

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013020\  
 Data File : VY001431.D  
 Acq On : 30 Jan 2020 15:38  
 Operator : SY/MD  
 Sample : L1319-08  
 Misc : 4.56G/5ML/MSVOA Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RAINEY-PARK-BH-01-A

Quant Time: Jan 30 16:08:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 01:21:47 2020  
 Response via : Initial Calibration

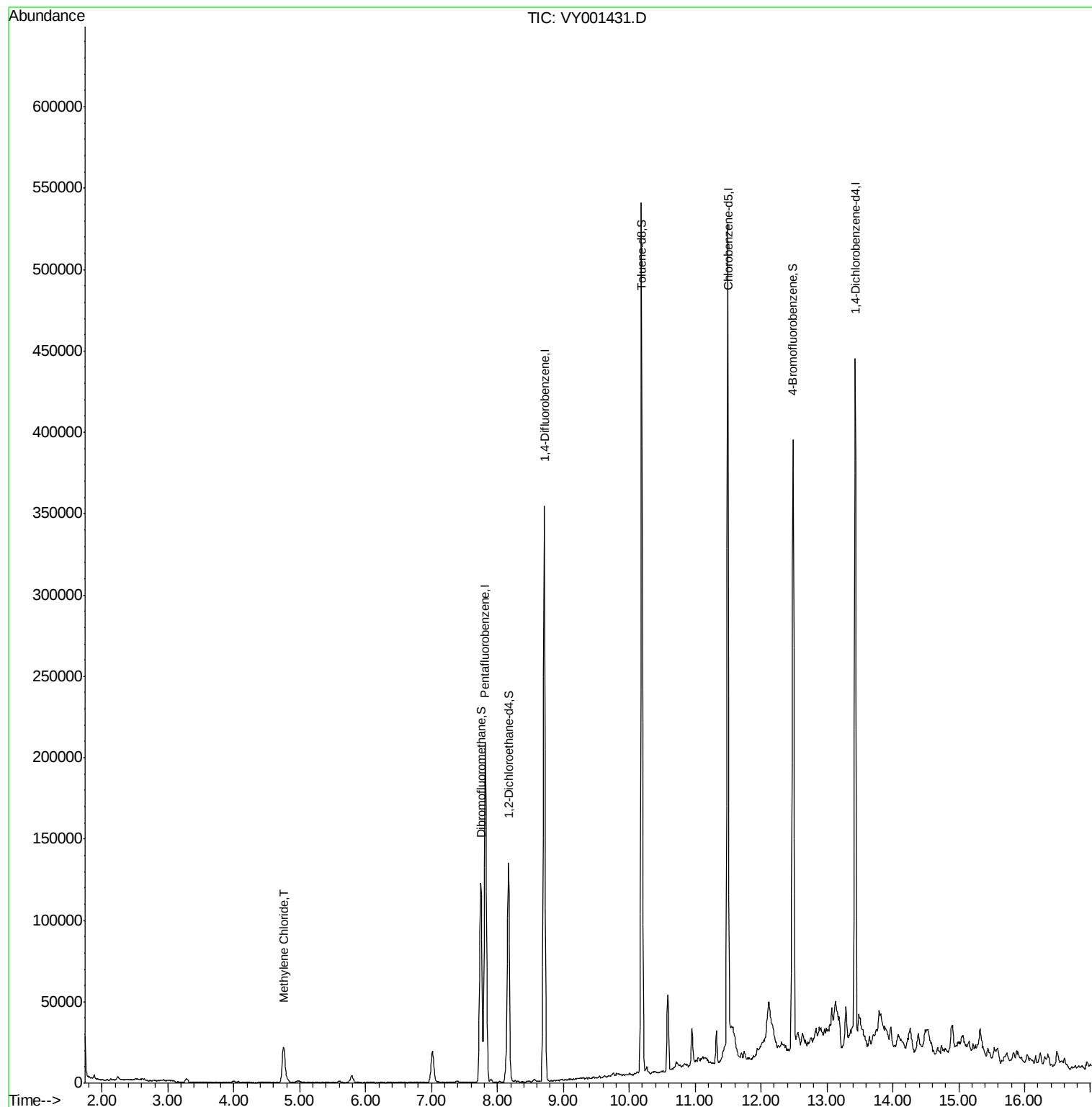
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.81  | 168  | 161795   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 300466   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 260346   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 102413   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.17  | 65   | 94633    | 53.75 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.50% |           |
| 35) Dibromofluoromethane    | 7.75  | 113  | 87674    | 49.72 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.44%  |           |
| 50) Toluene-d8              | 10.19 | 98   | 353116   | 51.54 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.08% |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 118045   | 43.26 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.52%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.75  | 84   | 17403    | 4.116 | ug/l    | Qvalue 91 |

