

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN020320\  
 Data File : VN059968.D  
 Acq On : 3 Feb 2020 12:46  
 Operator : JC/MD  
 Sample : L1318-06  
 Misc : 5.12g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RAINEY-PARK-BH-03-C

Quant Time: Feb 03 13:48:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 18 03:09:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 165393   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 255032   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 228670   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 107179   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 93174    | 50.73 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.46% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 75797    | 49.84 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.68%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 303853   | 51.57 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.14% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 105900   | 49.85 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.70%  |          |

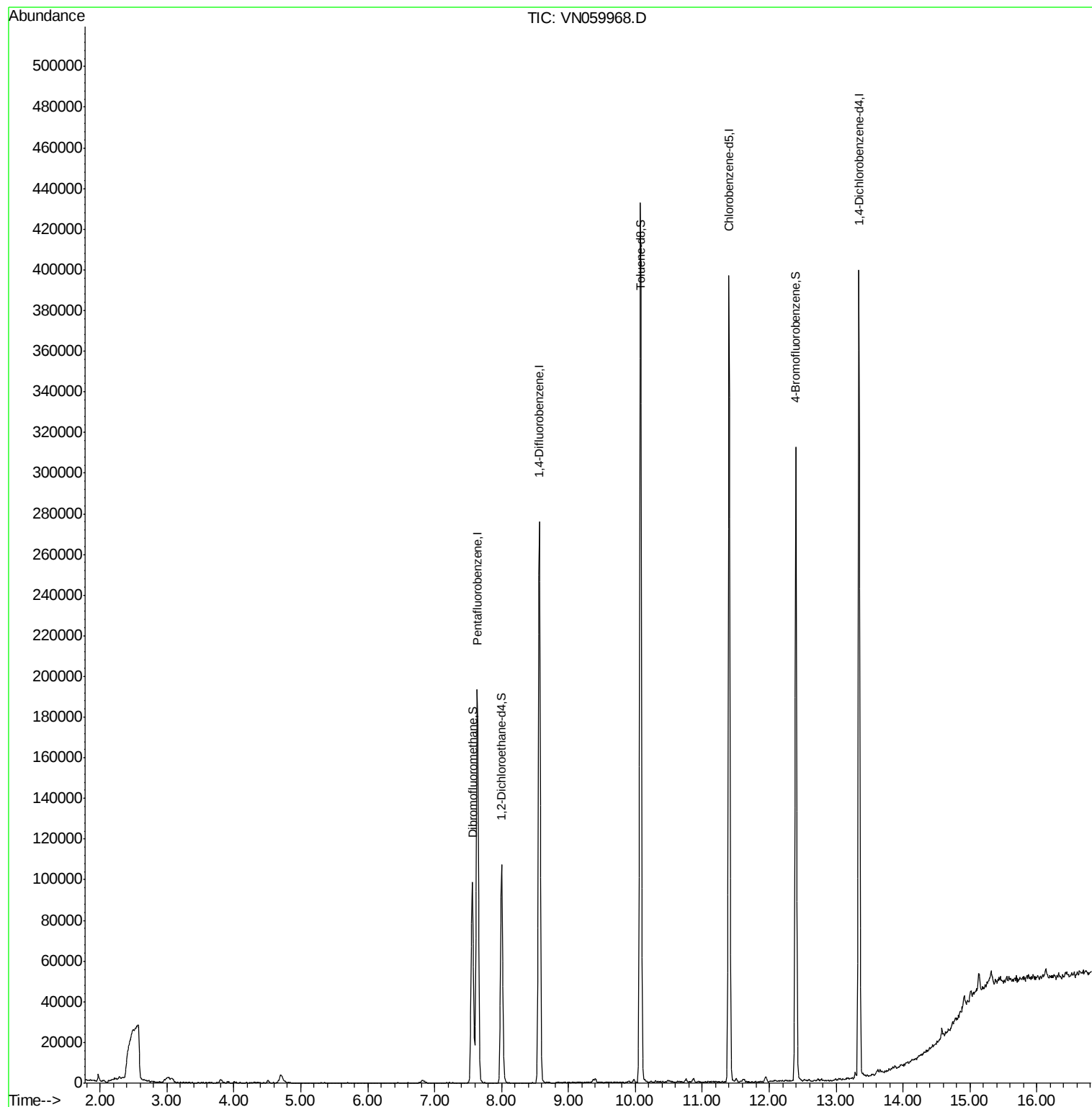
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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RAINEY-PARK-BH-03-C

