

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\  
 Data File : VN057434.D  
 Acq On : 20 Aug 2019 6:04  
 Operator : JC/SP  
 Sample : K4386-39  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T6-A4-(2)

Quant Time: Aug 20 09:41:52 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

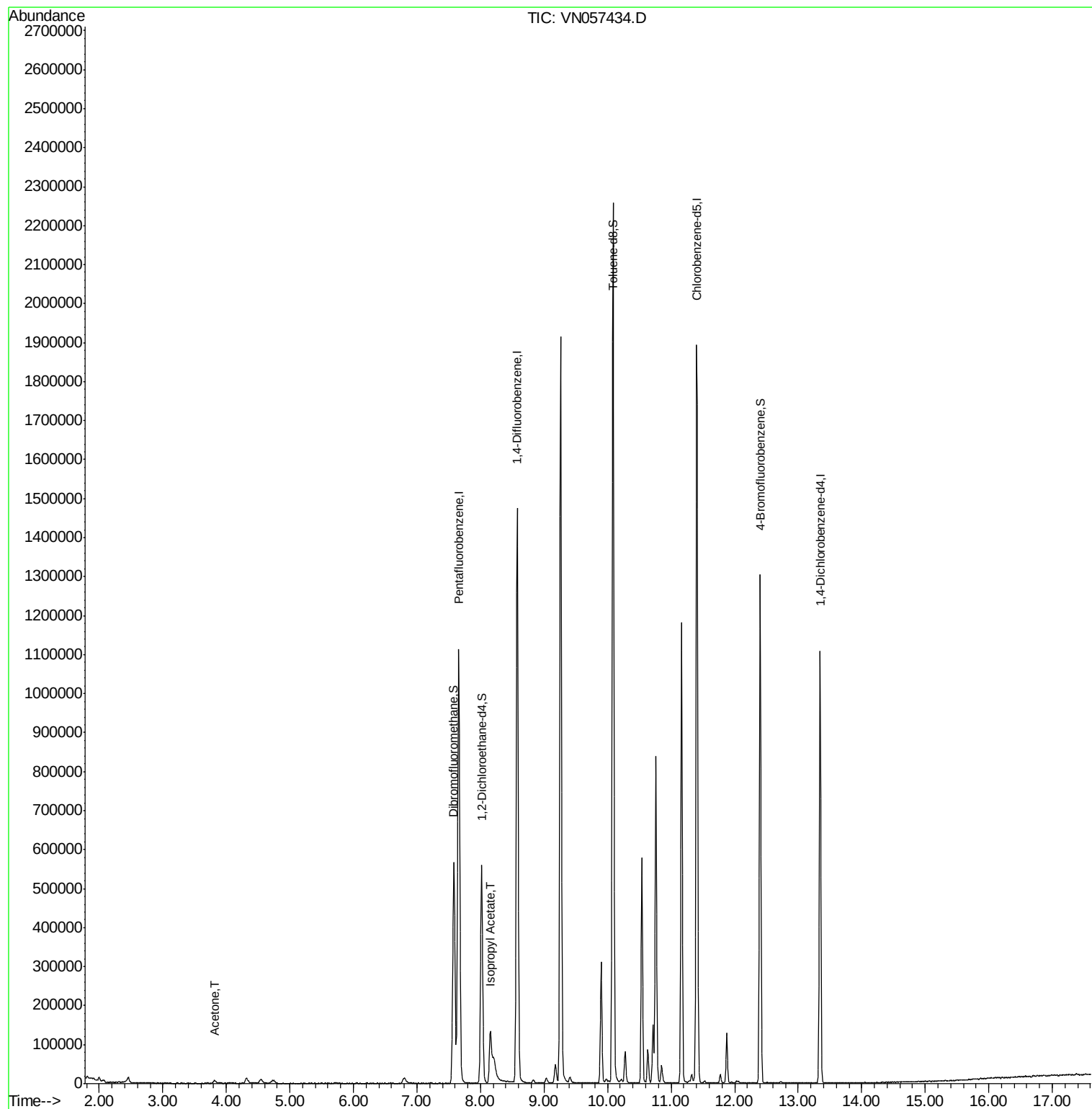
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 1016176  | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 1417972  | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1206469  | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 332991   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 482469   | 43.67 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.34% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 435194   | 46.82 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.64% |          |
| 50) Toluene-d8              | 10.08 | 98   | 1646215  | 48.42 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.84% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 445740   | 37.10 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 74.20% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 3.81  | 43   | 12214    | 3.187 | ug/l   | 95       |
| 43) Isopropyl Acetate       | 8.16  | 43   | 159817   | 7.565 | ug/l # | 86       |

