

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\  
 Data File : VN057376.D  
 Acq On : 17 Aug 2019 00:27  
 Operator : JC/SP  
 Sample : K4356-14  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-7

Quant Time: Aug 17 04:31:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 15 11:33:14 2019  
 Response via : Initial Calibration

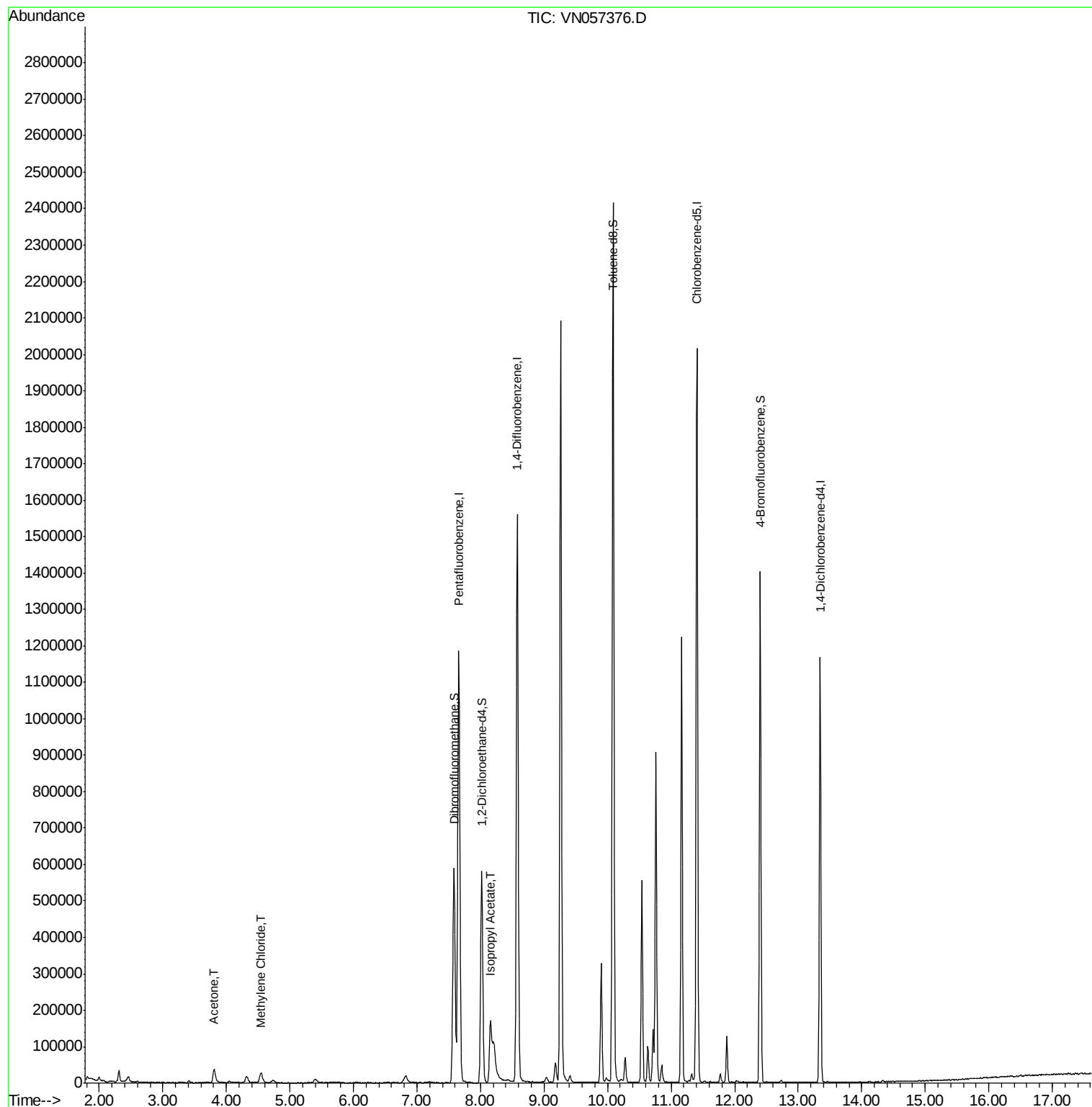
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units  | Dev(Min)   |
|-----------------------------|--------|------|----------|--------|--------|------------|
| 1) Pentafluorobenzene       | 7.66   | 168  | 1094105  | 50.00  | ug/l   | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.58   | 114  | 1520782  | 50.00  | ug/l   | 0.00       |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 1287272  | 50.00  | ug/l   | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 346991   | 50.00  | ug/l   | 0.00       |
| System Monitoring Compounds |        |      |          |        |        |            |
| 33) 1,2-Dichloroethane-d4   | 8.02   | 65   | 510894   | 42.95  | ug/l   | 0.00       |
| Spiked Amount               | 50.000 |      | Recovery | =      | 85.90% |            |
| 35) Dibromofluoromethane    | 7.58   | 113  | 459341   | 46.08  | ug/l   | 0.00       |
| Spiked Amount               | 50.000 |      | Recovery | =      | 92.16% |            |
| 50) Toluene-d8              | 10.09  | 98   | 1770125  | 48.55  | ug/l   | 0.00       |
| Spiked Amount               | 50.000 |      | Recovery | =      | 97.10% |            |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 475731   | 36.92  | ug/l   | 0.00       |
| Spiked Amount               | 50.000 |      | Recovery | =      | 73.84% |            |
| Target Compounds            |        |      |          |        |        |            |
| 16) Acetone                 | 3.81   | 43   | 63333    | 15.350 | ug/l   | Qvalue 100 |
| 20) Methylene Chloride      | 4.55   | 84   | 23027    | 1.995  | ug/l   | 91         |
| 43) Isopropyl Acetate       | 8.16   | 43   | 196738   | 8.854  | ug/l # | 81         |