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Quant Title : SW846 8260  
QLast Update : Sat Jan 18 03:09:32 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN059968.D

Acq: 3 Feb 2020 12:46

Instrument :

MSVOA\_N

ClientSampleId :

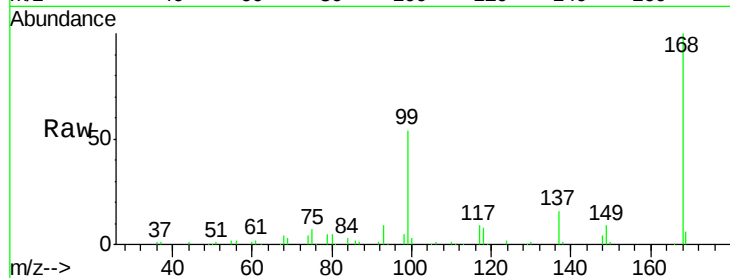
RAINEY-PARK-BH-03-C

Tot Ion:168 Resp: 165393

Ion Ratio Lower Upper

168 100

99 53.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

60000

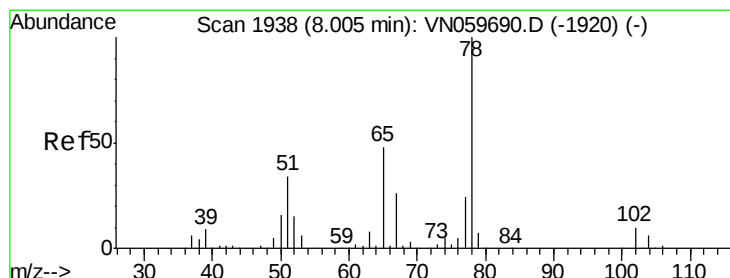
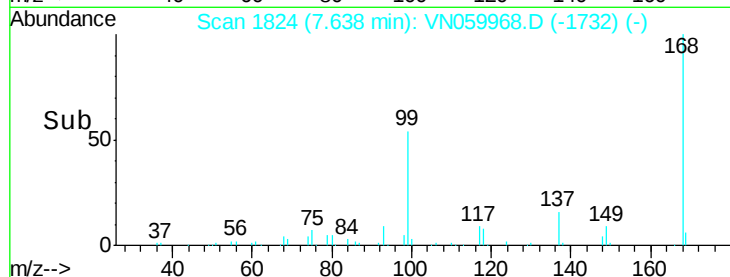
40000

20000

0

7.60 7.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.728 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059968.D