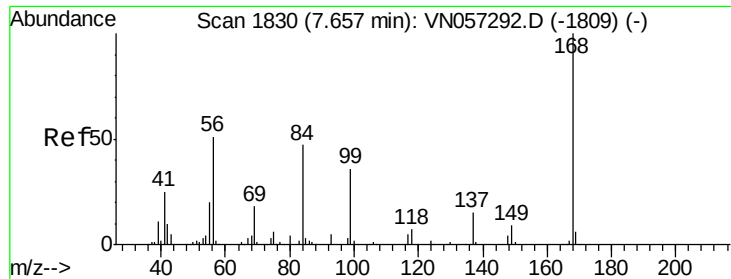
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
Quant Title : SW846 8260  
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# 1830

Delta R.T. 0.00 min

Lab File: VN057434.D

Acq: 20 Aug 2019 6:04

Instrument :

MSVOA\_N

ClientSampled :

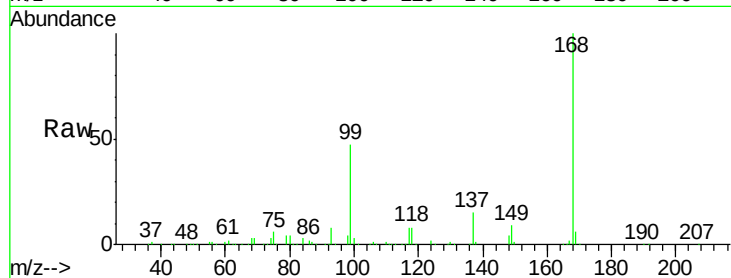
T6-A4-(2)

Tot Ion:168 Resp: 1016176

Ion Ratio Lower Upper

168 100

99 47.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN057434.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN057434.D (-1737) (-)

7.66

400000

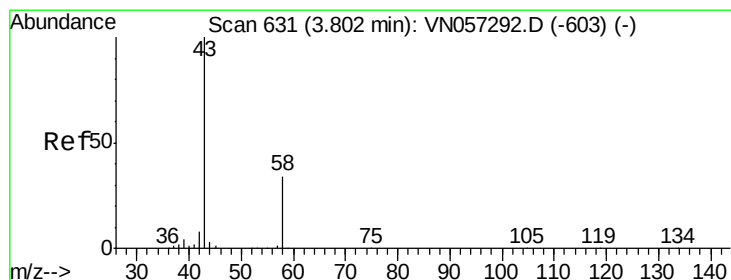
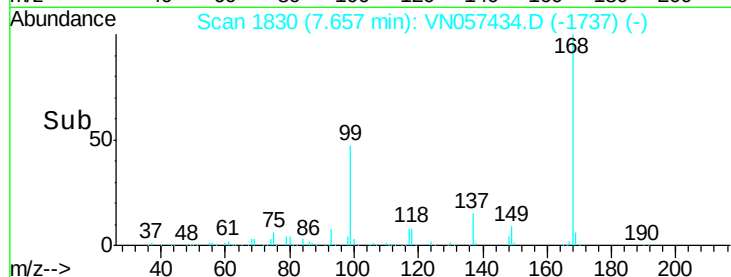
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.187 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN057434.D