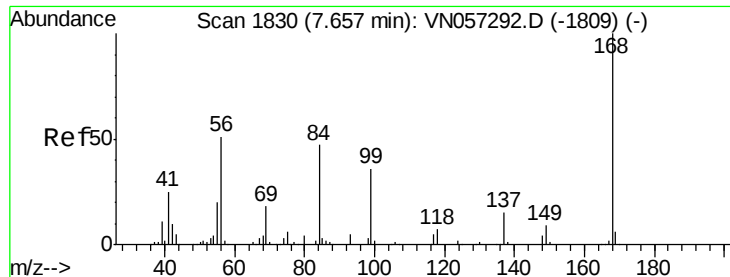
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 15 11:33:14 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057376.D

Acq: 17 Aug 2019 00:27

Instrument :

MSVOA\_N

ClientSampled :

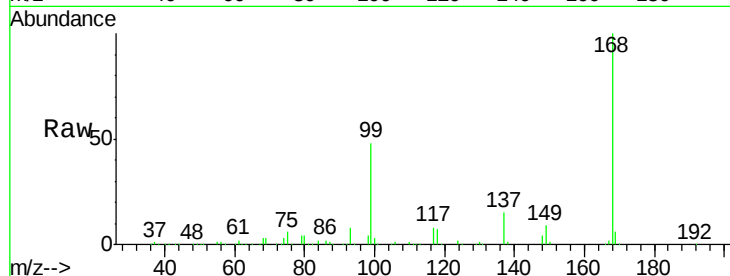
TP-7

Tot Ion:168 Resp: 1094105

Ion Ratio Lower Upper

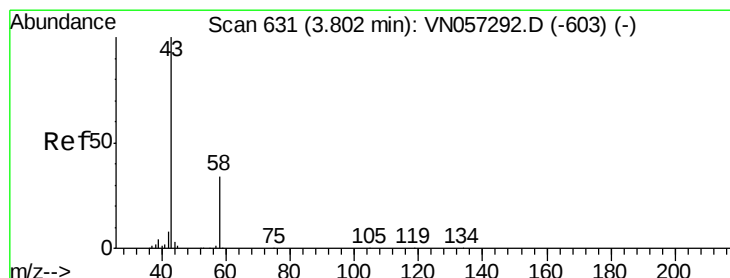
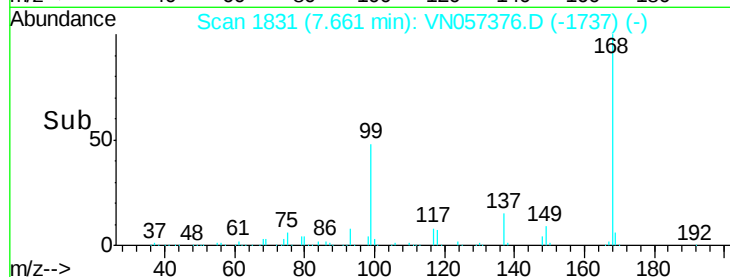
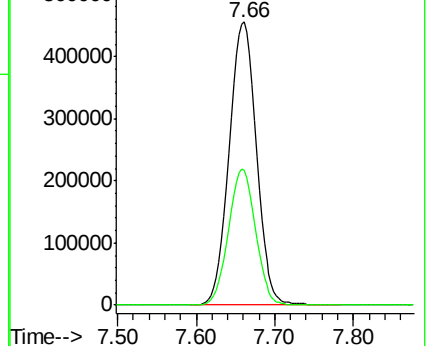
168 100