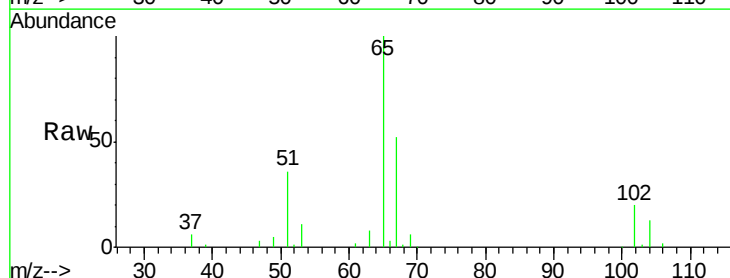
Acq: 3 Feb 2020 12:46

Tgt Ion: 65 Resp: 93174

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.00

40000

30000

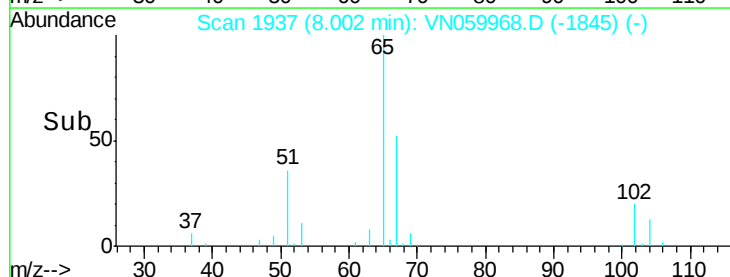
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->

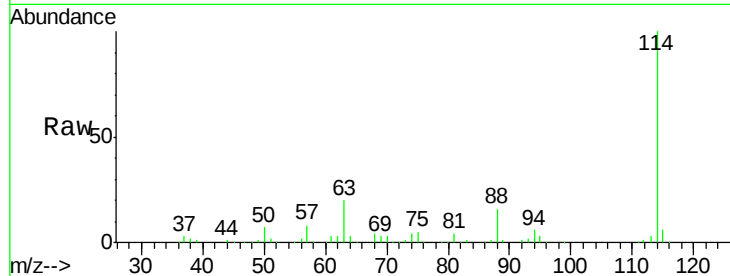




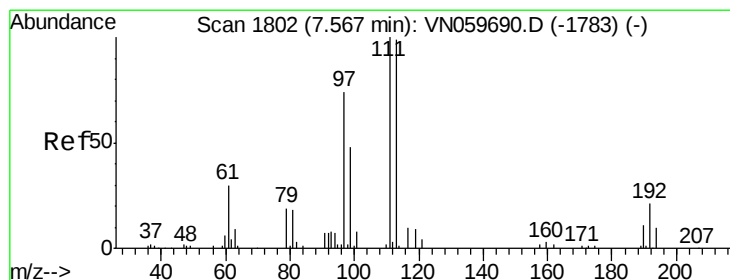
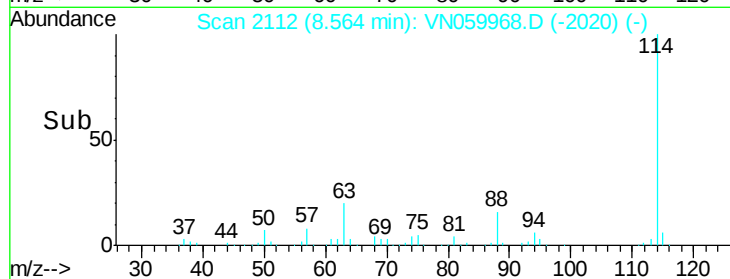
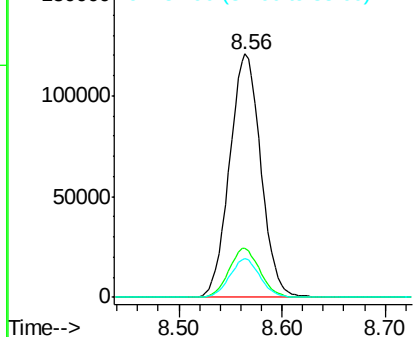
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.56 min Scan# 2112  
Delta R.T. -0.00 min  
Lab File: VN059968.D  
Acq: 3 Feb 2020 12:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
RAINEY-PARK-BH-03-C

Tot Ion:114 Resp: 255032  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 43.6  
88 16.1 0.0 31.4

