

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\  
 Data File : VN059377.D  
 Acq On : 22 Nov 2019 19:48  
 Operator : JC/SP  
 Sample : PB125021TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB125021TB

Quant Time: Nov 22 23:08:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 08:44:45 2019  
 Response via : Initial Calibration

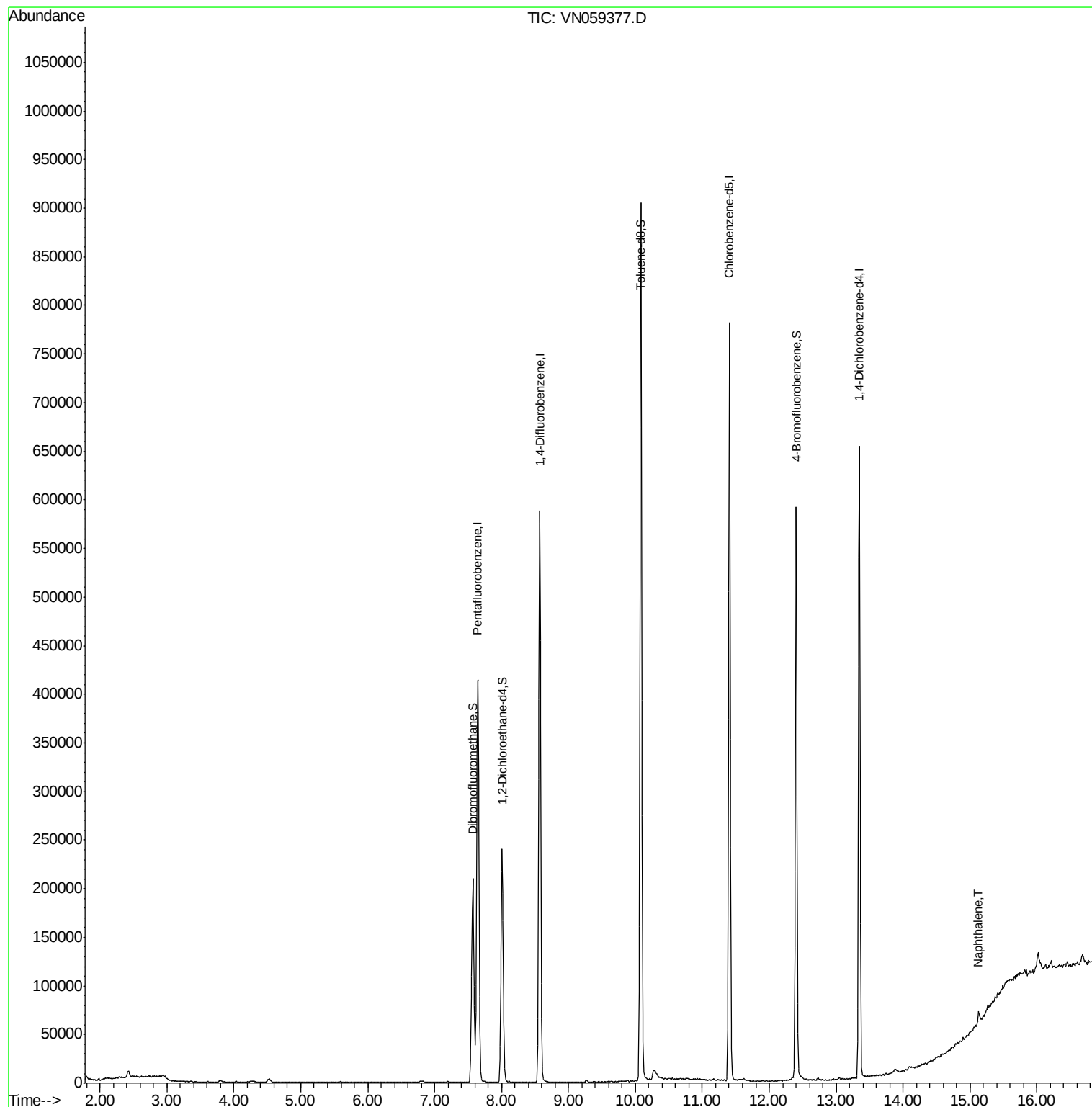
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 354237   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 540355   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 472446   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 182531   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 202168   | 47.57 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.14%  |           |
| 35) Dibromofluoromethane    | 7.57  | 113  | 162258   | 50.05 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.10% |           |
| 50) Toluene-d8              | 10.08 | 98   | 655356   | 50.85 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.70% |           |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 213628   | 47.41 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.82%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 95) Naphthalene             | 15.13 | 128  | 8262     | 3.887 | ug/l    | Qvalue 96 |

