

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN022619\  
 Data File : VN053964.D  
 Acq On : 26 Feb 2019 19:18  
 Operator : JC/SP  
 Sample : PB117375ZHE#07  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB117375ZHE#07

Quant Time: Feb 27 03:19:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 26 05:37:40 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 548954   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1019922  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 926609   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 293107   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 380442   | 59.12 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 118.24% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 326770   | 49.55 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.10%  |      |
| 50) Toluene-d8              | 10.09  | 98  | 1254307  | 51.09 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.18% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 375834   | 45.95 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.90%  |      |

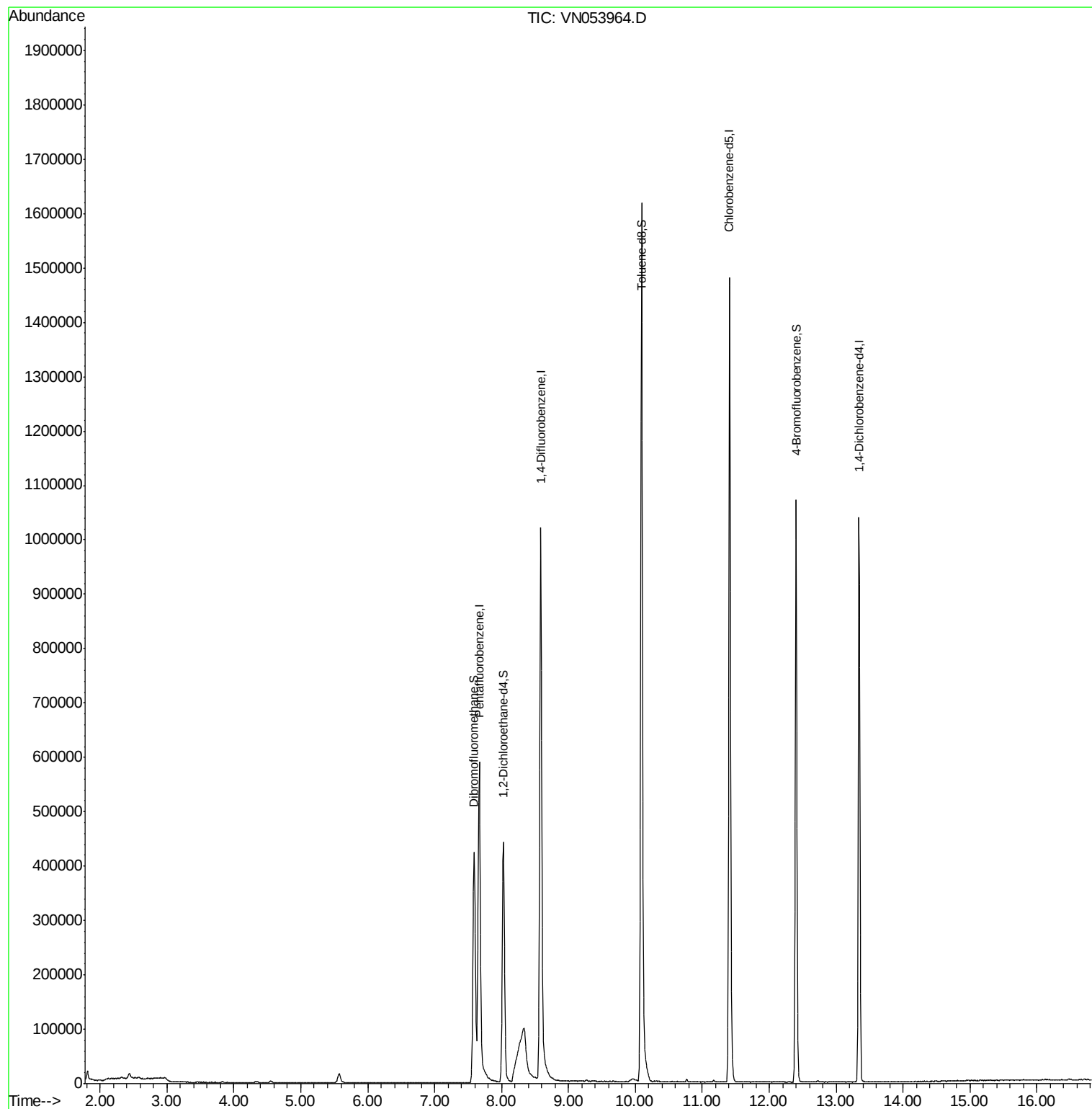
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