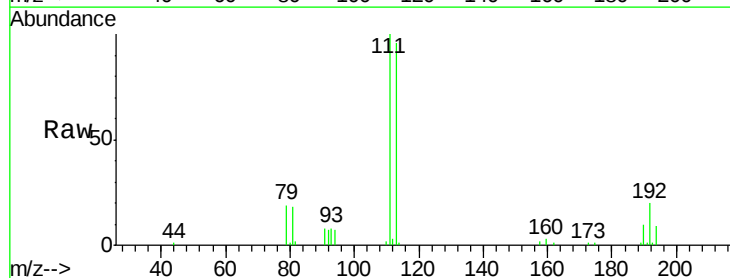


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

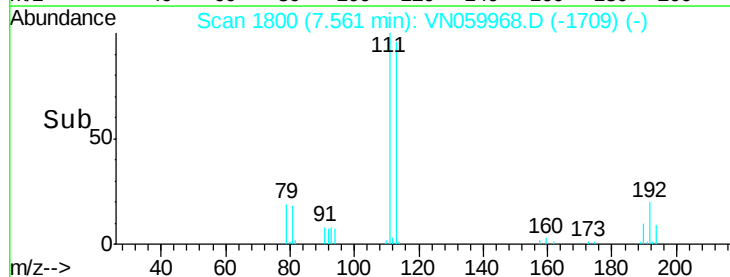
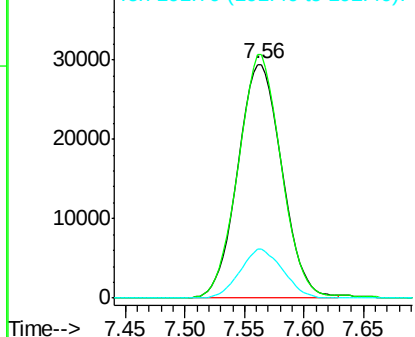


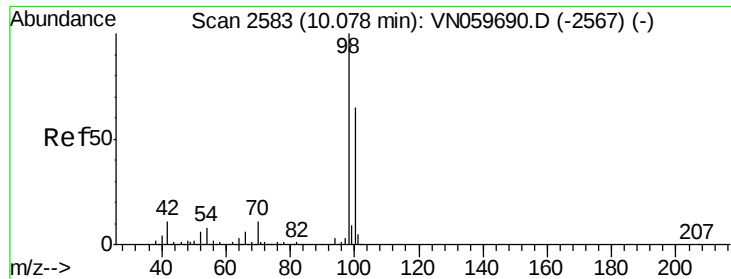
#35  
Dibromofluoromethane  
Concen: 49.838 ug/l  
RT: 7.56 min Scan# 1800  
Delta R.T. -0.01 min  
Lab File: VN059968.D  
Acq: 3 Feb 2020 12:46

Tgt Ion:113 Resp: 75797  
Ion Ratio Lower Upper  
113 100  
111 101.8 83.5 125.3  
192 20.3 15.4 23.2



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: 51.565 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059968.D

Acq: 3 Feb 2020 12:46

Instrument :

MSVOA\_N

ClientSampleId :