99 47.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 15.350 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057376.D

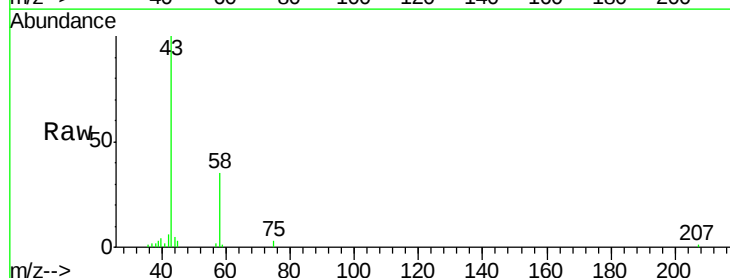
Acq: 17 Aug 2019 00:27

Tgt Ion: 43 Resp: 63333

Ion Ratio Lower Upper

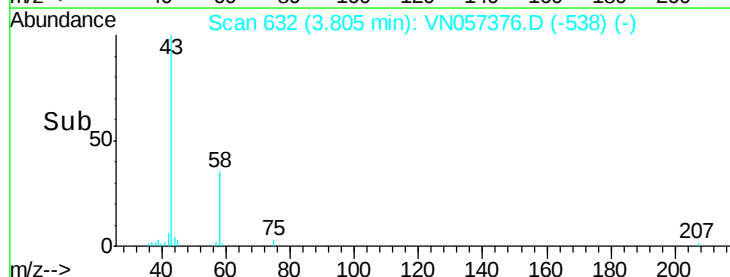
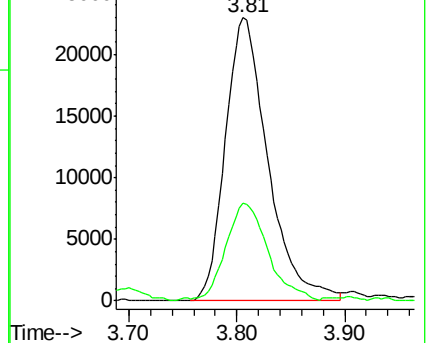
43 100

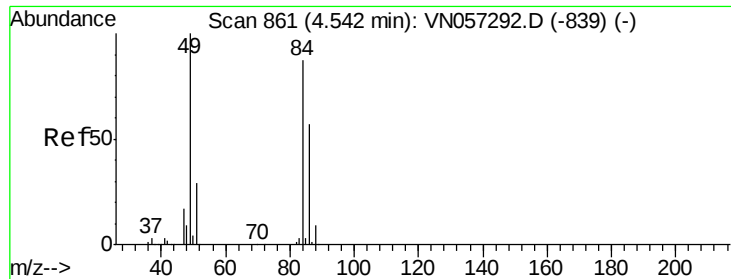
58 33.8 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