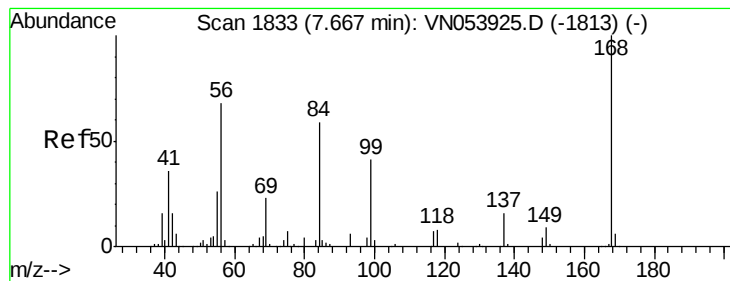
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN022619\  
Data File : VN053964.D  
Acq On : 26 Feb 2019 19:18  
Operator : JC/SP  
Sample : PB117375ZHE#07  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB117375ZHE#07

Quant Time: Feb 27 03:19:31 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N022519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 26 05:37:40 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

Instrument :

MSVOA\_N

ClientSampleId :

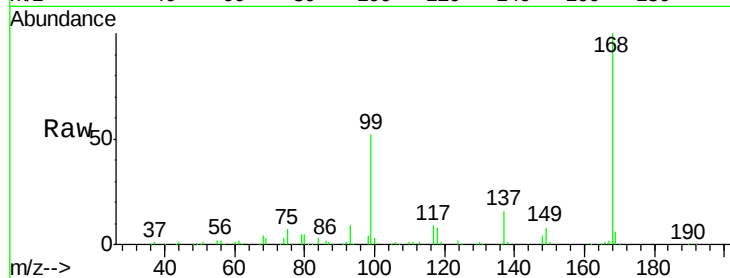
PB117375ZHE#07

Tgt Ion:168 Resp: 548954

Ion Ratio Lower Upper

168 100

99 51.5 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN053925.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053925.D (-1813) (-)

7.67

200000

150000

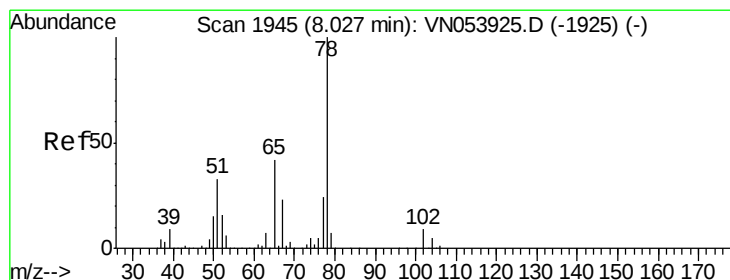
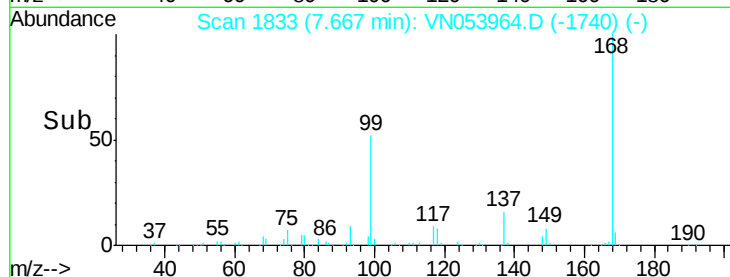
100000