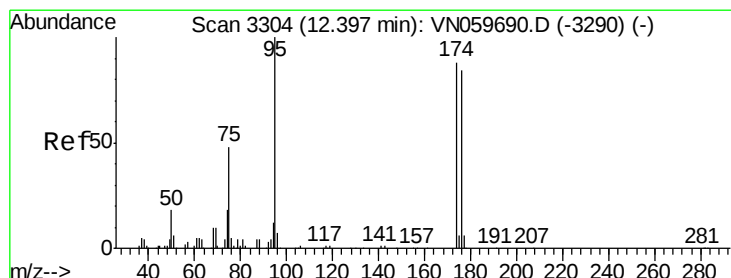
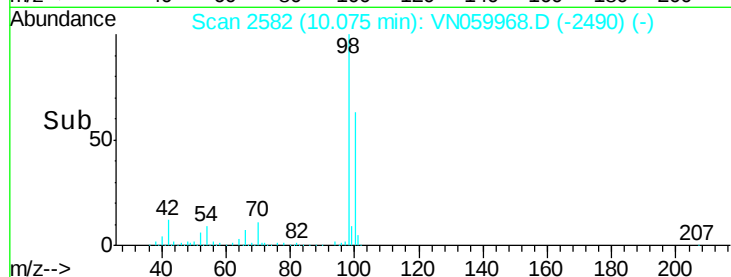
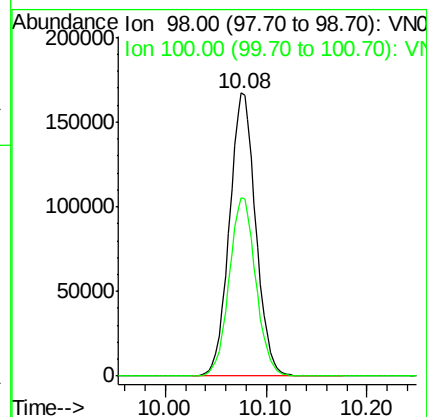
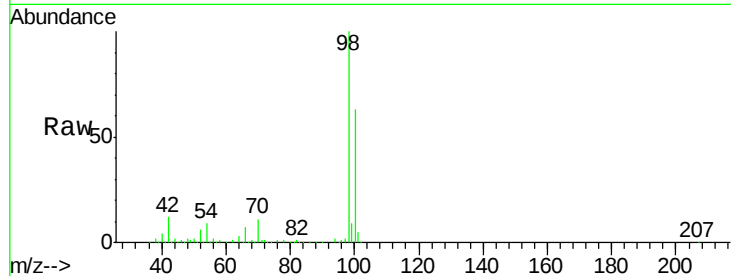
RAINEY-PARK-BH-03-C

Tot Ion: 98 Resp: 303853

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 49.852 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059968.D

Acq: 3 Feb 2020 12:46

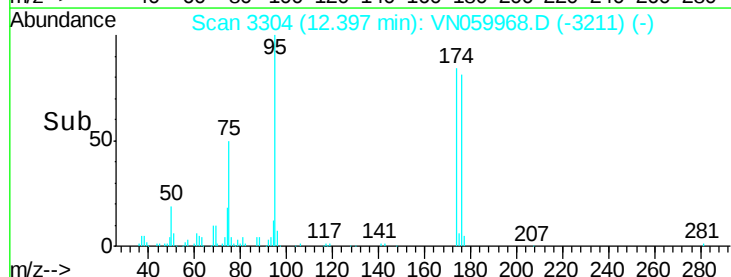
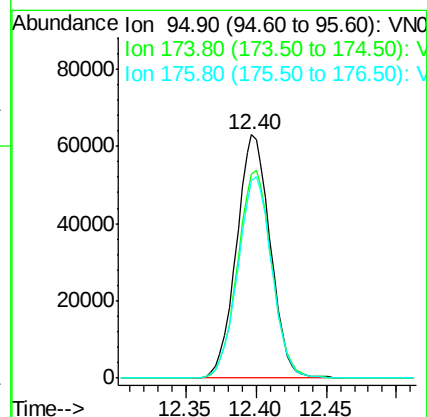
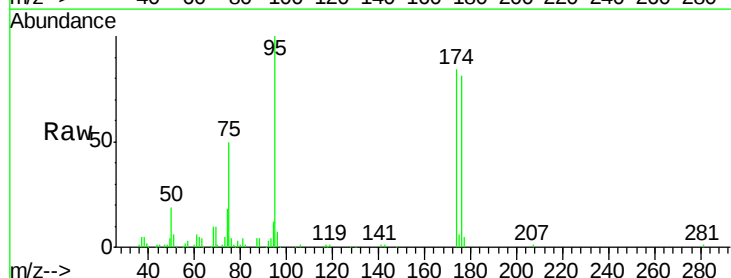
Tgt Ion: 95 Resp: 105900