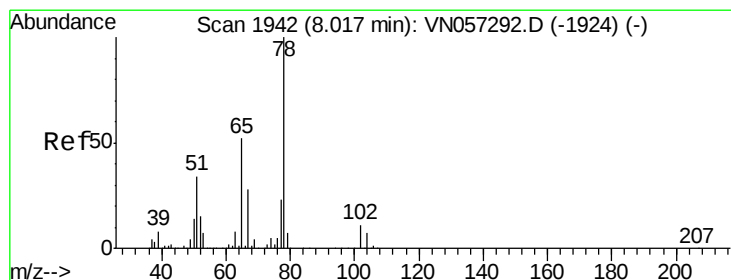
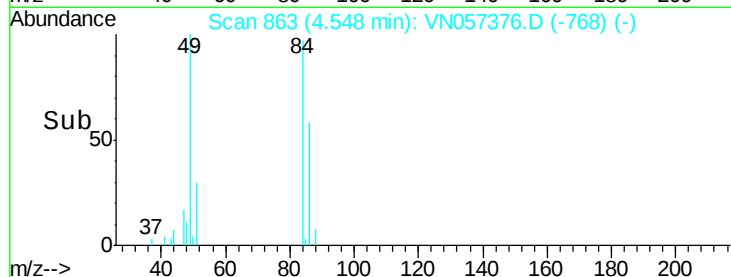
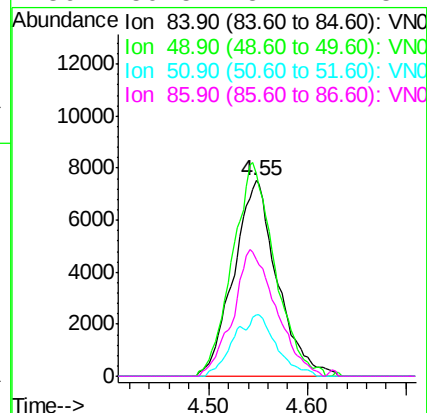
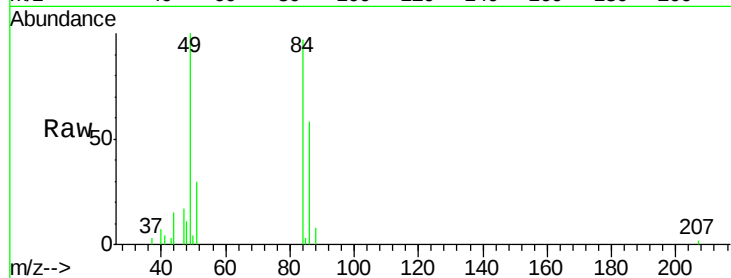




#20  
Methylene Chloride  
Concen: 1.995 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.01 min  
Lab File: VN057376.D  
Acq: 17 Aug 2019 00:27

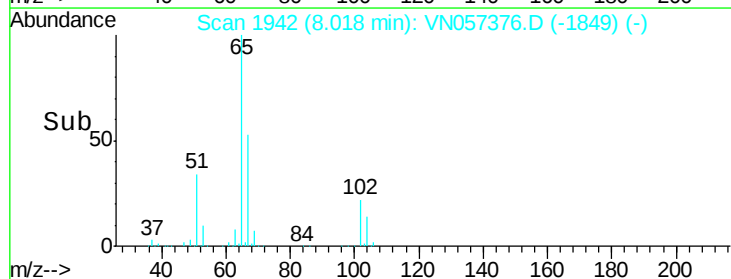
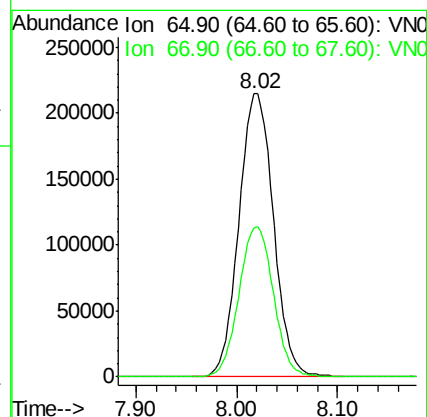
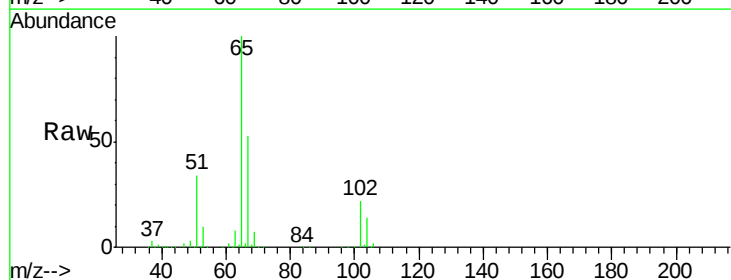
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-7

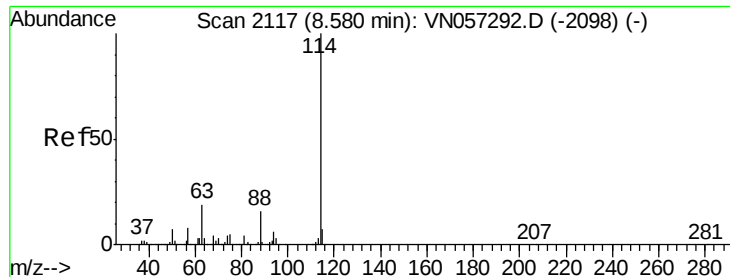
| Tot Ion: | 84    | Resp: | 23027 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 103.5 | 92.0  | 138.0 |
| 51       | 31.5  | 27.1  | 40.7  |
| 86       | 59.5  | 52.2  | 78.2  |



