

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\  
 Data File : VN058725.D  
 Acq On : 12 Oct 2019 00:49  
 Operator : JC/SP  
 Sample : PB123847TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB123847TB

Quant Time: Oct 12 01:21:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 12 00:00:30 2019  
 Response via : Initial Calibration

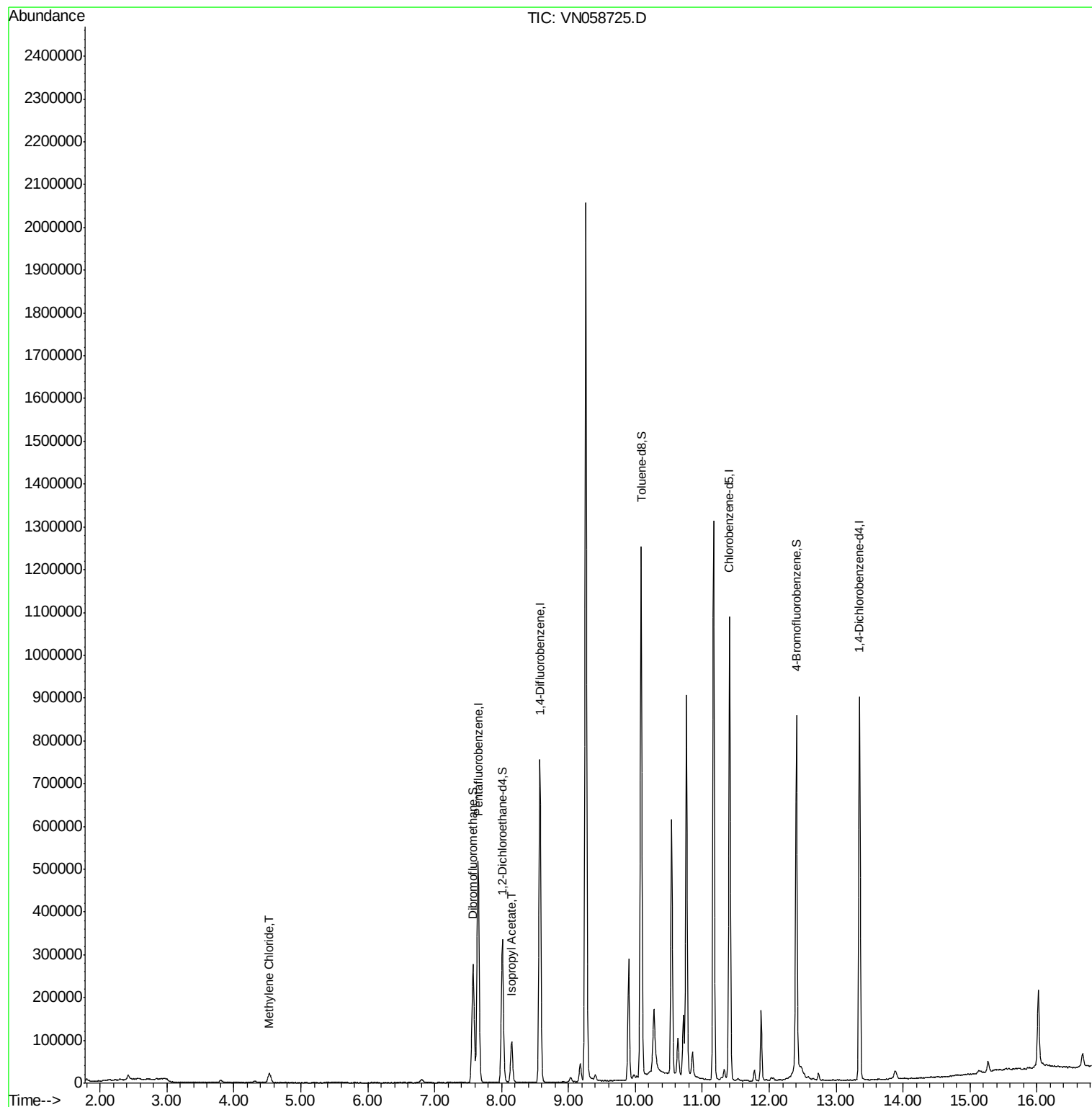
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 407112   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 643823   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 588165   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 227833   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 289777   | 50.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.68% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 208879   | 52.52  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.04% |          |
| 50) Toluene-d8              | 10.08 | 98   | 829852   | 52.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.36% |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 272562   | 45.28  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.56%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 4.53  | 84   | 16407    | 3.327  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 117000   | 10.433 | ug/l #  | 89       |

