

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013020\  
 Data File : VY001441.D  
 Acq On : 30 Jan 2020 19:20  
 Operator : SY/MD  
 Sample : L1318-12RE  
 Misc : 6.40G/5ML/MSVOA Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RAINEY-PARK-BH-04-CRE

Quant Time: Jan 31 04:07:33 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      | 7.82  | 168  | 45008    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.72  | 114  | 80981    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.51 | 117  | 70720    | 50.00 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 32693    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.17   | 65  | 25239    | 51.53 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.06% |      |
| 35) Dibromofluoromethane    | 7.75   | 113 | 23145    | 48.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.40%  |      |
| 50) Toluene-d8              | 10.20  | 98  | 96008    | 51.99 | ug/l    | 0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.98% |      |
| 62) 4-Bromofluorobenzene    | 12.50  | 95  | 33968    | 46.19 | ug/l    | 0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.38%  |      |

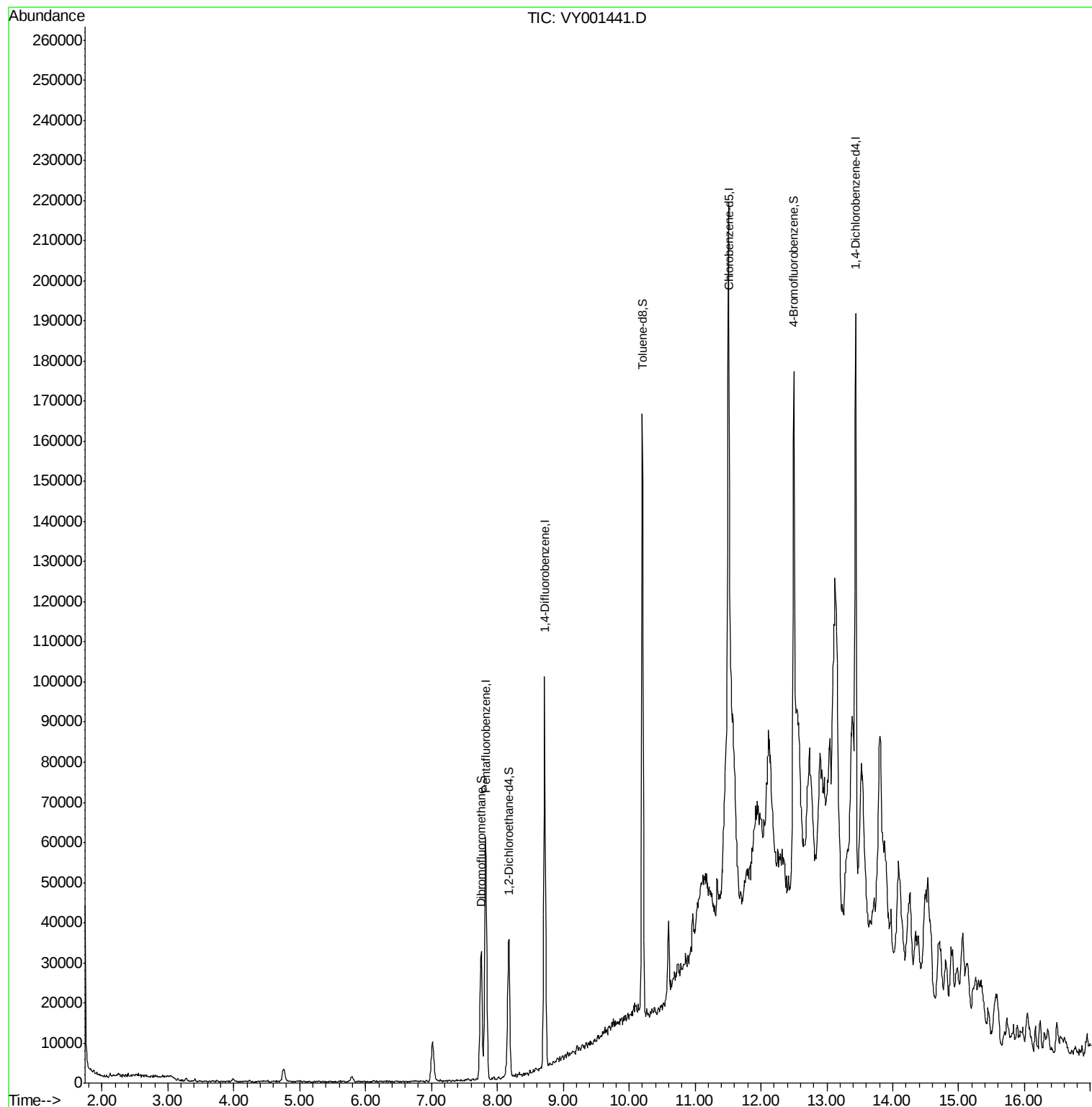
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