#33  
1,2-Dichloroethane-d4  
Concen: 42.954 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. 0.00 min  
Lab File: VN057376.D  
Acq: 17 Aug 2019 00:27

| Tgt Ion: | 65    | Resp: | 510894 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.1  | 0.0   | 107.4  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057376.D

Acq: 17 Aug 2019 00:27

Instrument :

MSVOA\_N

ClientSampleId :

TP-7

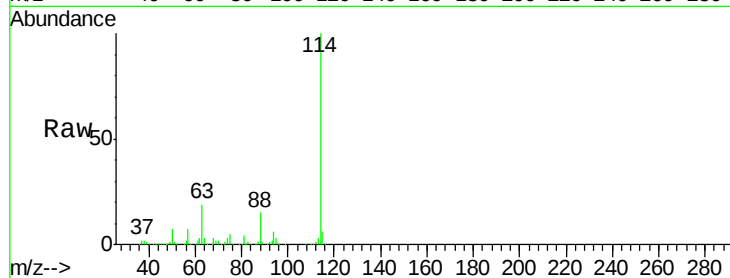
Tot Ion:114 Resp: 1520782

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.8

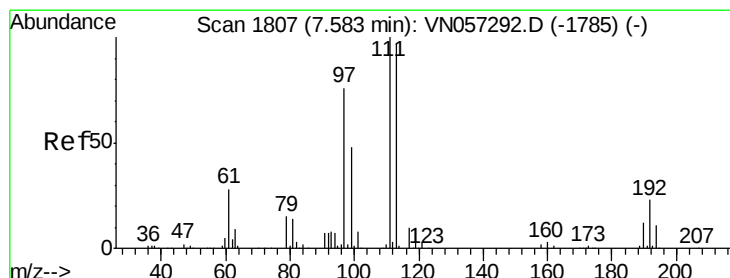
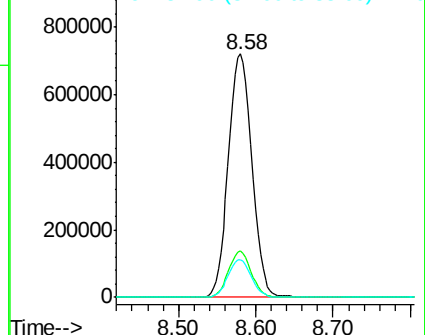
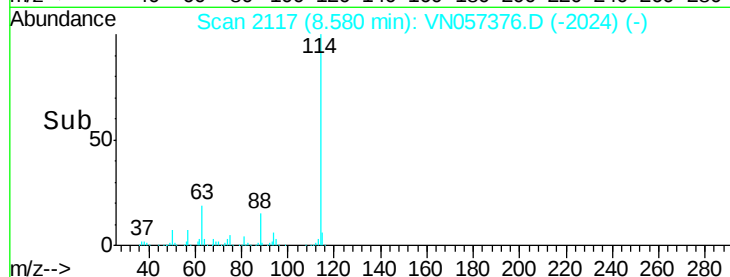
88 15.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.077 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN057376.D

