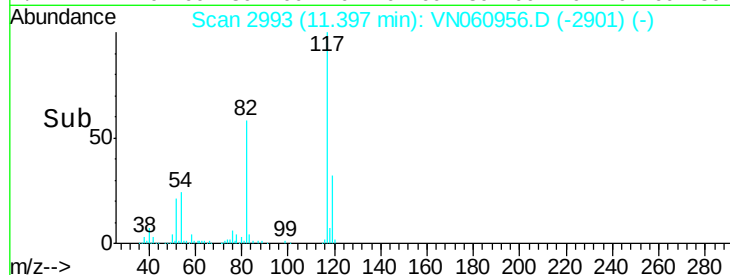
Tot Ion:117 Resp: 245009  
Ion Ratio Lower Upper  
117 100  
82 58.3 46.7 70.1  
119 31.8 25.5 38.3



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

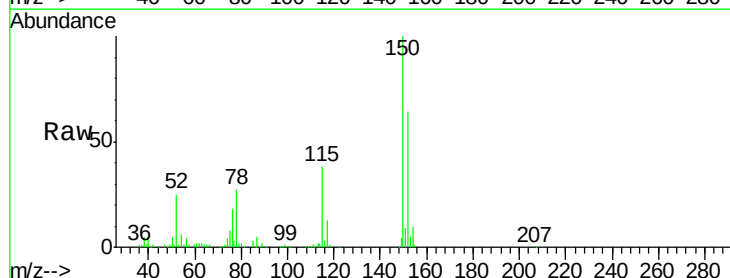


Time--> 11.30 11.40 11.50

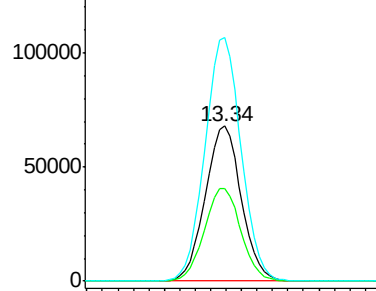


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060956.D  
Acq: 15 Apr 2020 13:13

Tgt Ion:152 Resp: 109828  
Ion Ratio Lower Upper  
152 100  
115 60.3 30.2 90.6  
150 157.8 0.0 350.2



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



Time--> 13.25 13.30 13.35 13.40