50000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 59.121 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053964.D

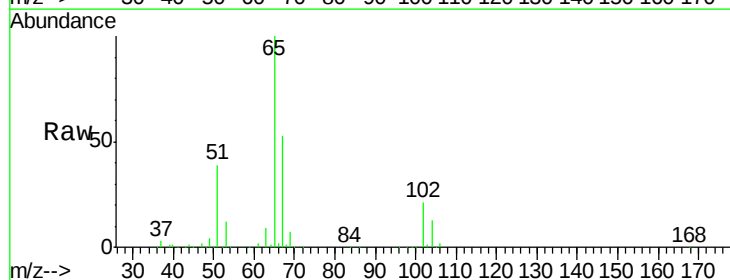
Acq: 26 Feb 2019 19:18

Tgt Ion: 65 Resp: 380442

Ion Ratio Lower Upper

65 100

67 54.6 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN053925.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053925.D (-1925) (-)

8.03

150000

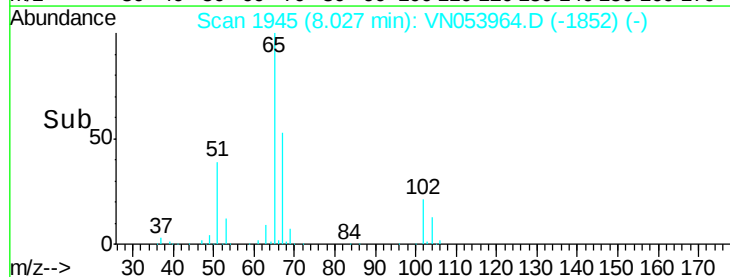
100000

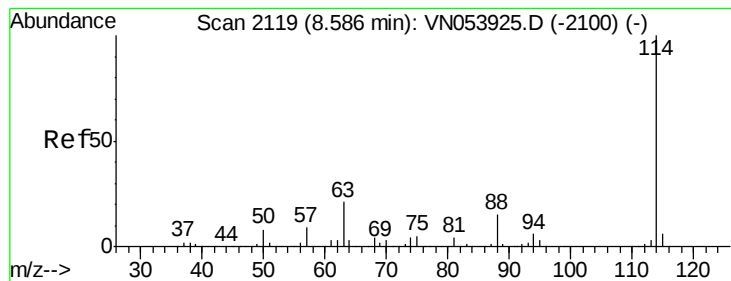
50000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

Instrument :

MSVOA\_N

ClientSampleId :