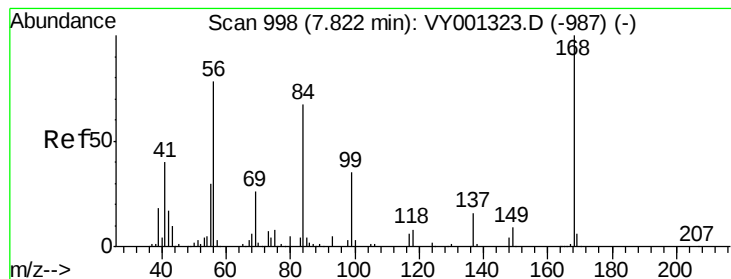
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RAINEY-PARK-BH-04-CRE

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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: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001441.D

Acq: 30 Jan 2020 19:20

Instrument :

MSVOA\_Y

ClientSampleId :

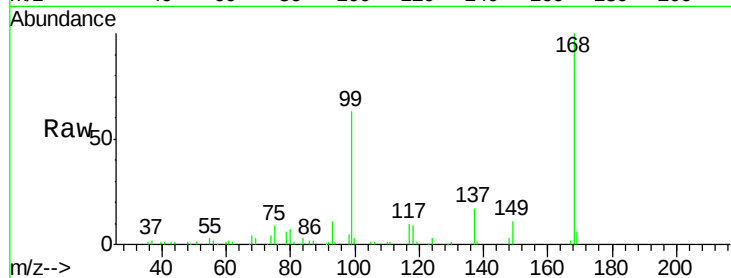
RAINEY-PARK-BH-04-CRE

Tot Ion:168 Resp: 45008

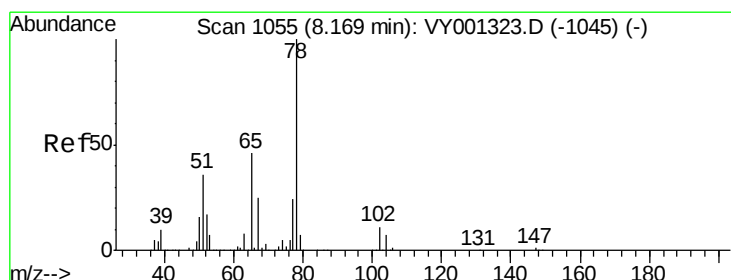
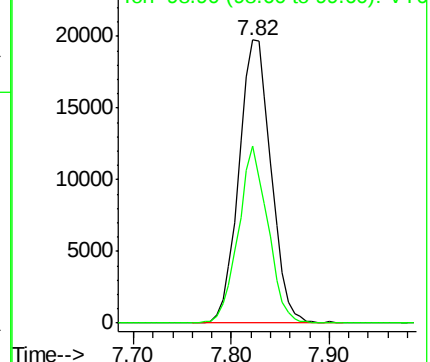
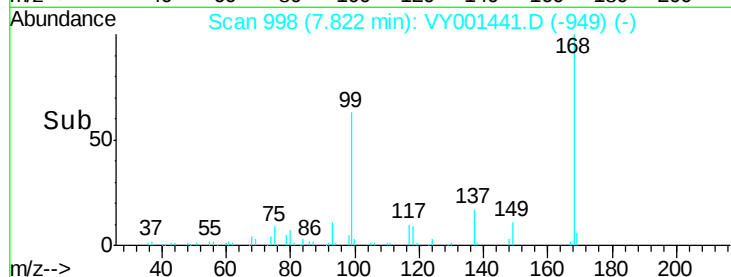
Ion Ratio Lower Upper