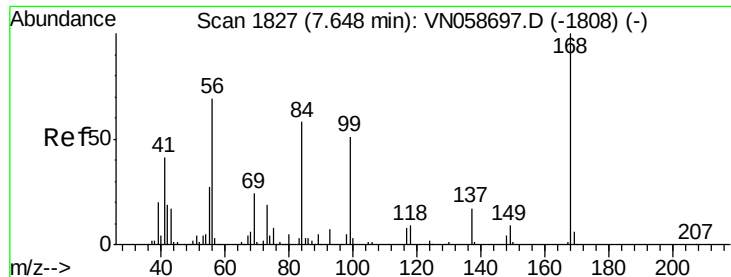
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Oct 12 00:00:30 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058725.D

Acq: 12 Oct 2019 00:49

Instrument :

MSVOA\_N

ClientSampleId :

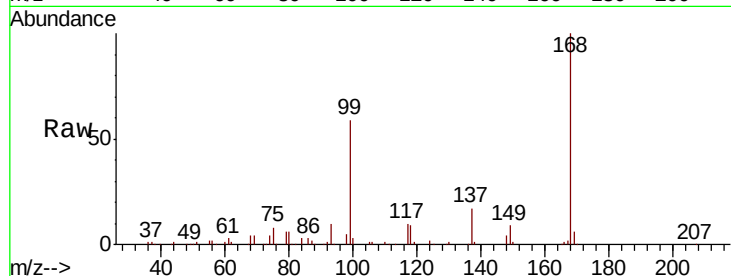
PB123847TB

Tot Ion:168 Resp: 407112

Ion Ratio Lower Upper

168 100

99 59.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VN058697.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058697.D (-1808) (-)

7.65

150000

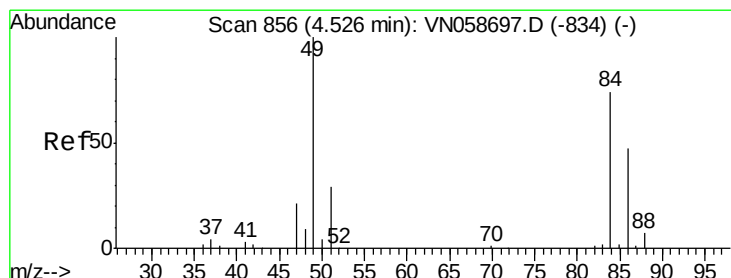
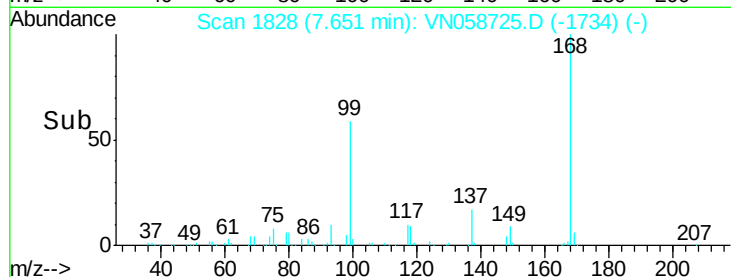
100000