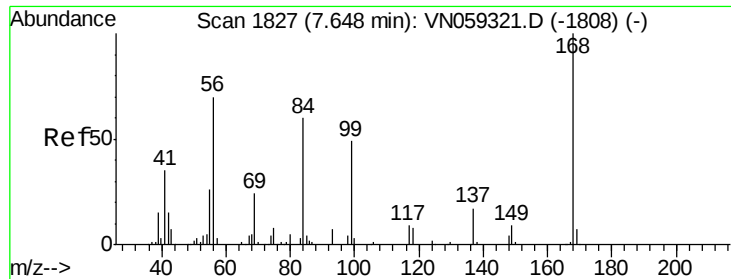
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Nov 21 08:44:45 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

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Acq: 22 Nov 2019 19:48

Instrument :

MSVOA\_N

ClientSampleId :

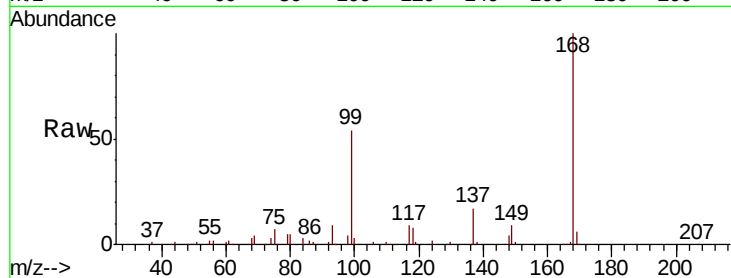
PB125021TB

Tot Ion:168 Resp: 354237

Ion Ratio Lower Upper

168 100

99 53.9 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059321.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN059321.D (-1808) (-)

7.65

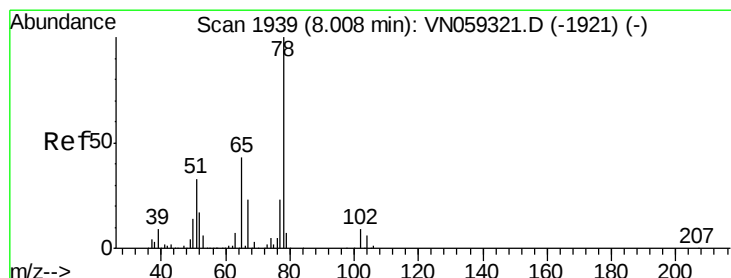
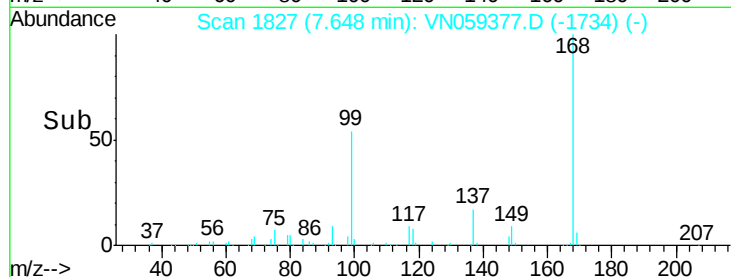
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.566 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059377.D