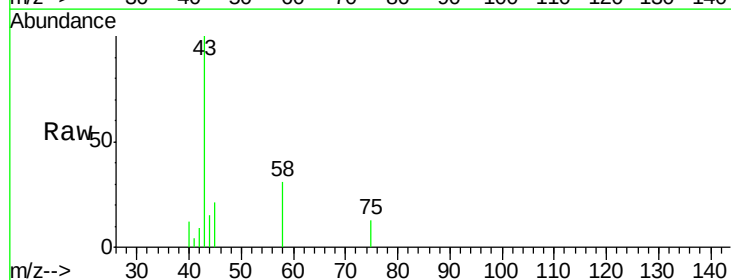
Acq: 20 Aug 2019 6:04

Tgt Ion: 43 Resp: 12214

Ion Ratio Lower Upper

43 100

58 30.9 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN057434.D (-538) (-)

Ion 58.00 (57.70 to 58.70): VN057434.D (-538) (-)

3.81

5000

4000

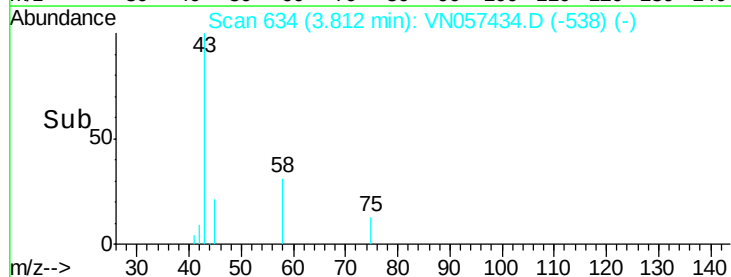
3000

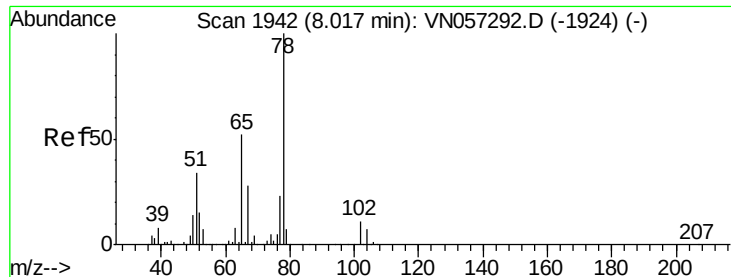
2000

1000

0

Time-->

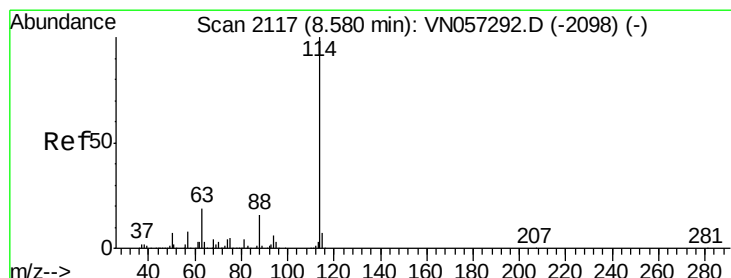
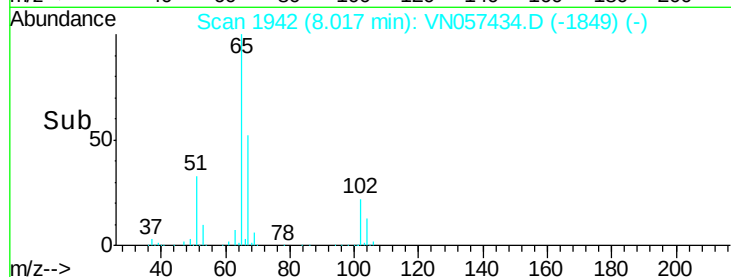
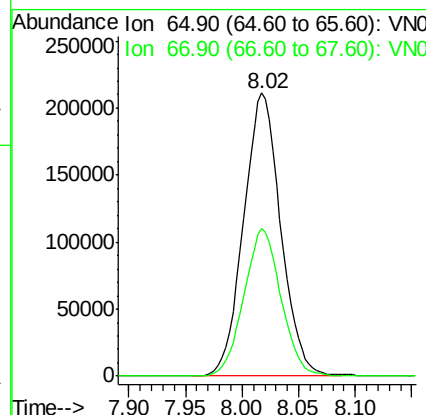
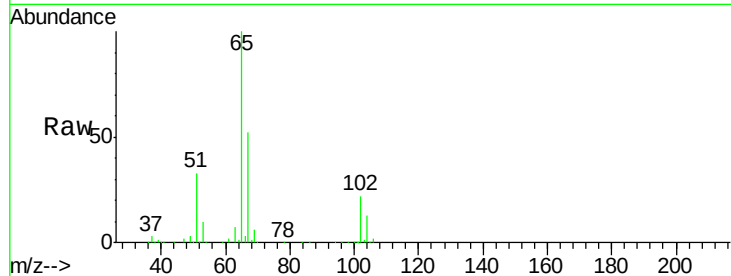