Acq: 17 Aug 2019 00:27

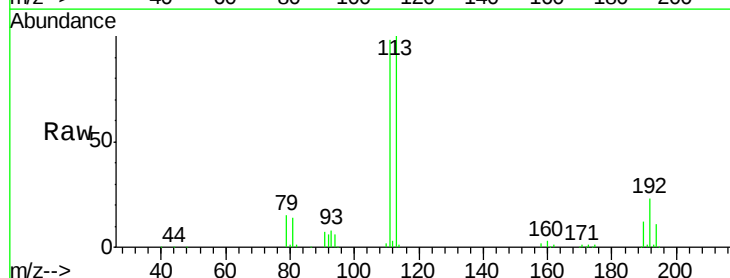
Tgt Ion:113 Resp: 459341

Ion Ratio Lower Upper

113 100

111 101.5 82.1 123.1

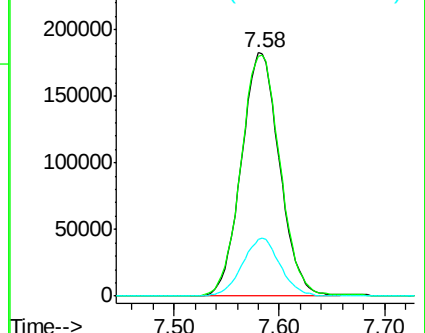
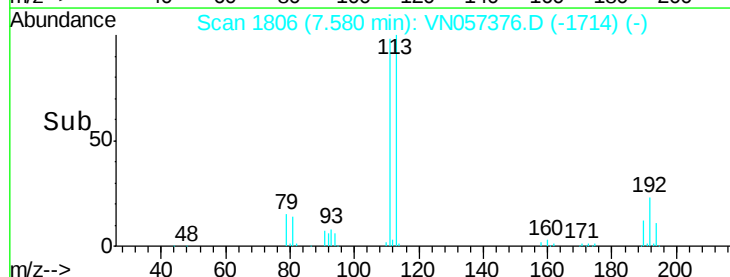
192 23.5 19.3 28.9

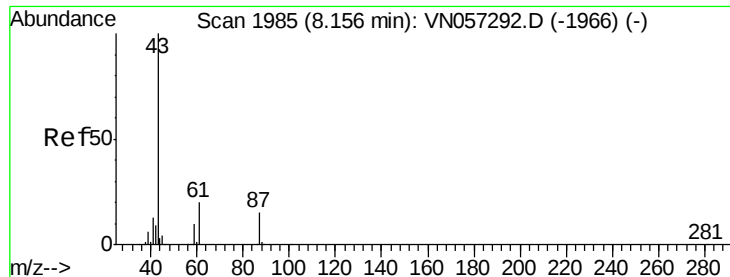


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 8.854 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057376.D

Acq: 17 Aug 2019 00:27

Instrument :

MSVOA\_N

ClientSampled :

TP-7

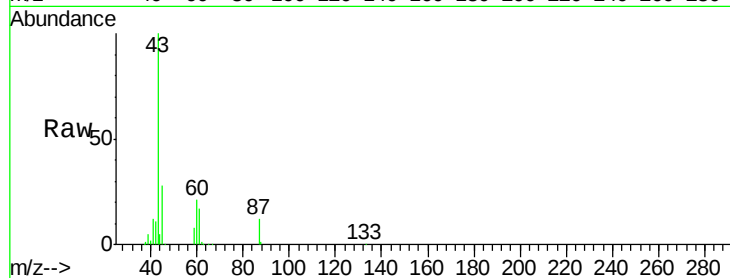
Tot Ion: 43 Resp: 196738

Ion Ratio Lower Upper

43 100

61 14.9 21.6 32.4#

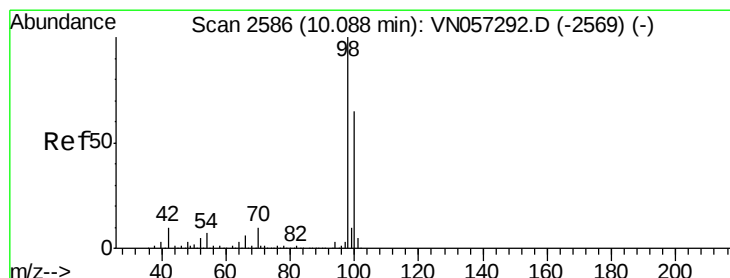
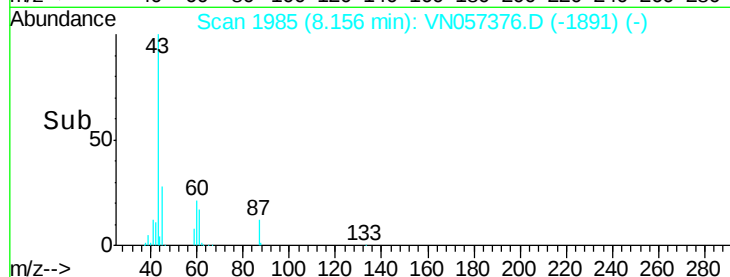
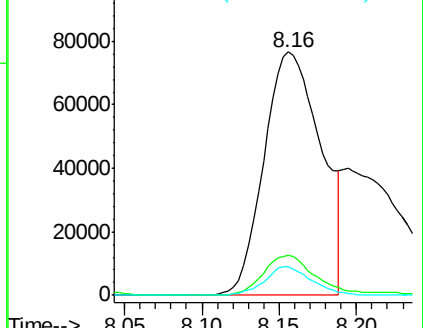
87 9.8 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.547 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057376.D