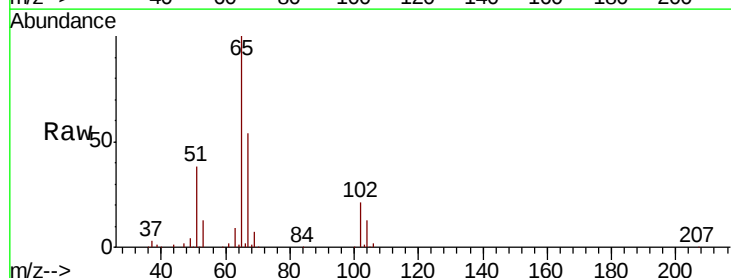
Acq: 22 Nov 2019 19:48

Tgt Ion: 65 Resp: 202168

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VN059321.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN059321.D (-1921) (-)

8.01

100000

80000

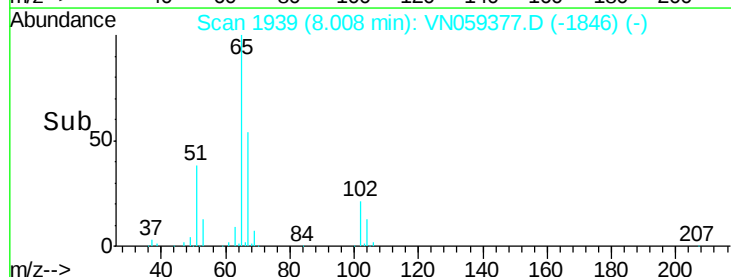
60000

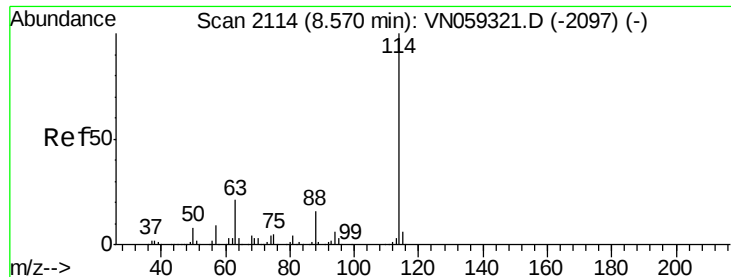
40000

20000

0

Time-->

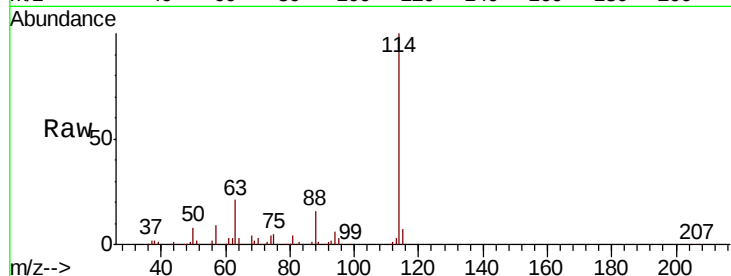




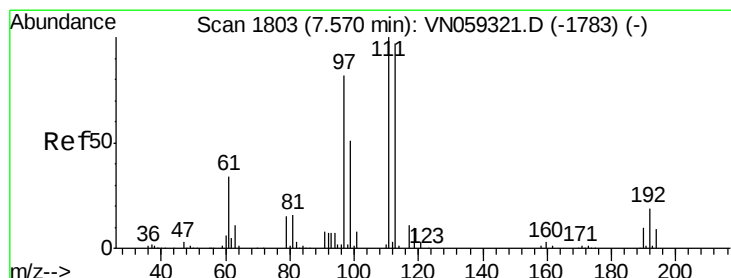
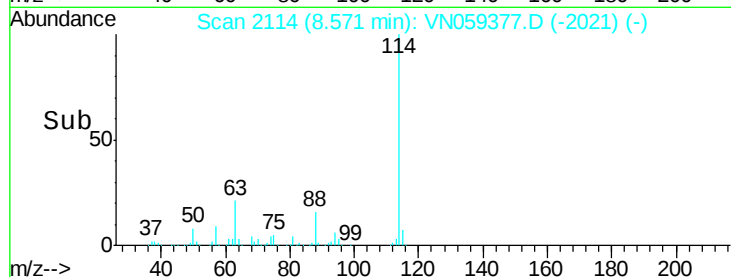
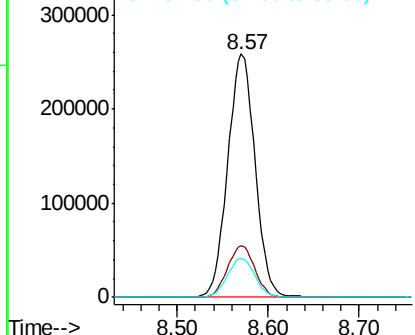
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN059377.D  
 Acq: 22 Nov 2019 19:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB125021TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.1  | 0.0   | 42.2  |
| 88      | 15.9  | 0.0   | 32.2  |