168 100

99 62.5 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001441.D (-949) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.534 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY001441.D

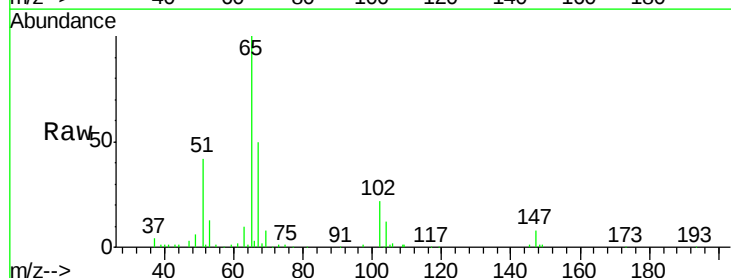
Acq: 30 Jan 2020 19:20

Tgt Ion: 65 Resp: 25239

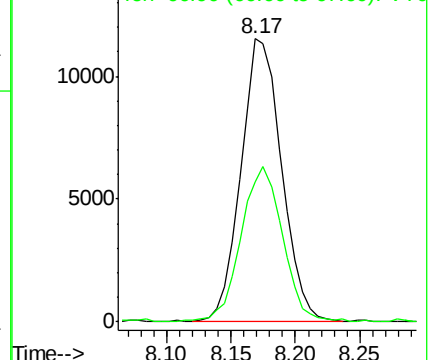
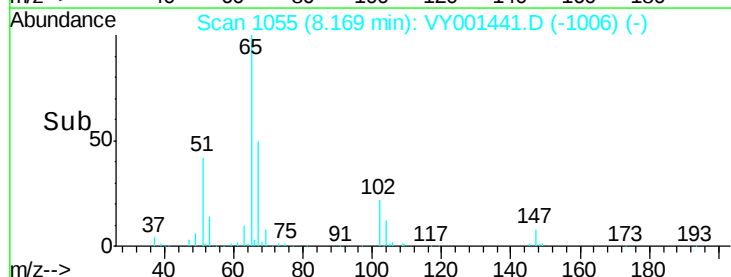
Ion Ratio Lower Upper

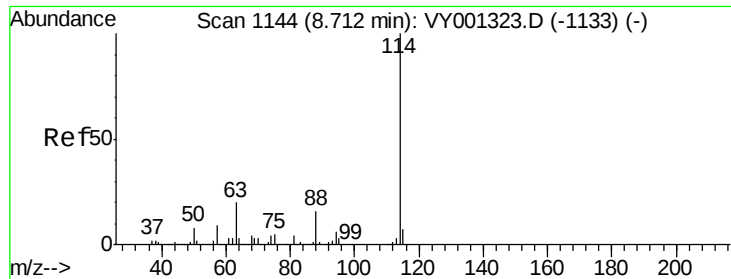
65 100

67 56.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY001441.D (-1006) (-)