50000

0

7.60 7.70

Time-->



#20

Methylene Chloride

Concen: 3.327 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN058725.D

Acq: 12 Oct 2019 00:49

Tgt Ion: 84 Resp: 16407

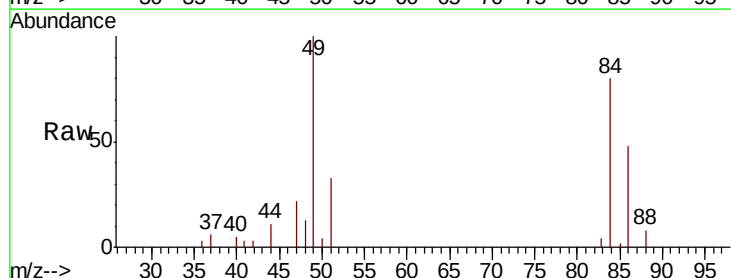
Ion Ratio Lower Upper

84 100

49 125.4 107.6 161.4

51 41.1 31.4 47.0

86 60.2 50.3 75.5



Abundance Ion 83.90 (83.60 to 84.60): VN058697.D (-834) (-)

Ion 48.90 (48.60 to 49.60): VN058697.D (-834) (-)

Ion 50.90 (50.60 to 51.60): VN058697.D (-834) (-)

Ion 85.90 (85.60 to 86.60): VN058697.D (-834) (-)

10000

8000

6000

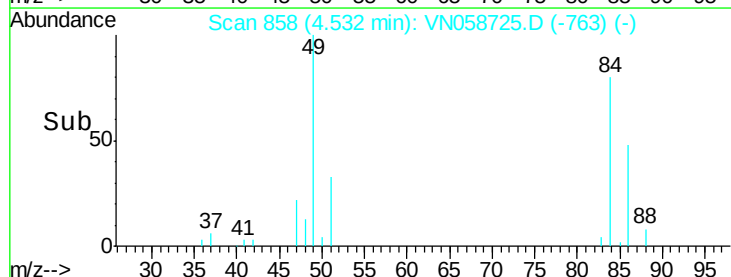
4000

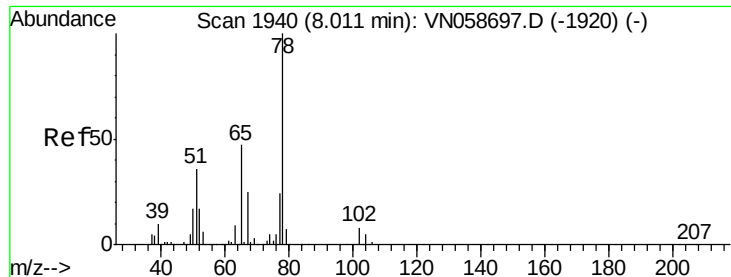
2000

0

4.45 4.50 4.55 4.60

Time-->

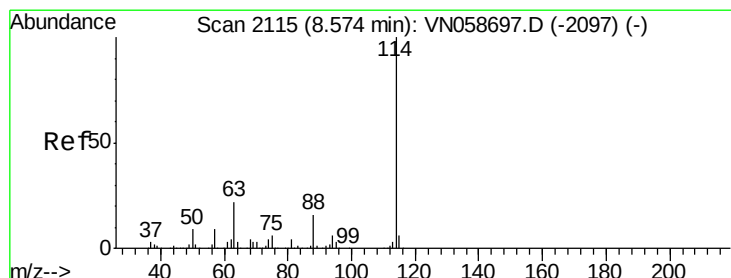
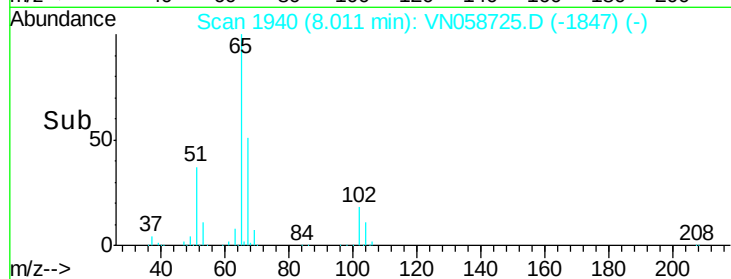
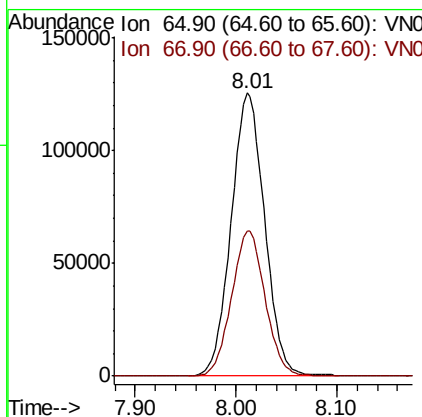
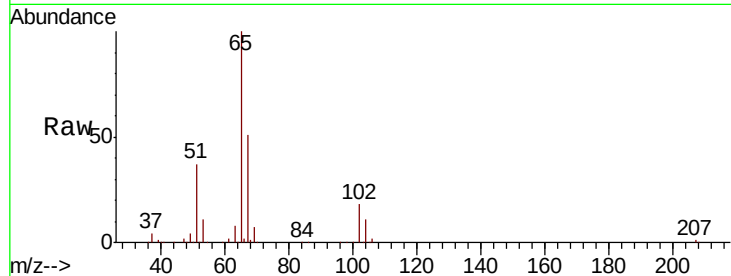