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.674 ug/l  
 RT: 8.02 min Scan# 1942  
 Delta R.T. 0.00 min  
 Lab File: VN057434.D  
 Acq: 20 Aug 2019 6:04

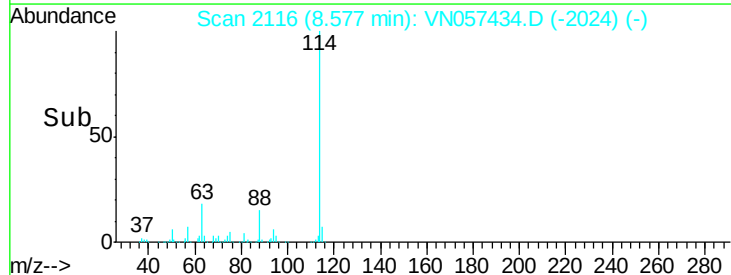
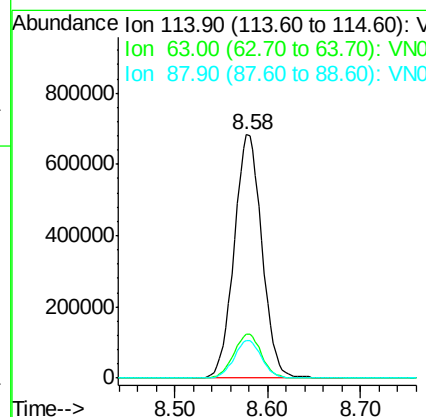
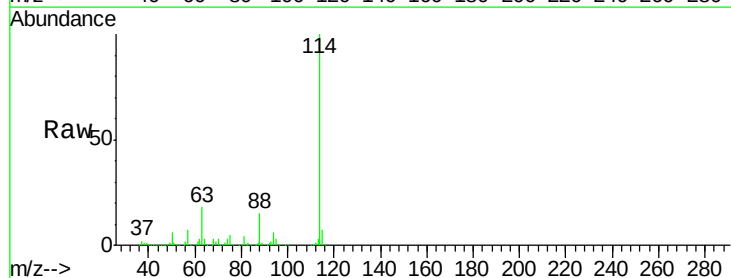
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T6-A4-(2)

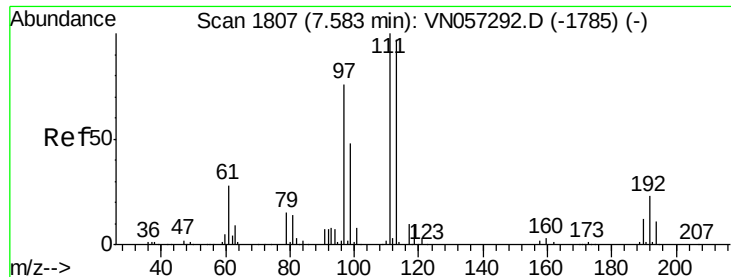
Tot Ion: 65 Resp: 482469  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. -0.00 min  
 Lab File: VN057434.D  
 Acq: 20 Aug 2019 6:04