PB117375ZHE#07

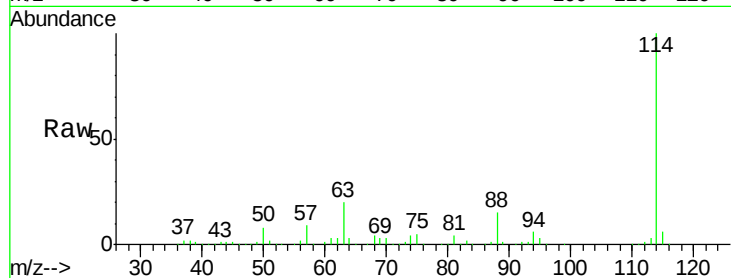
Tgt Ion:114 Resp: 1019922

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

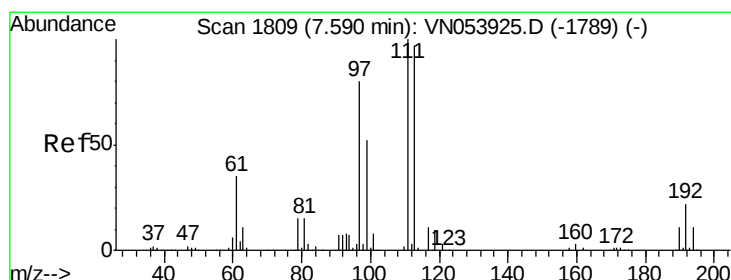
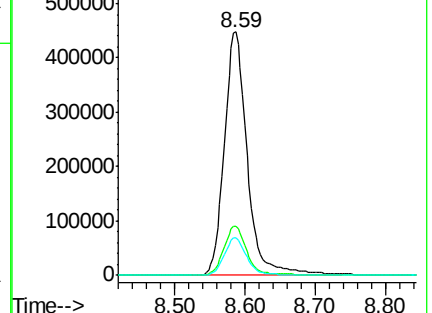
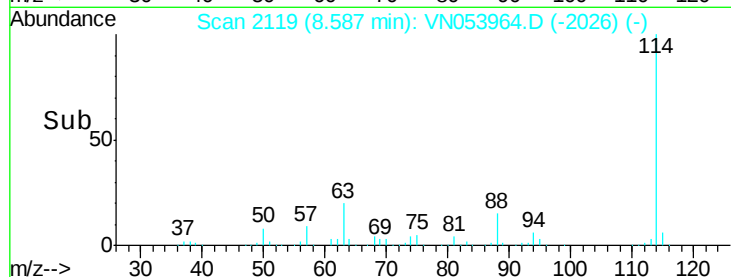
88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.545 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

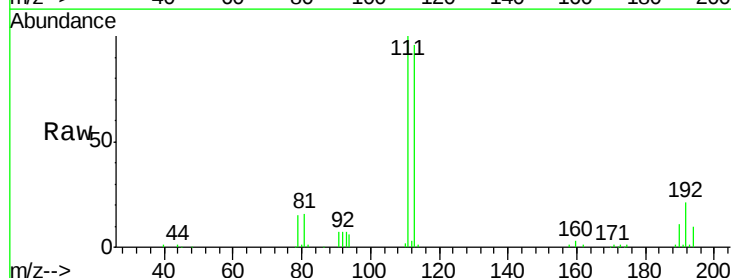
Tgt Ion:113 Resp: 326770

Ion Ratio Lower Upper

113 100

111 103.7 81.1 121.7

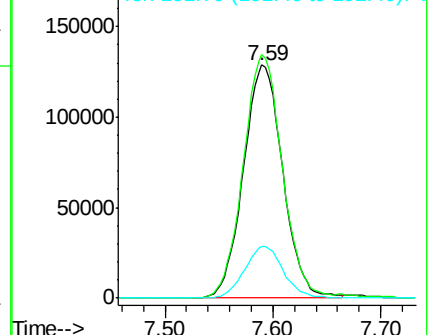
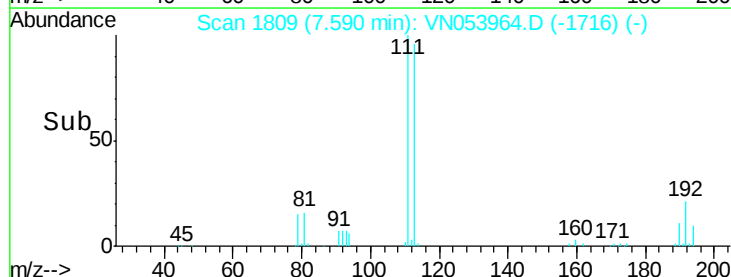
192 21.9 18.8 28.2

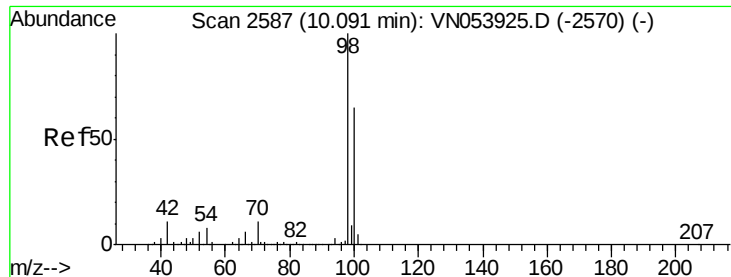


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.088 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