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.843 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. -0.00 min  
 Lab File: VN058725.D  
 Acq: 12 Oct 2019 00:49

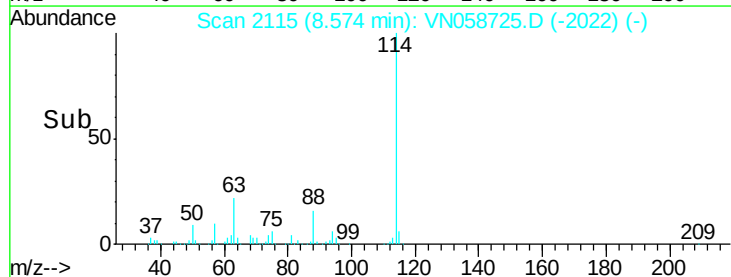
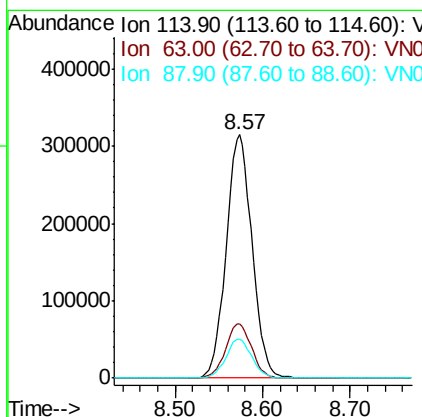
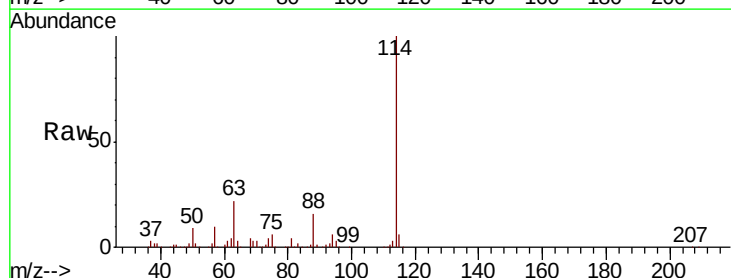
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PB123847TB

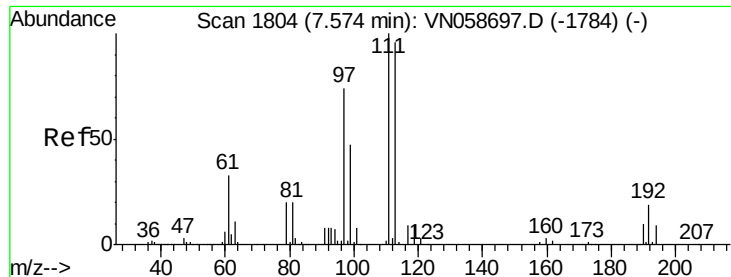
Tot Ion: 65 Resp: 289777  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. -0.00 min  
 Lab File: VN058725.D  
 Acq: 12 Oct 2019 00:49