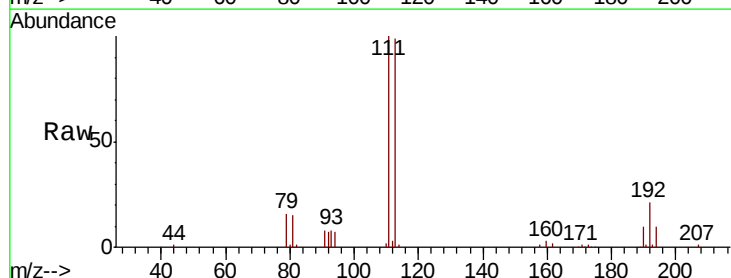


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

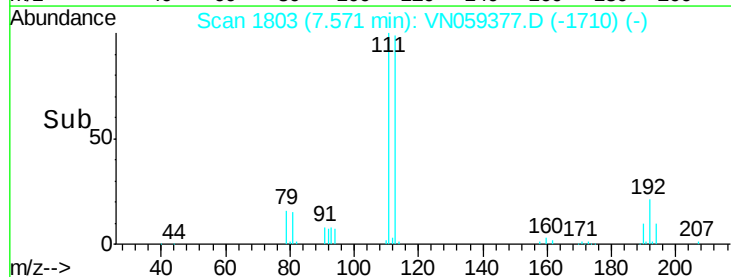
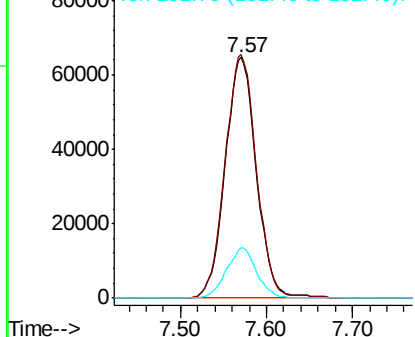


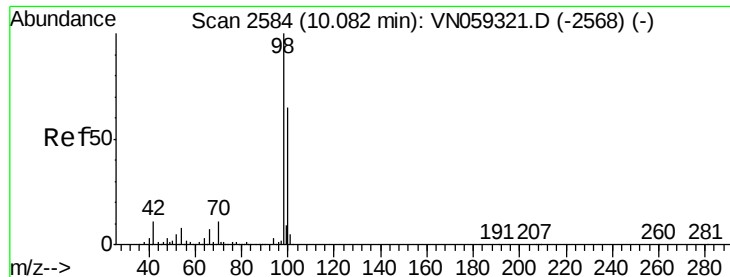
#35  
 Dibromofluoromethane  
 Concen: 50.051 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VN059377.D  
 Acq: 22 Nov 2019 19:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.5 | 82.7  | 124.1 |
| 192     | 20.3  | 16.3  | 24.5  |



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





#50

Toluene-d8

Concen: 50.851 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059377.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA\_N

ClientSampleId :