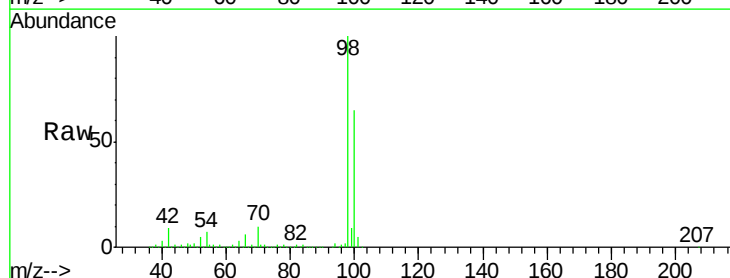
Acq: 17 Aug 2019 00:27

Tgt Ion: 98 Resp: 1770125

Ion Ratio Lower Upper

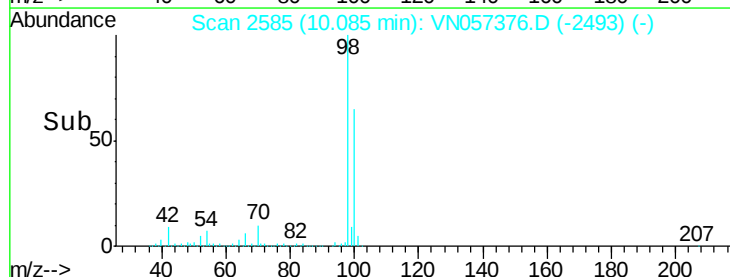
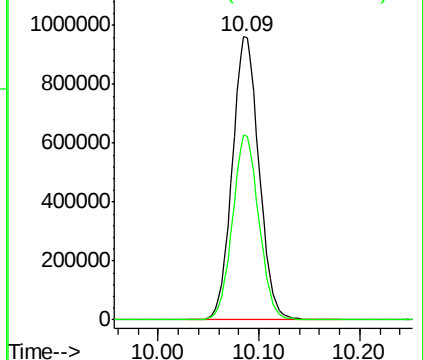
98 100

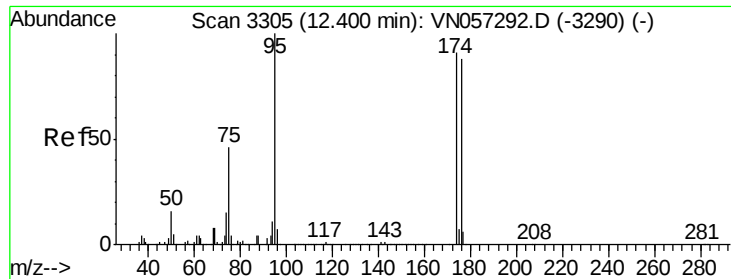
100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

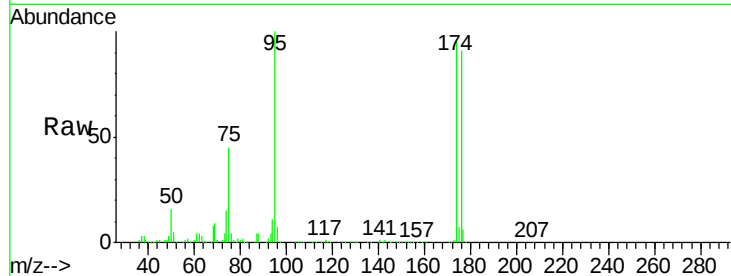




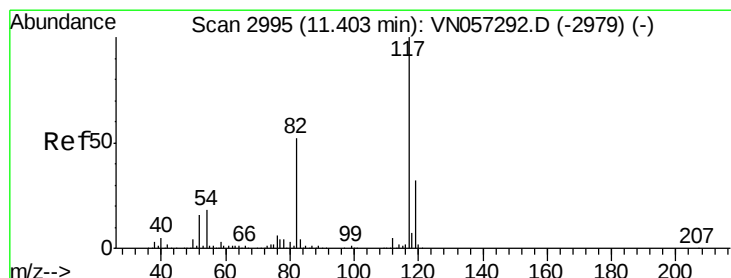
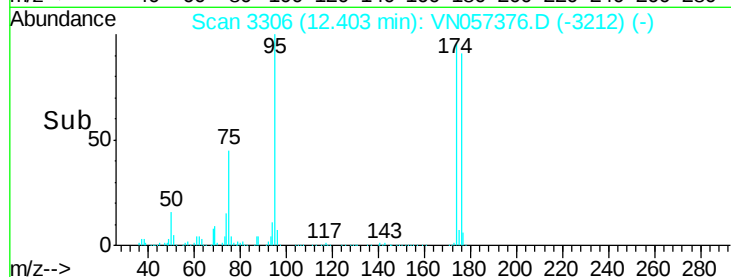
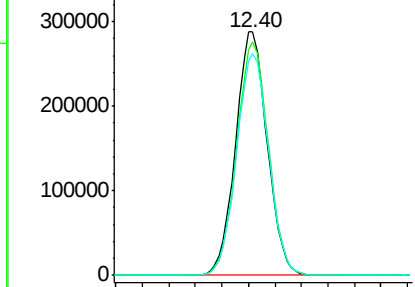
#62  
4-Bromofluorobenzene  
Concen: 36.920 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN057376.D  
Acq: 17 Aug 2019 00:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-7