Tgt Ion: 114 Resp: 643823  
 Ion Ratio Lower Upper  
 114 100  
 63 22.4 0.0 43.8  
 88 15.9 0.0 32.0

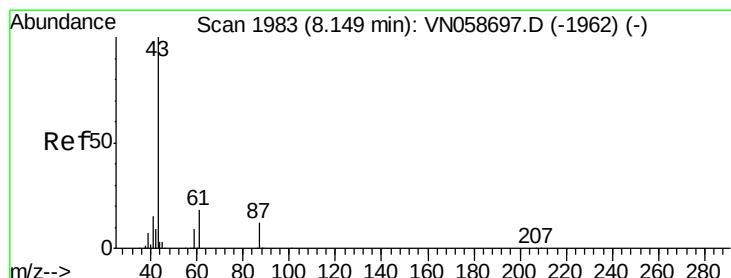
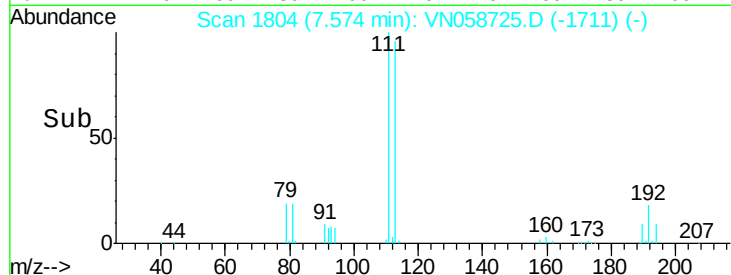
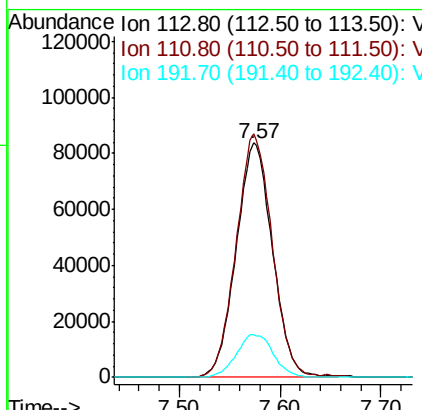
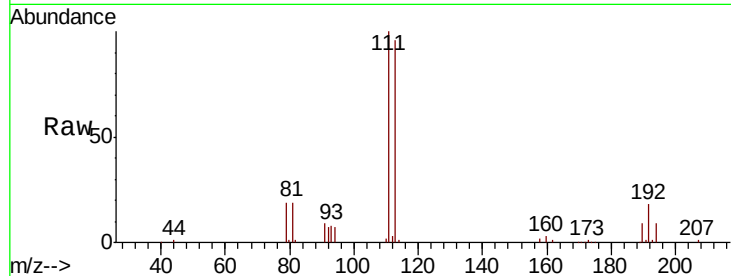




#35  
 Dibromofluoromethane  
 Concen: 52.525 ug/l  
 RT: 7.57 min Scan# 1804  
 Delta R.T. -0.00 min  
 Lab File: VN058725.D  
 Acq: 12 Oct 2019 00:49