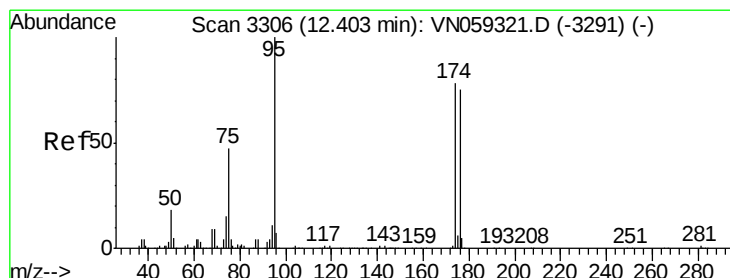
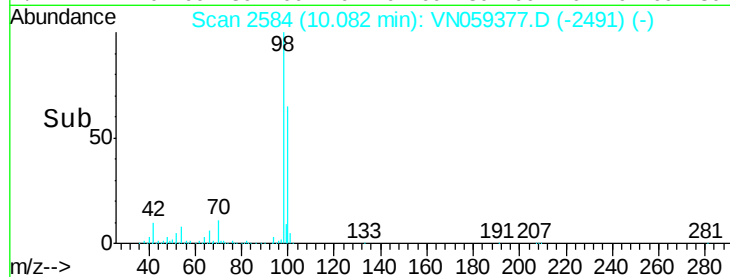
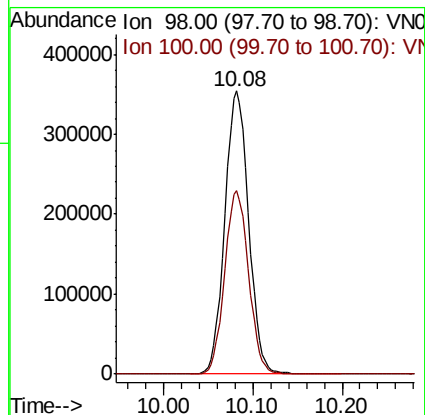
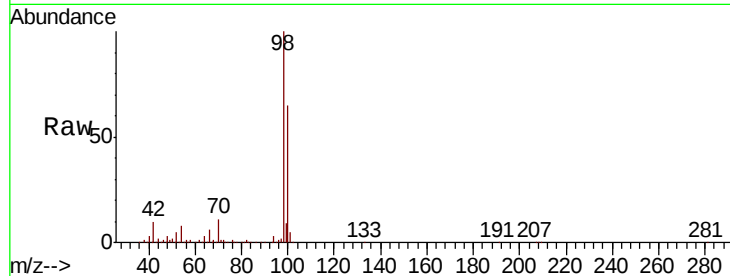
PB125021TB

Tot Ion: 98 Resp: 655356

Ion Ratio Lower Upper

98 100

100 65.1 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 47.407 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059377.D

Acq: 22 Nov 2019 19:48

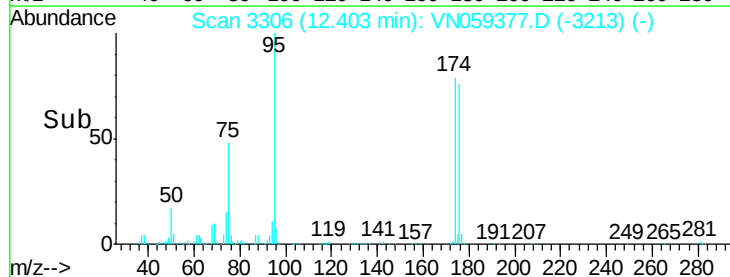
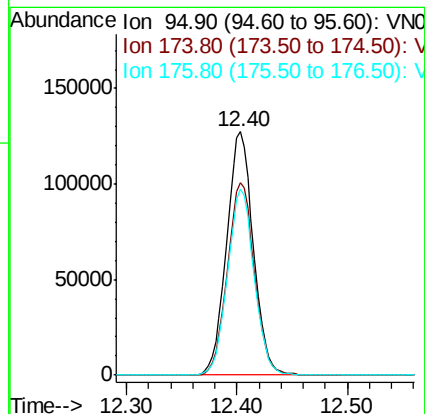
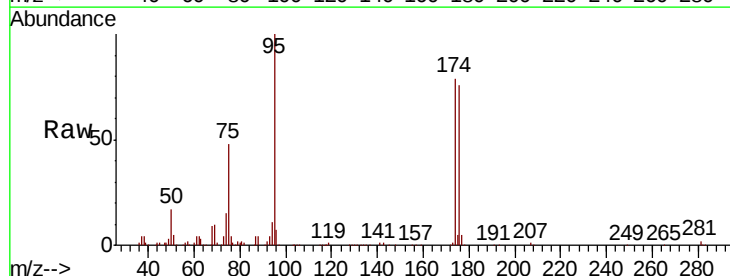
Tgt Ion: 95 Resp: 213628