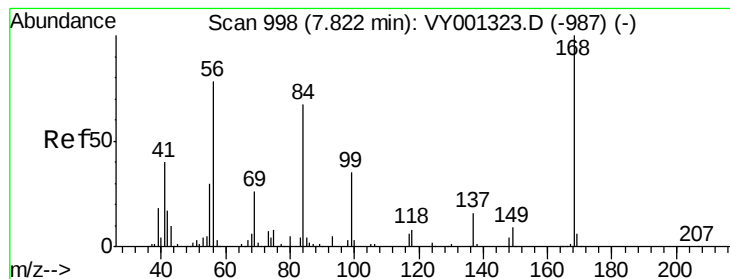
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY013020\  
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MSVOA\_Y  
ClientSampleId :  
RAINEY-PARK-BH-01-A

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 23 01:21:47 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

Instrument :

MSVOA\_Y

ClientSampleId :

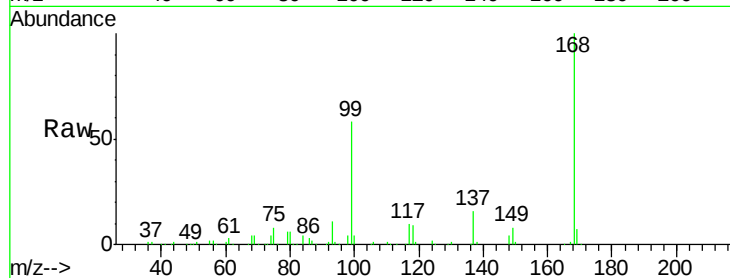
RAINEY-PARK-BH-01-A

Tot Ion:168 Resp: 161795

Ion Ratio Lower Upper

168 100

99 57.8 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001431.D (-949) (-)

Ion 98.90 (98.60 to 99.60): VY001431.D (-949) (-)

7.81

60000

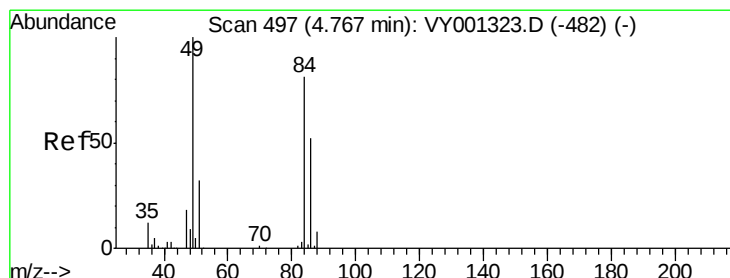
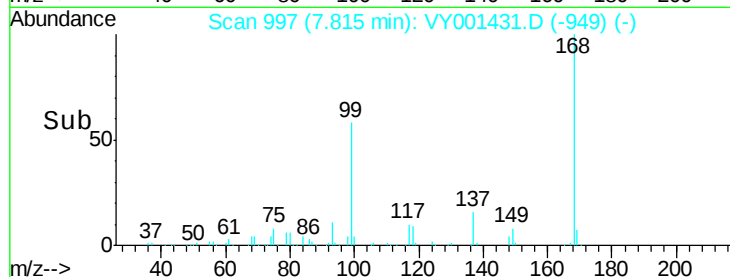
40000