Tgt Ion: 114 Resp: 1417972  
 Ion Ratio Lower Upper  
 114 100  
 63 17.9 0.0 38.8  
 88 15.5 0.0 31.4

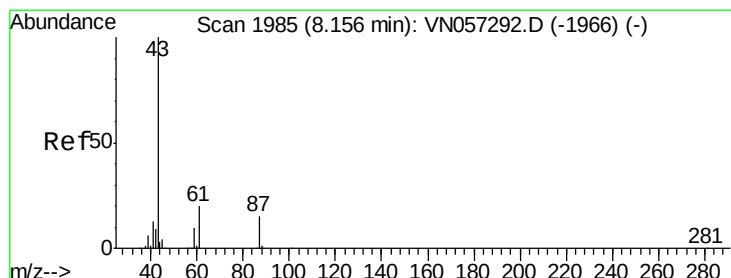
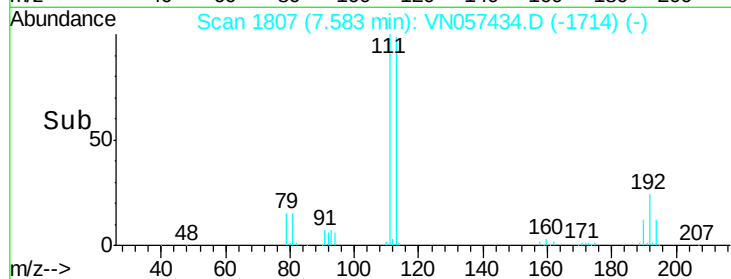
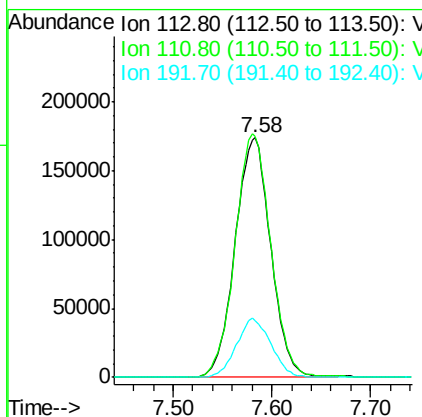
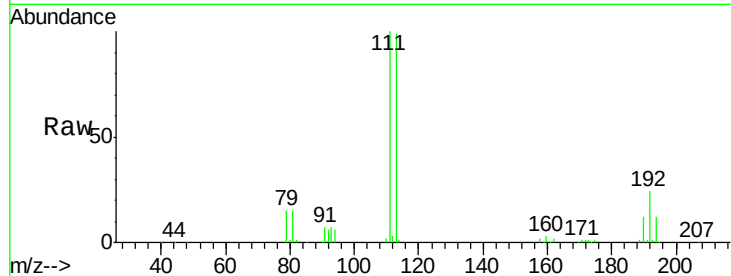




#35  
 Dibromofluoromethane  
 Concen: 46.820 ug/l  
 RT: 7.58 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN057434.D  
 Acq: 20 Aug 2019 6:04