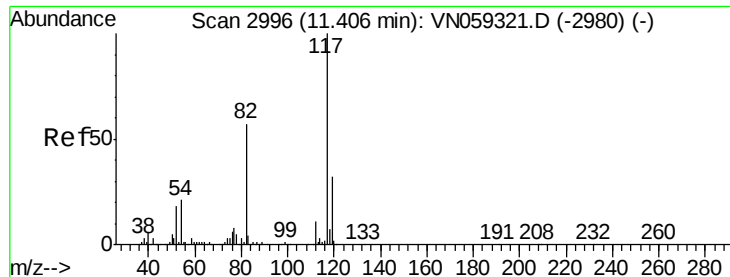
Ion Ratio Lower Upper

95 100

174 80.2 0.0 157.4

176 76.3 0.0 151.2

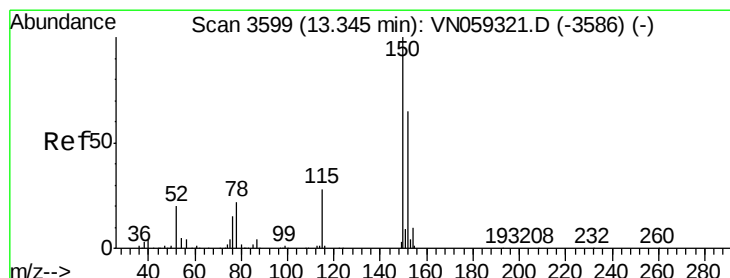
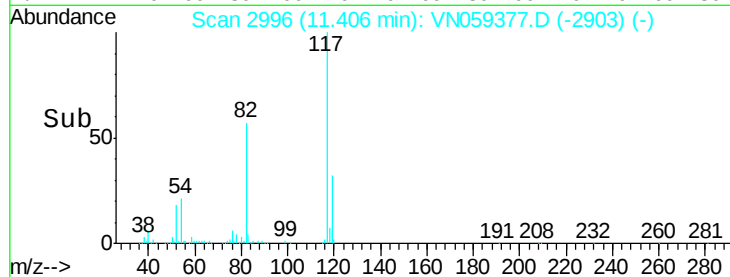
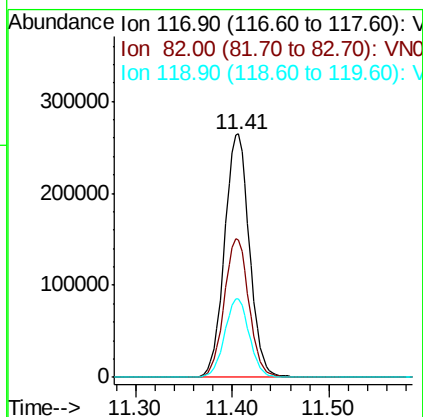
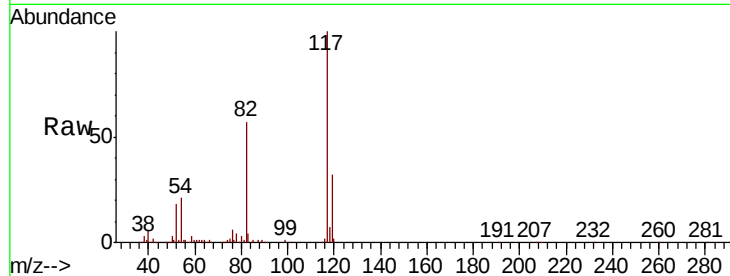




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN059377.D  
Acq: 22 Nov 2019 19:48