Instrument :

MSVOA\_N

ClientSampleId :

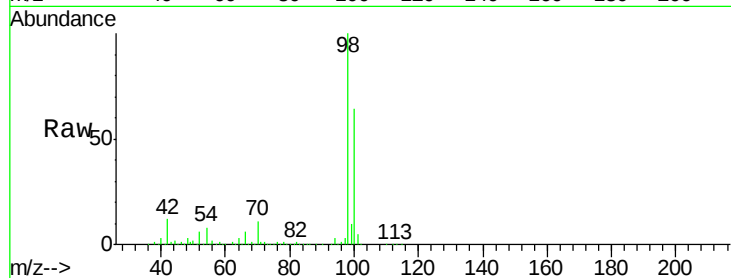
PB117375ZHE#07

Tgt Ion: 98 Resp: 1254307

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN053964.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053964.D (-2494) (-)

10.09

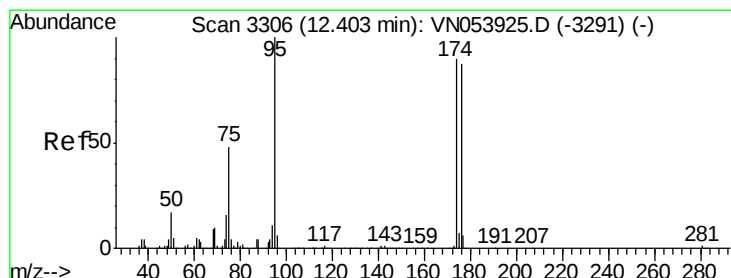
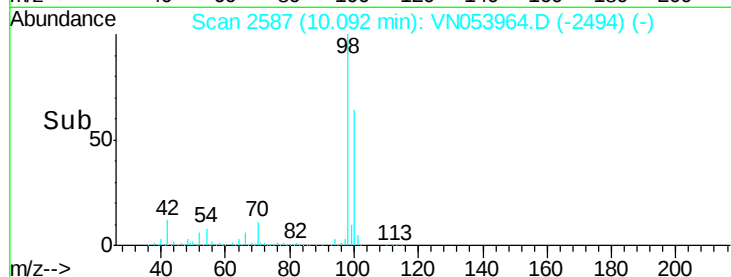
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.946 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

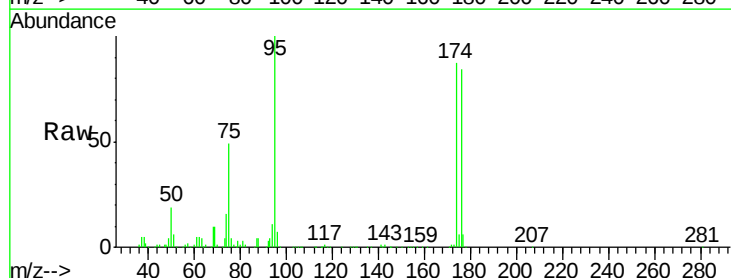
Tgt Ion: 95 Resp: 375834

Ion Ratio Lower Upper

95 100

174 87.4 0.0 188.8

176 85.3 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053964.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN053964.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN053964.D (-3213) (-)