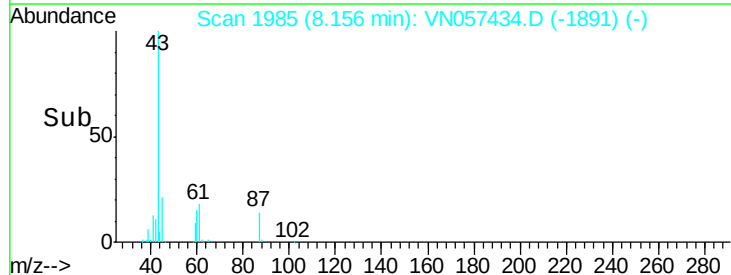
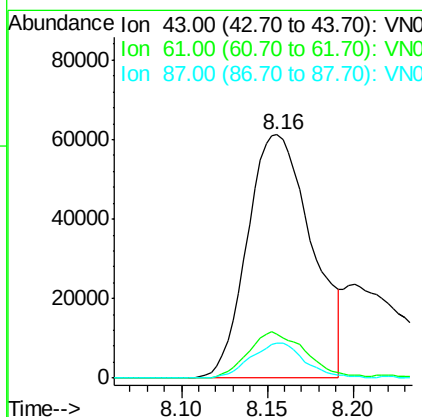
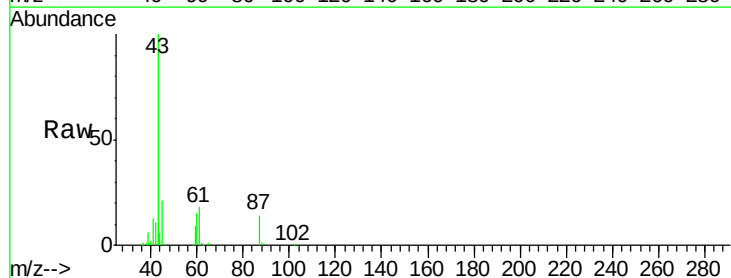
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T6-A4-(2)

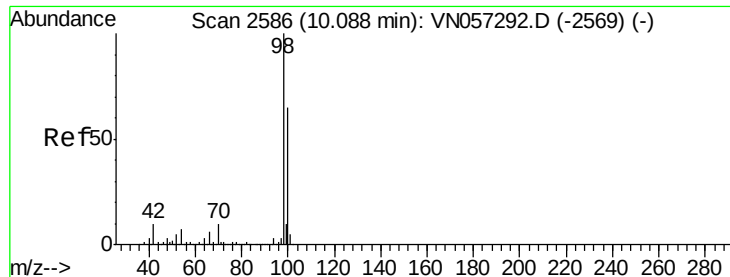
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.1 | 82.1  | 123.1 |
| 192     | 23.8  | 19.3  | 28.9  |



#43  
 Isopropyl Acetate  
 Concen: 7.565 ug/l  
 RT: 8.16 min Scan# 1985  
 Delta R.T. 0.00 min  
 Lab File: VN057434.D  
 Acq: 20 Aug 2019 6:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.1  | 21.6  | 32.4# |
| 87      | 12.1  | 11.4  | 17.0  |





#50

Toluene-d8

Concen: 48.422 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057434.D

Acq: 20 Aug 2019 6:04

Instrument :

MSVOA\_N

ClientSampled :