20000

0

7.70 7.80 7.90

Time-->



#20

Methylene Chloride

Concen: 4.116 ug/l

RT: 4.75 min Scan# 495

Delta R.T. -0.01 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

Tgt Ion: 84 Resp: 17403

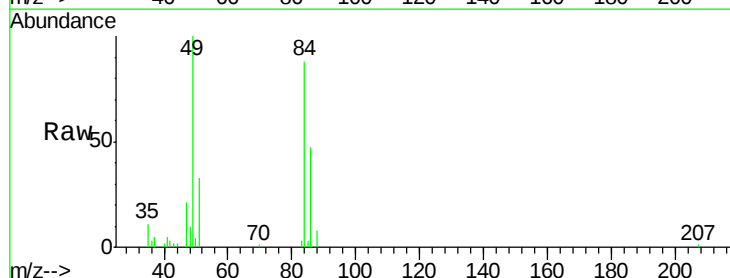
Ion Ratio Lower Upper

84 100

49 113.6 98.3 147.5

51 37.8 31.6 47.4

86 53.3 51.1 76.7



Abundance Ion 83.90 (83.60 to 84.60): VY001431.D (-448) (-)

Ion 48.90 (48.60 to 49.60): VY001431.D (-448) (-)

Ion 50.90 (50.60 to 51.60): VY001431.D (-448) (-)

Ion 85.90 (85.60 to 86.60): VY001431.D (-448) (-)

4.75

10000

8000

6000

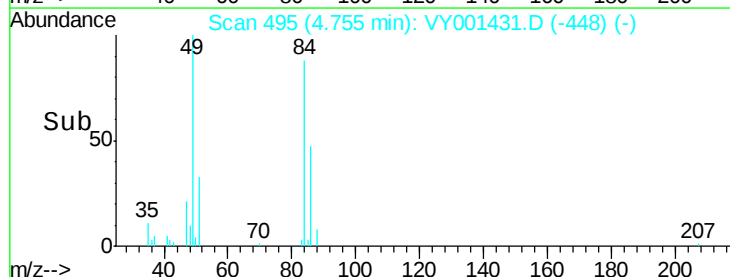
4000

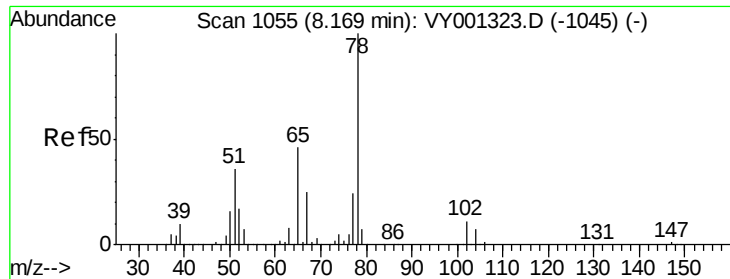
2000

0

4.70 4.80 4.90

Time-->

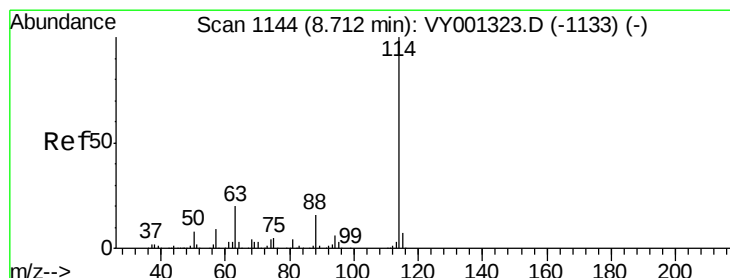
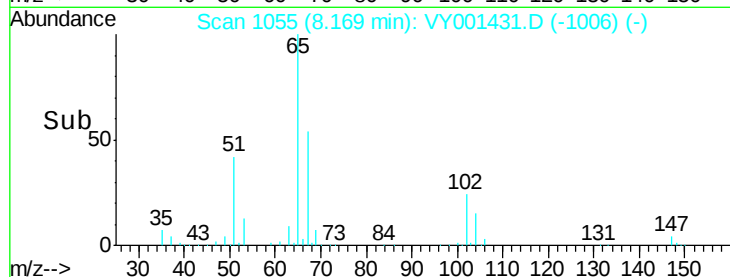
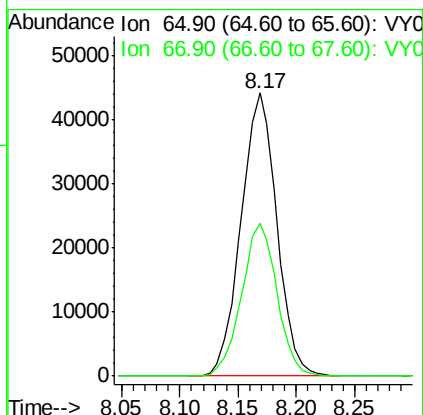
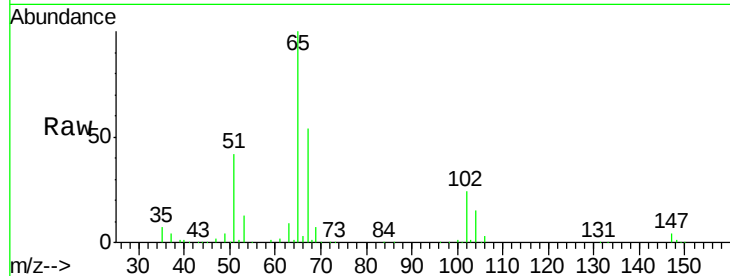