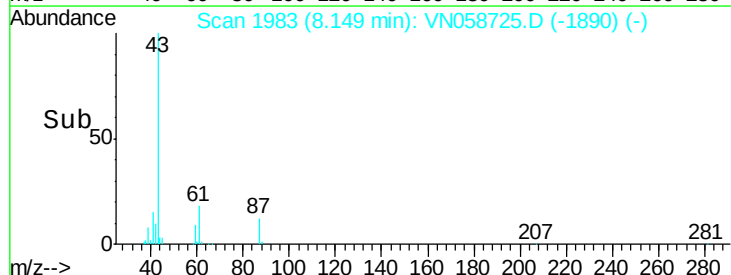
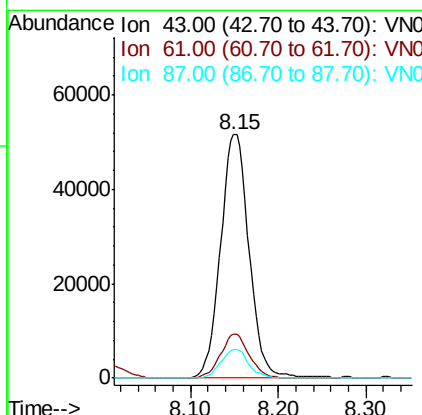
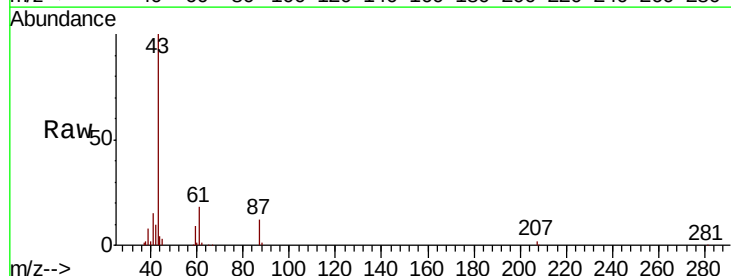
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB123847TB

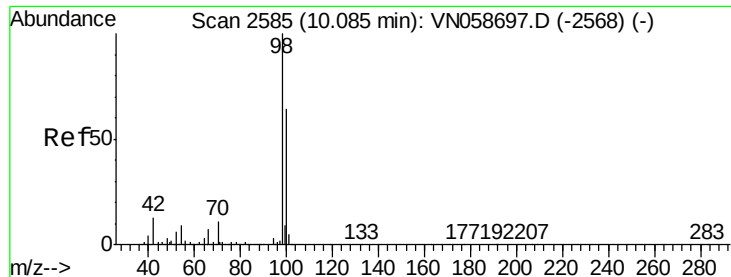
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.8 | 82.3  | 123.5 |
| 192     | 18.7  | 15.0  | 22.6  |



#43  
 Isopropyl Acetate  
 Concen: 10.433 ug/l  
 RT: 8.15 min Scan# 1983  
 Delta R.T. -0.00 min  
 Lab File: VN058725.D  
 Acq: 12 Oct 2019 00:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.0  | 20.3  | 30.5# |
| 87      | 11.4  | 9.8   | 14.6  |

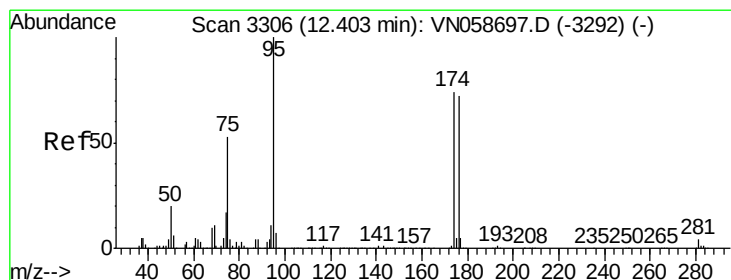
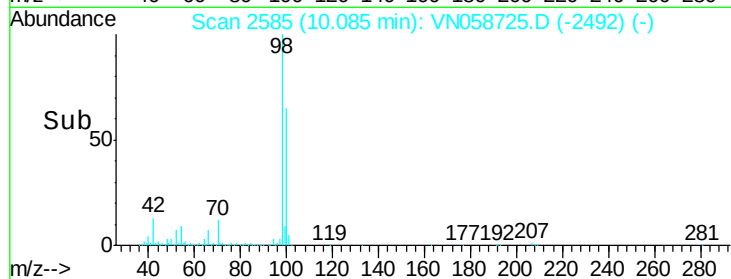
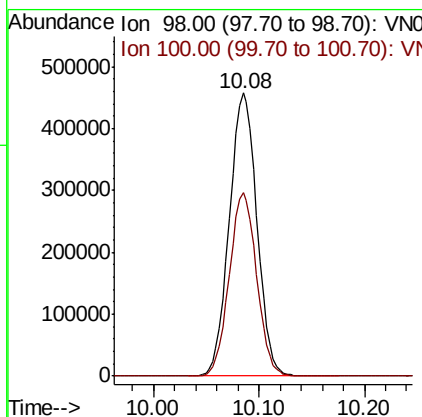
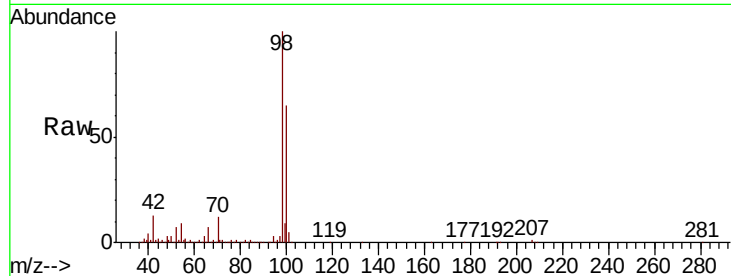