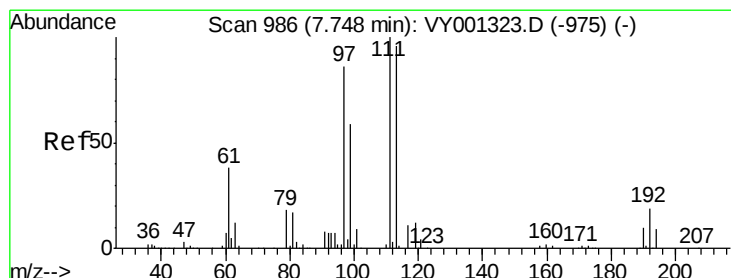
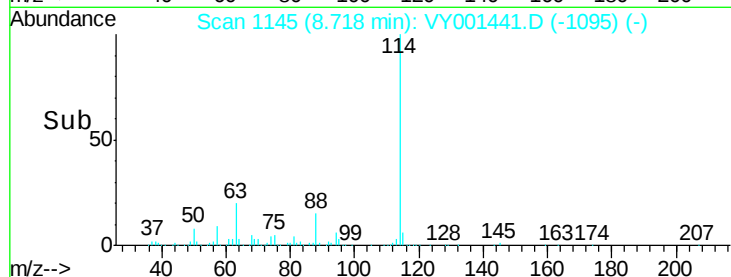
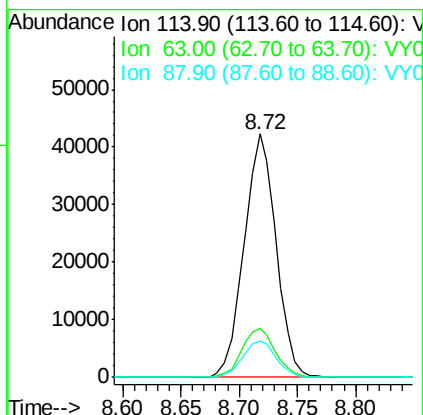
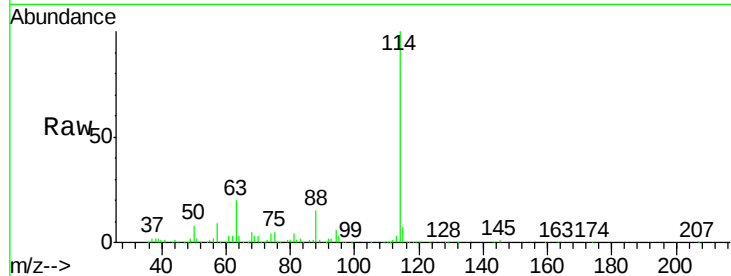




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.72 min Scan# 1145  
 Delta R.T. 0.01 min  
 Lab File: VY001441.D  
 Acq: 30 Jan 2020 19:20

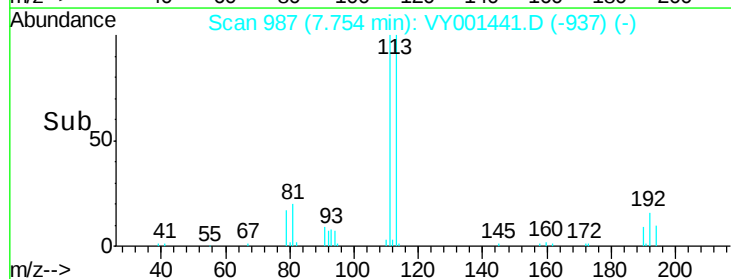
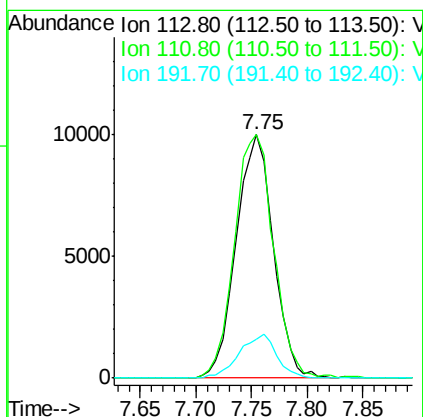
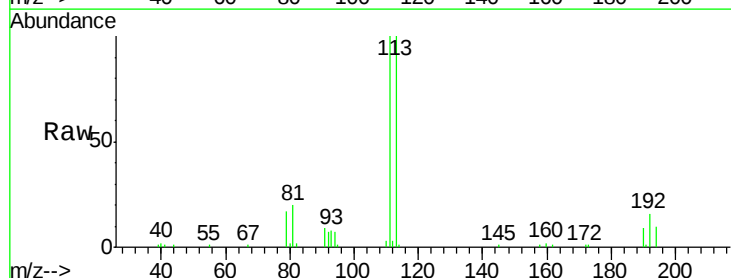
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RAINEY-PARK-BH-04-CRE