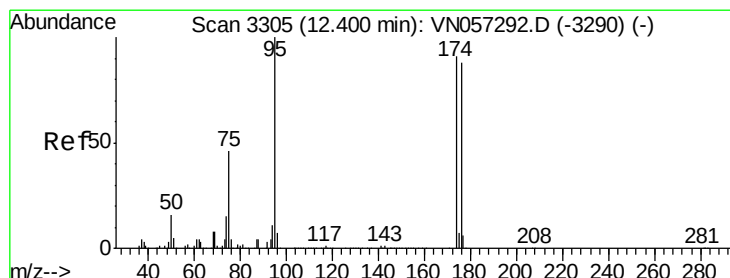
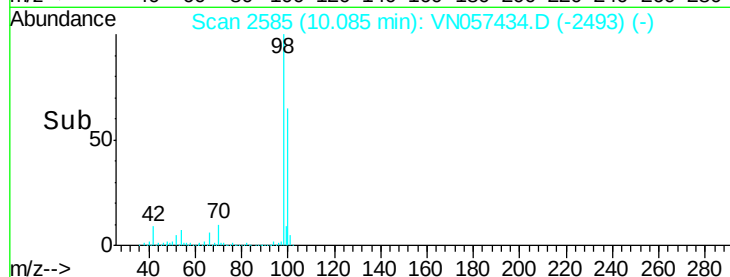
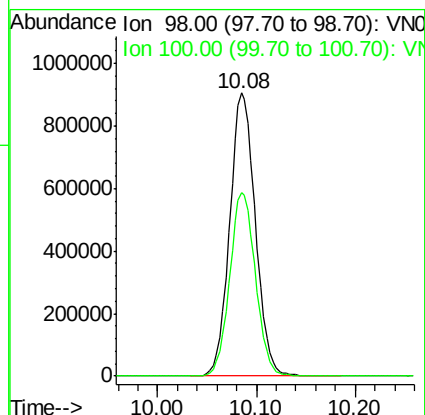
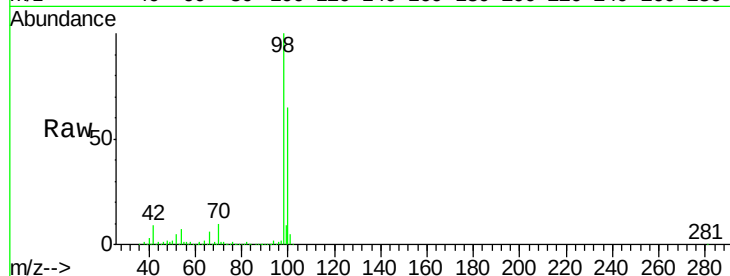
T6-A4-(2)

Tot Ion: 98 Resp: 1646215

Ion Ratio Lower Upper

98 100

100 65.1 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 37.101 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057434.D

Acq: 20 Aug 2019 6:04

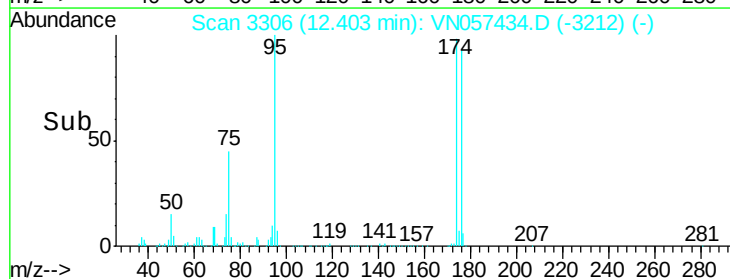
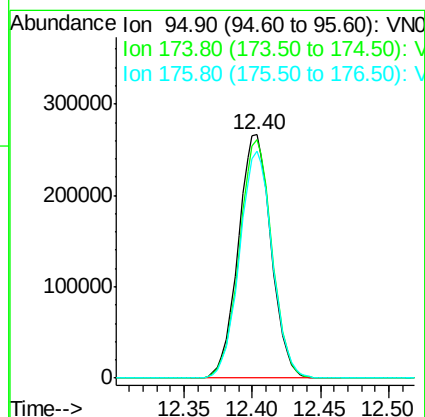
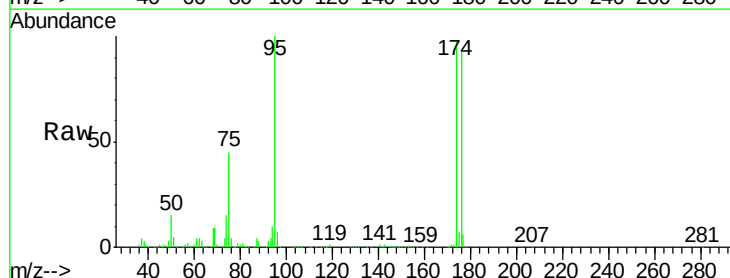
Tgt Ion: 95 Resp: 445740