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.752 ug/l  
 RT: 8.17 min Scan# 1055  
 Delta R.T. -0.00 min  
 Lab File: VY001431.D  
 Acq: 30 Jan 2020 15:38

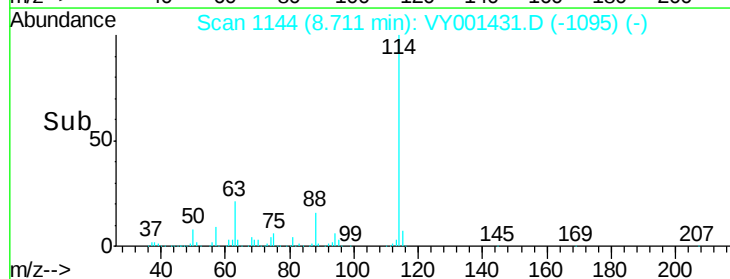
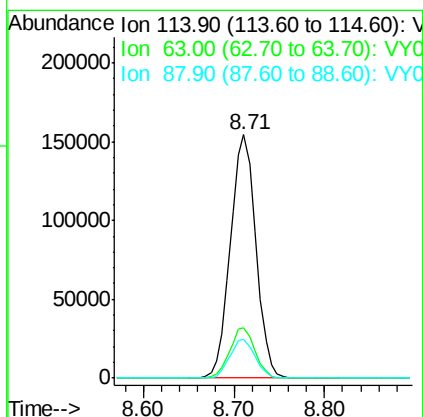
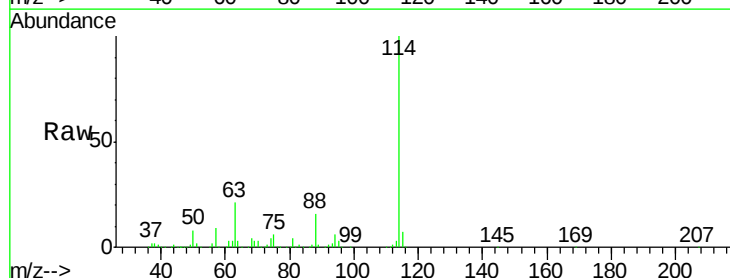
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RAINEY-PARK-BH-01-A

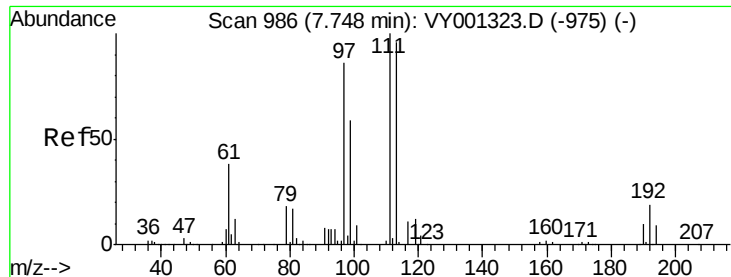
Tot Ion: 65 Resp: 94633  
 Ion Ratio Lower Upper  
 65 100  
 67 53.7 0.0 108.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1144  
 Delta R.T. -0.00 min  
 Lab File: VY001431.D  
 Acq: 30 Jan 2020 15:38

Tgt Ion: 114 Resp: 300466  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 40.8  
 88 16.0 0.0 31.0