#50  
Toluene-d8  
Concen: 52.184 ug/l  
RT: 10.08 min Scan# 2585  
Delta R.T. -0.00 min  
Lab File: VN058725.D  
Acq: 12 Oct 2019 00:49

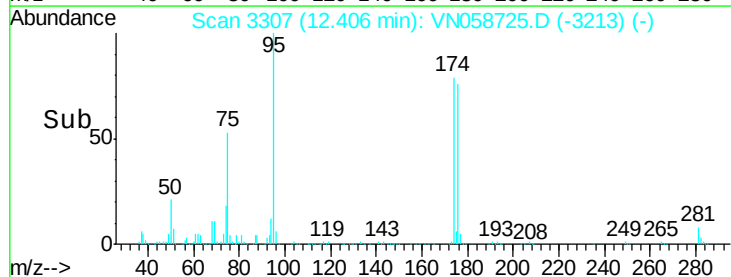
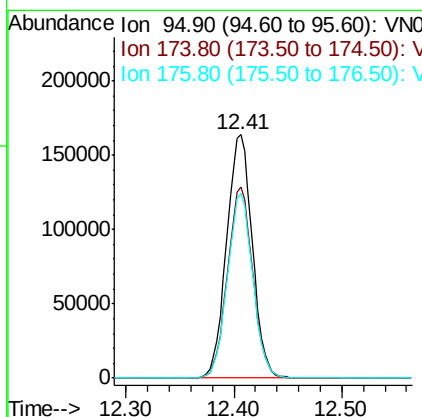
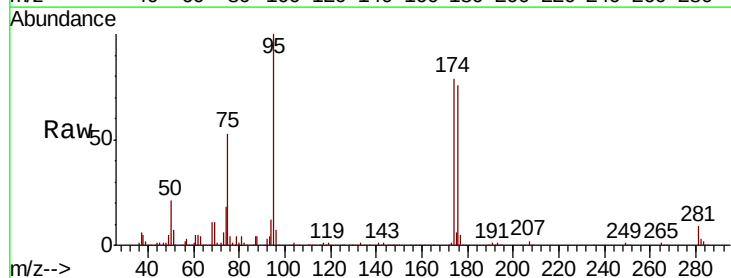
Instrument :  
MSVOA\_N  
ClientSampled :  
PB123847TB

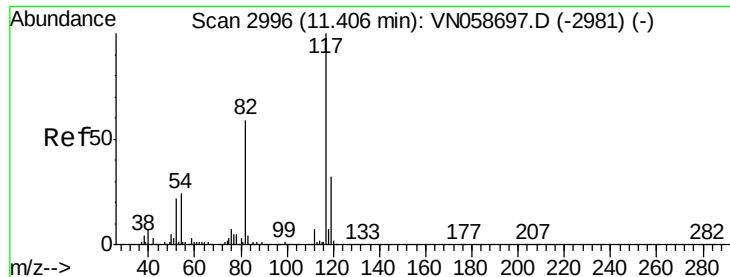
Tot Ion: 98 Resp: 829852  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.1 76.7