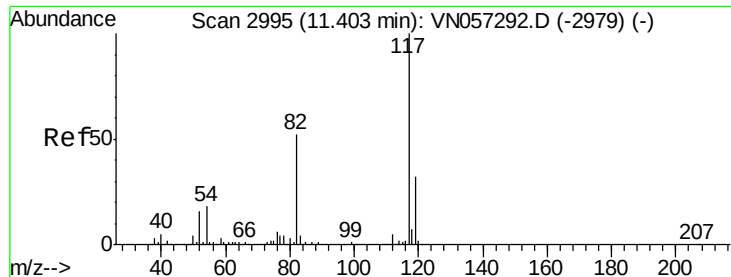
Ion Ratio Lower Upper

95 100

174 96.7 0.0 185.0

176 92.9 0.0 181.0

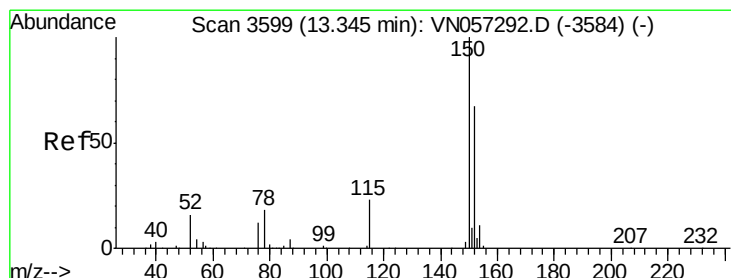
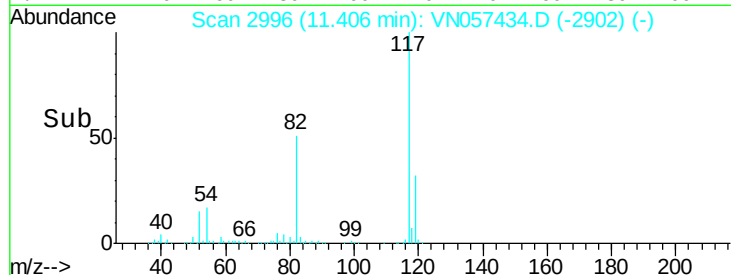
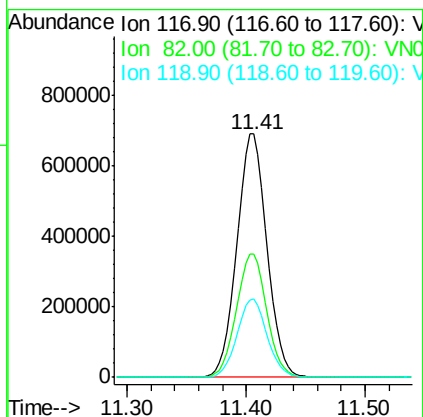
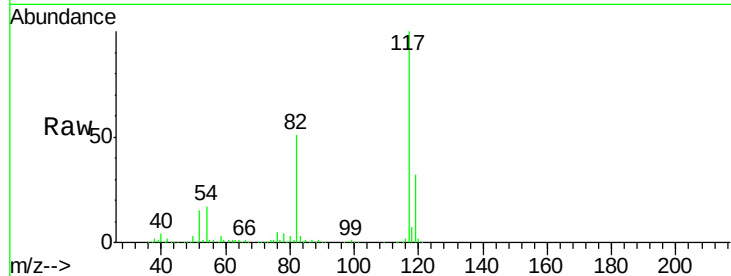




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057434.D  
Acq: 20 Aug 2019 6:04

Instrument :  
MSVOA\_N  
ClientSampled :  
T6-A4-(2)

Tot Ion:117 Resp: 1206469  
Ion Ratio Lower Upper  
117 100  
82 50.8 41.2 61.8  
119 32.1 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN057434.D  
Acq: 20 Aug 2019 6:04

Tgt Ion:152 Resp: 332991  
Ion Ratio Lower Upper  
152 100  
115 54.7 27.3 81.9  
150 155.6 0.0 344.4