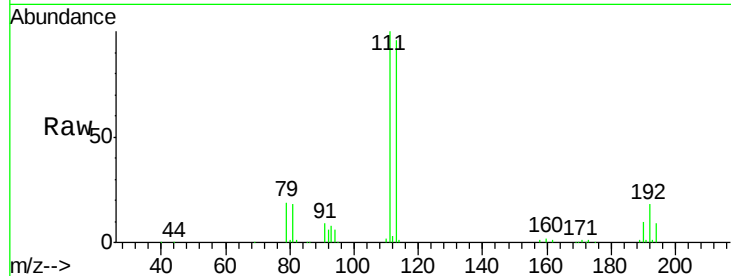




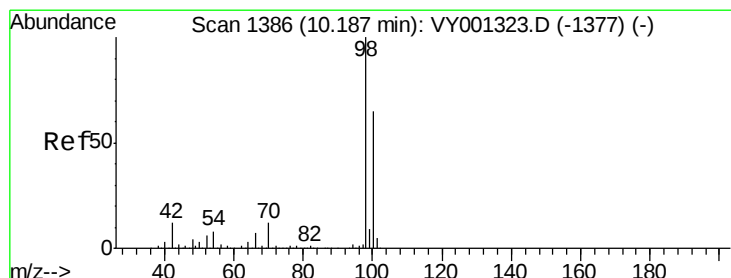
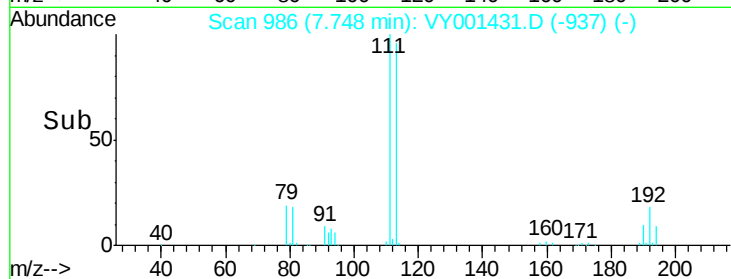
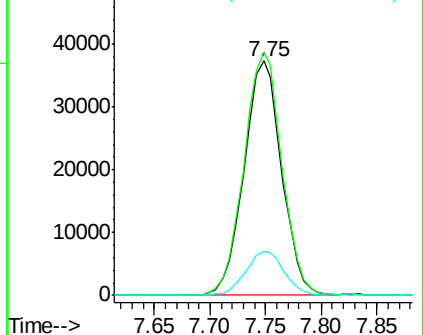
#35  
 Dibromofluoromethane  
 Concen: 49.717 ug/l  
 RT: 7.75 min Scan# 986  
 Delta R.T. -0.00 min  
 Lab File: VY001431.D  
 Acq: 30 Jan 2020 15:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RAINEY-PARK-BH-01-A

Tot Ion:113 Resp: 87674  
 Ion Ratio Lower Upper  
 113 100  
 111 104.6 82.8 124.2  
 192 19.2 15.5 23.3

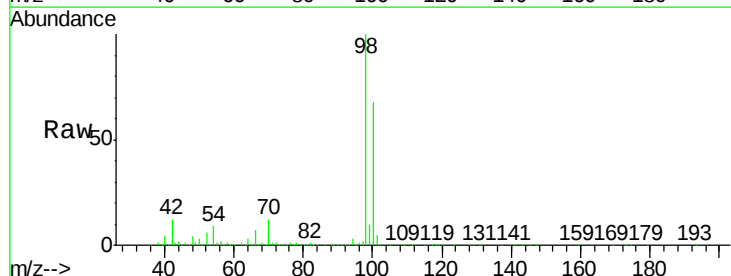


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

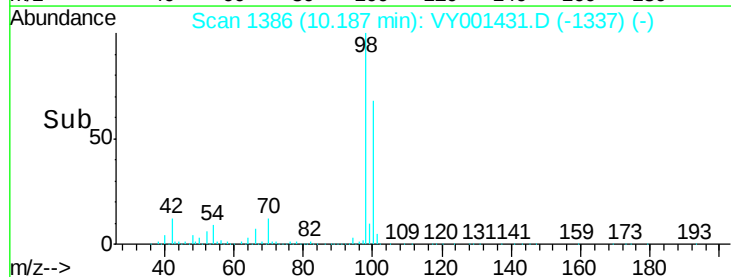
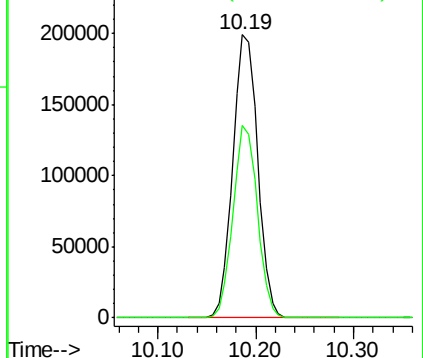