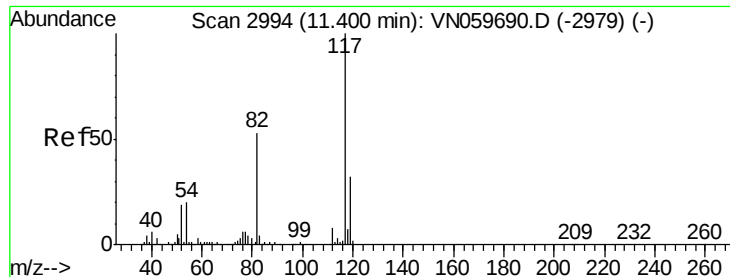
Ion Ratio Lower Upper

95 100

174 86.3 0.0 151.4

176 83.5 0.0 146.0

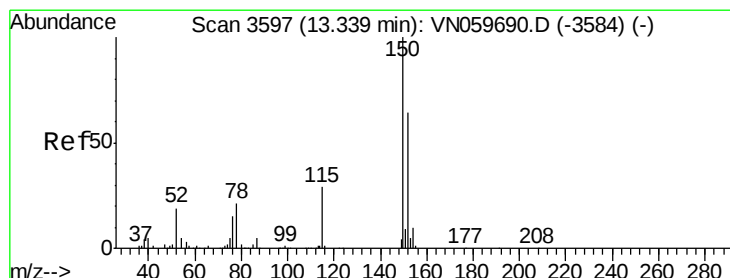
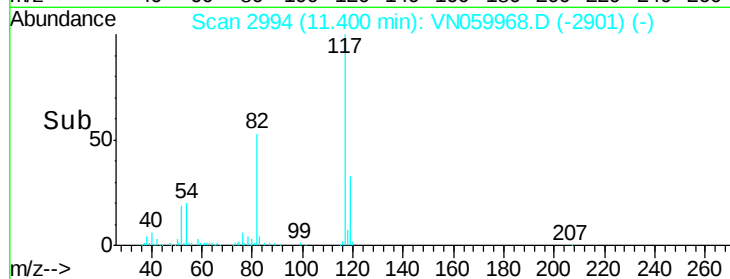
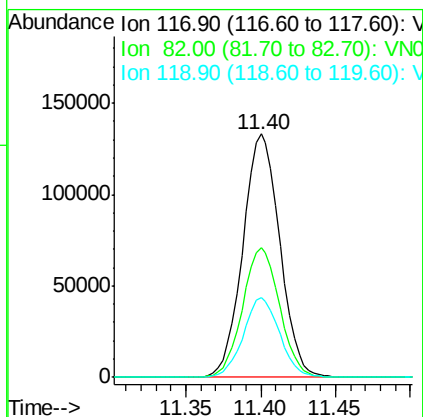
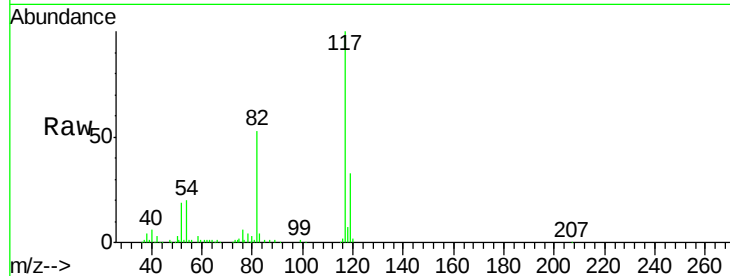




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059968.D  
Acq: 3 Feb 2020 12:46

Instrument :  
MSVOA\_N  
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RAINEY-PARK-BH-03-C

Tot Ion:117 Resp: 228670  
Ion Ratio Lower Upper  
117 100  
82 53.4 45.9 68.9  
119 33.0 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN059968.D  
Acq: 3 Feb 2020 12:46

Tgt Ion:152 Resp: 107179  
Ion Ratio Lower Upper  
152 100  
115 57.1 30.3 90.9  
150 158.2 0.0 345.2