#62  
4-Bromofluorobenzene  
Concen: 45.279 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.00 min  
Lab File: VN058725.D  
Acq: 12 Oct 2019 00:49

Tgt Ion: 95 Resp: 272562  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 150.4  
176 74.6 0.0 146.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058725.D

Acq: 12 Oct 2019 00:49

Instrument :

MSVOA\_N

ClientSampled :

PB123847TB

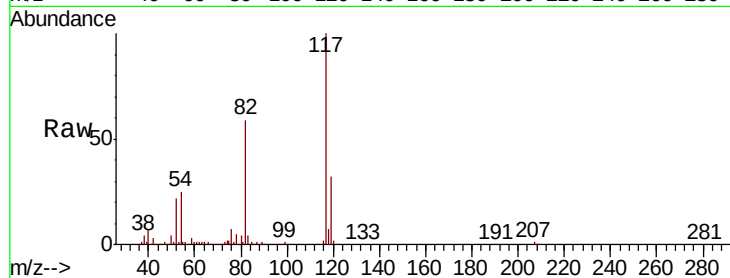
Tot Ion:117 Resp: 588165

Ion Ratio Lower Upper

117 100

82 59.2 47.0 70.4

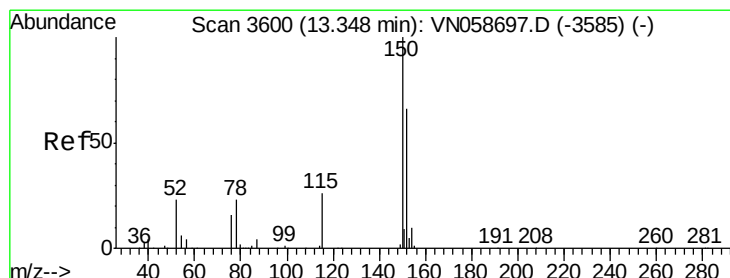
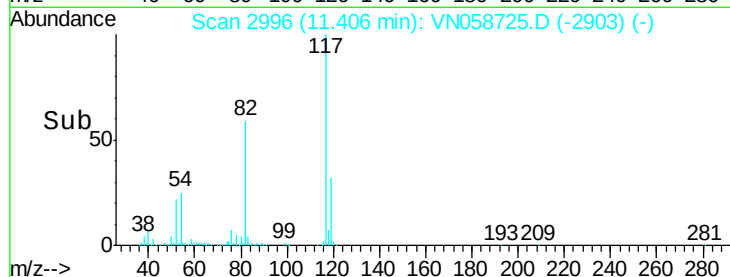
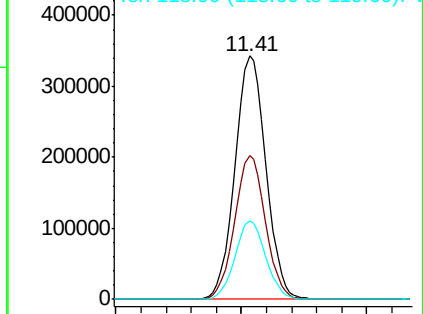
119 32.3 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058725.D

Acq: 12 Oct 2019 00:49

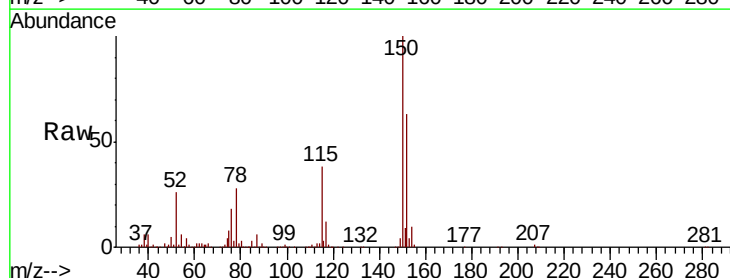
Tgt Ion:152 Resp: 227833

Ion Ratio Lower Upper

152 100

115 61.7 30.4 91.2

150 159.8 0.0 345.4



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