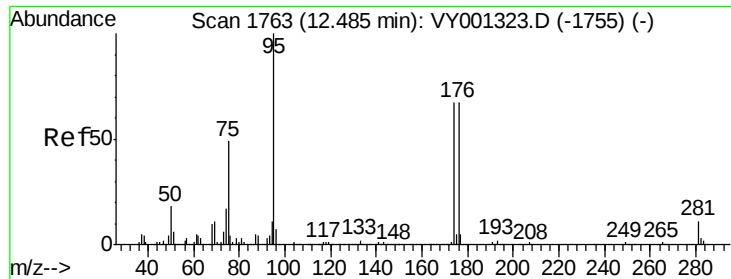
#50  
 Toluene-d8  
 Concen: 51.539 ug/l  
 RT: 10.19 min Scan# 1386  
 Delta R.T. -0.00 min  
 Lab File: VY001431.D  
 Acq: 30 Jan 2020 15:38

Tgt Ion: 98 Resp: 353116  
 Ion Ratio Lower Upper  
 98 100  
 100 66.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0  
 Ion 100.00 (99.70 to 100.70): VY

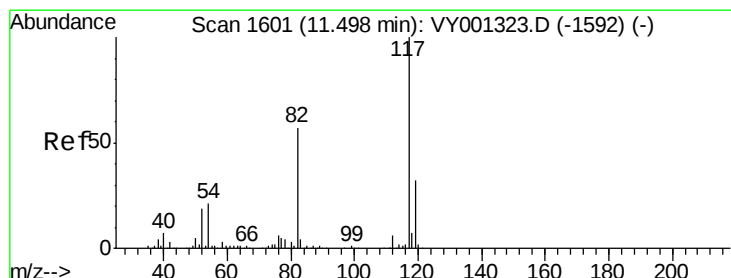
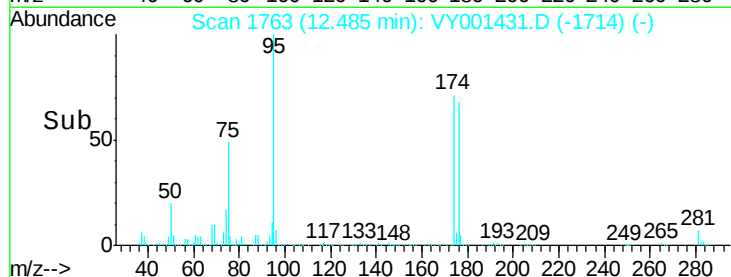
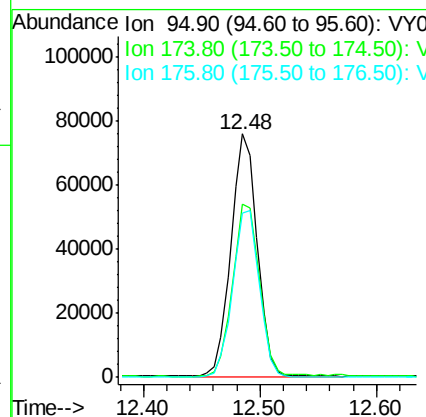
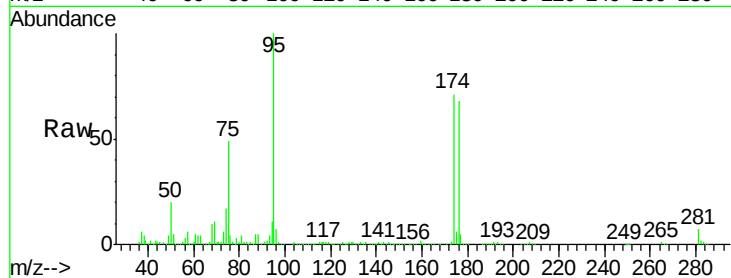