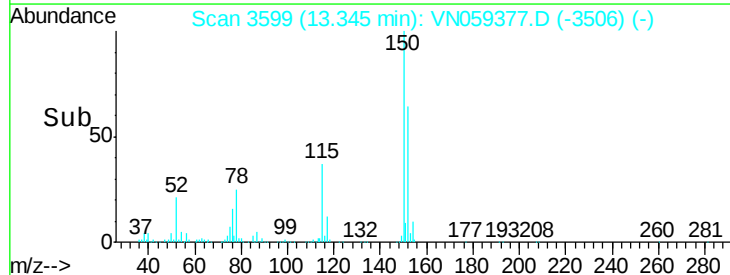
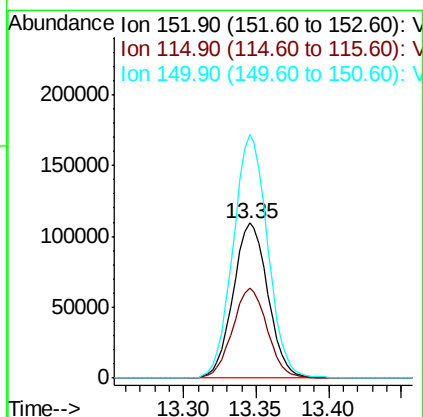
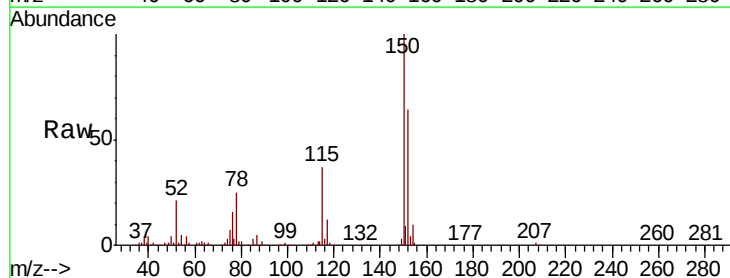
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB125021TB

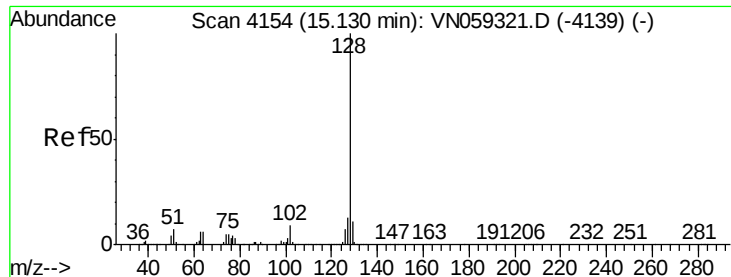
Tot Ion:117 Resp: 472446  
Ion Ratio Lower Upper  
117 100  
82 56.5 45.7 68.5  
119 32.0 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN059377.D  
Acq: 22 Nov 2019 19:48

Tgt Ion:152 Resp: 182531  
Ion Ratio Lower Upper  
152 100  
115 58.0 29.3 88.0  
150 156.5 0.0 346.0





#95

Naphthalene

Concen: 3.887 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059377.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA\_N

ClientSampleId :

PB125021TB

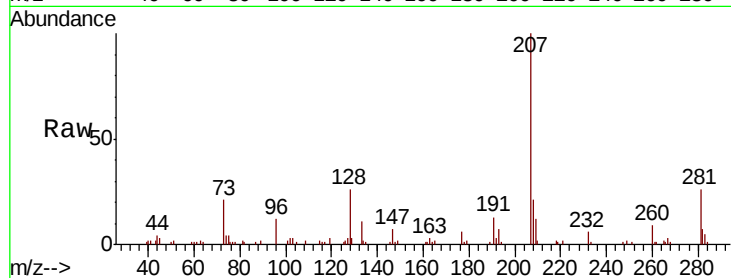
Tot Ion:128 Resp: 8262

Ion Ratio Lower Upper

128 100

127 10.3 10.2 15.2

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