Tot Ion: 95 Resp: 475731  
Ion Ratio Lower Upper  
95 100  
174 96.5 0.0 185.0  
176 92.6 0.0 181.0

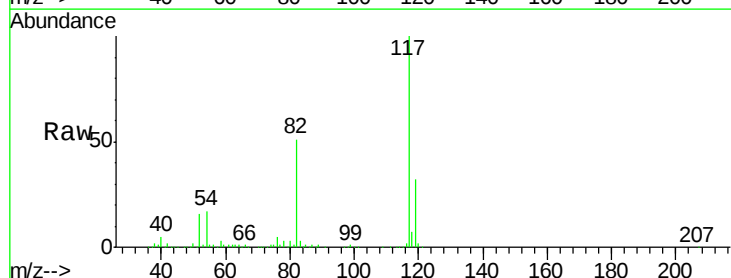


Abundance Ion 94.90 (94.60 to 95.60): VN057292.D (-3290) (-)  
Ion 173.80 (173.50 to 174.50): VN057292.D (-3290) (-)  
Ion 175.80 (175.50 to 176.50): VN057292.D (-3290) (-)

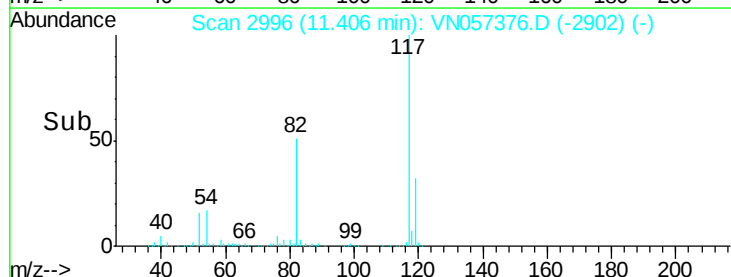
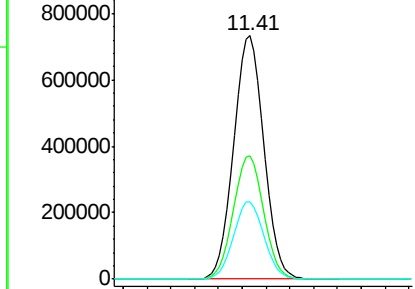


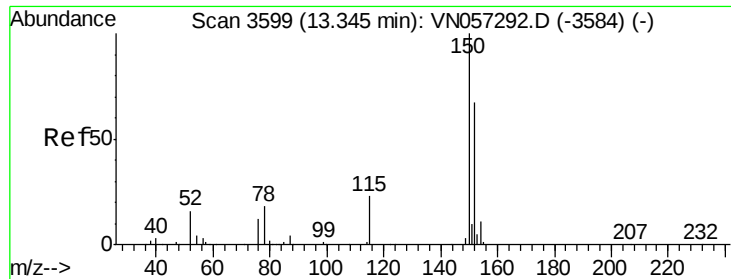
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057376.D  
Acq: 17 Aug 2019 00:27

Tgt Ion: 117 Resp: 1287272  
Ion Ratio Lower Upper  
117 100  
82 50.8 41.2 61.8  
119 31.9 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VN057292.D (-2979) (-)  
Ion 82.00 (81.70 to 82.70): VN057292.D (-2979) (-)  
Ion 118.90 (118.60 to 119.60): VN057292.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057376.D

Acq: 17 Aug 2019 00:27

Instrument :

MSVOA\_N

ClientSampleId :

TP-7

Tot Ion:152 Resp: 346991

Ion Ratio Lower Upper

152 100

115 55.1 27.3 81.9

150 157.4 0.0 344.4