#62  
4-Bromofluorobenzene  
Concen: 43.264 ug/l  
RT: 12.48 min Scan# 1763  
Delta R.T. -0.00 min  
Lab File: VY001431.D  
Acq: 30 Jan 2020 15:38

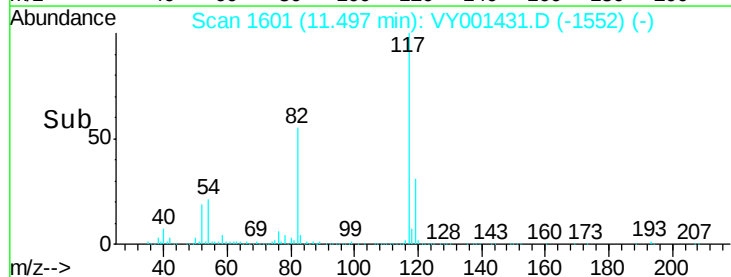
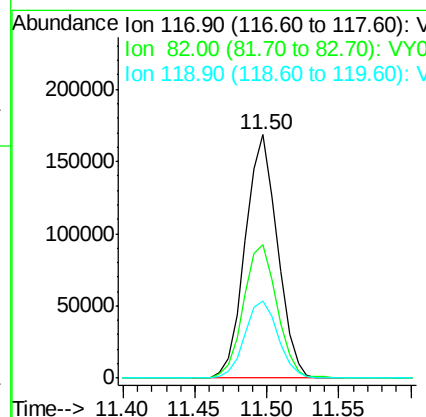
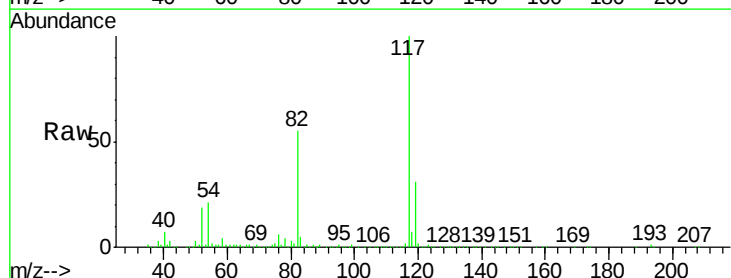
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RAINEY-PARK-BH-01-A

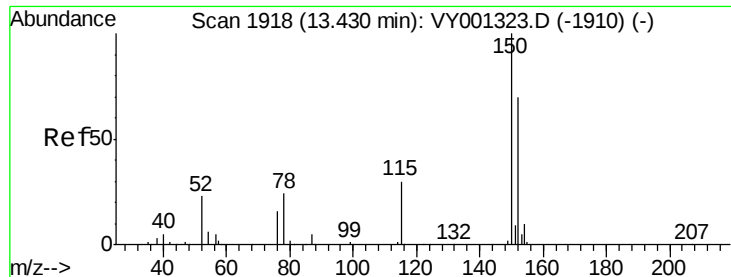
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 74.3  | 0.0   | 142.0 |
| 176     | 70.4  | 0.0   | 138.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.00 min  
Lab File: VY001431.D  
Acq: 30 Jan 2020 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.5  | 45.5  | 68.3  |
| 119     | 31.4  | 25.8  | 38.6  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

Instrument :

MSVOA\_Y

ClientSampleId :

RAINEY-PARK-BH-01-A

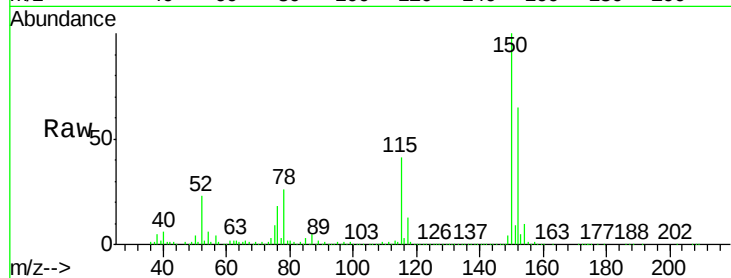
Tot Ion:152 Resp: 102413

Ion Ratio Lower Upper

152 100

115 61.4 30.9 92.8

150 154.9 0.0 349.2



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