12.40

300000

250000

200000

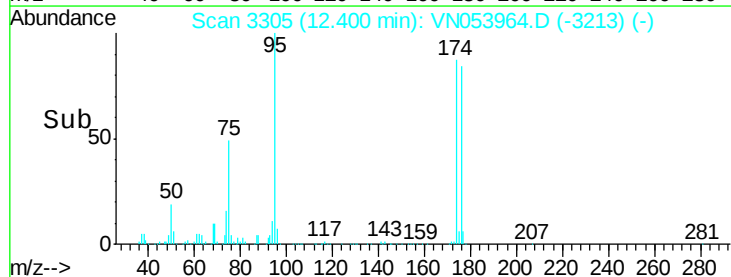
150000

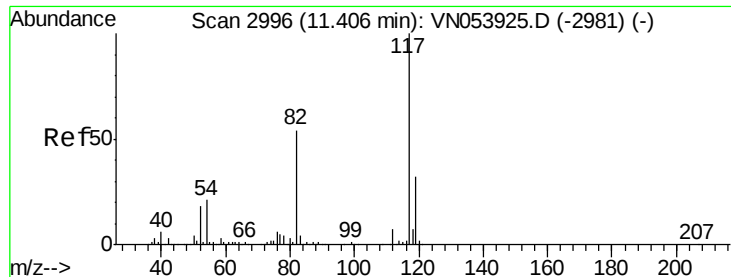
100000

50000

0

Time-->

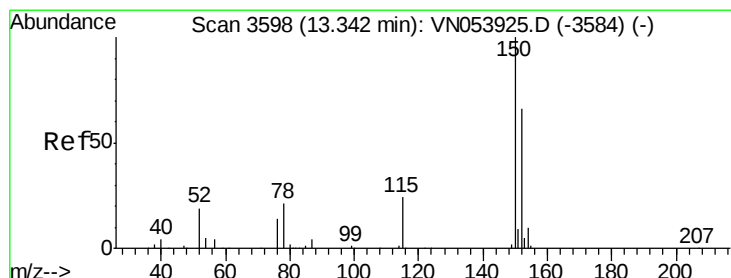
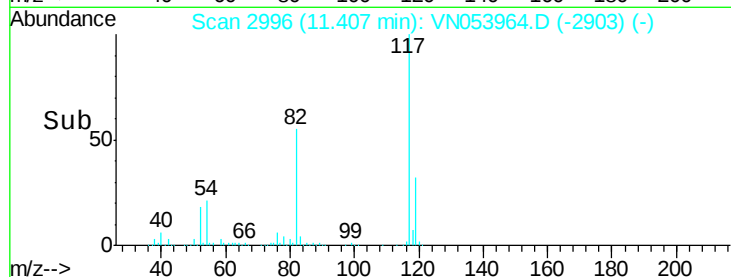
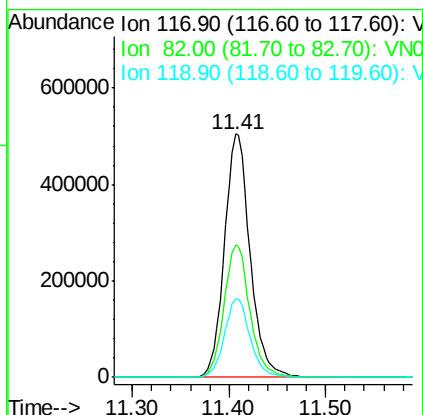
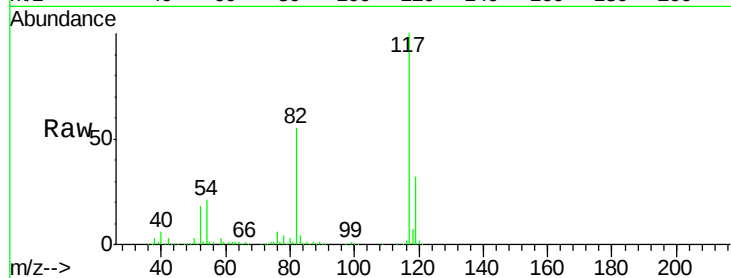




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053964.D  
Acq: 26 Feb 2019 19:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB117375ZHE#07

Tgt Ion:117 Resp: 926609  
Ion Ratio Lower Upper  
117 100  
82 54.5 41.4 62.2  
119 32.4 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN053964.D  
Acq: 26 Feb 2019 19:18

Tgt Ion:152 Resp: 293107  
Ion Ratio Lower Upper  
152 100  
115 56.2 27.2 81.6  
150 157.2 0.0 348.2