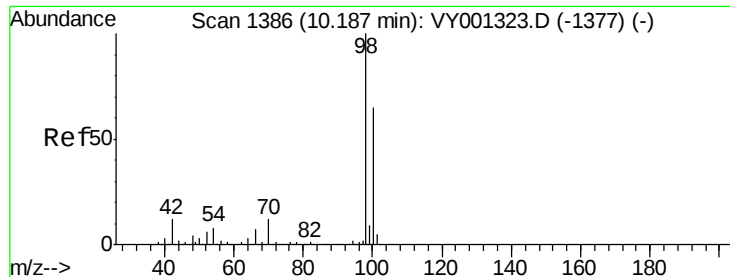
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.4  | 0.0   | 40.8  |
| 88      | 15.0  | 0.0   | 31.0  |



#35  
 Dibromofluoromethane  
 Concen: 48.697 ug/l  
 RT: 7.75 min Scan# 987  
 Delta R.T. 0.01 min  
 Lab File: VY001441.D  
 Acq: 30 Jan 2020 19:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.8 | 82.8  | 124.2 |
| 192     | 18.1  | 15.5  | 23.3  |





#50

Toluene-d8

Concen: 51.992 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001441.D

Acq: 30 Jan 2020 19:20

Instrument :

MSVOA\_Y

ClientSampleId :

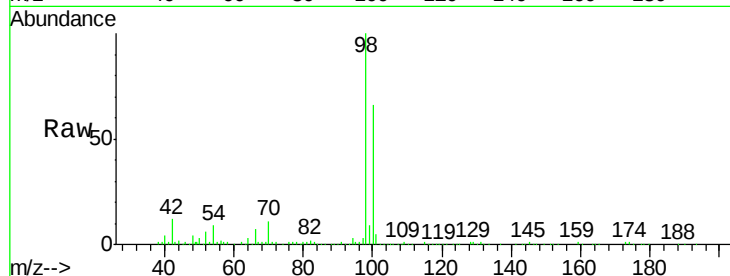
RAINEY-PARK-BH-04-CRE

Tot Ion: 98 Resp: 96008

Ion Ratio Lower Upper

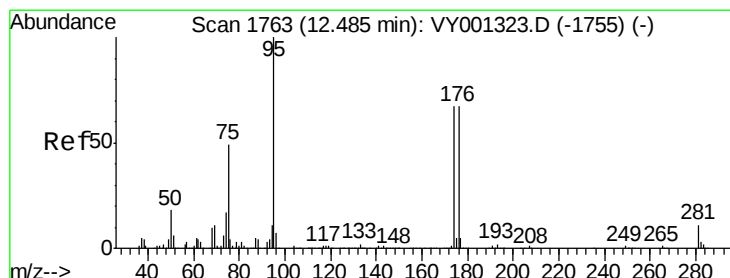
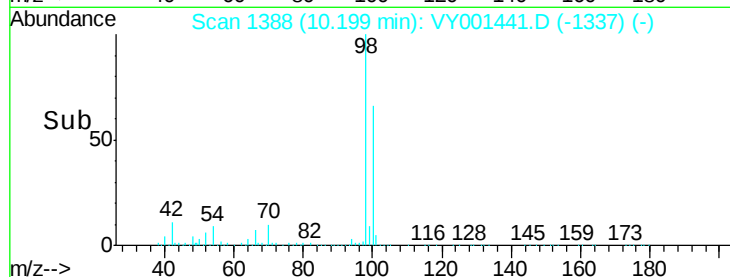
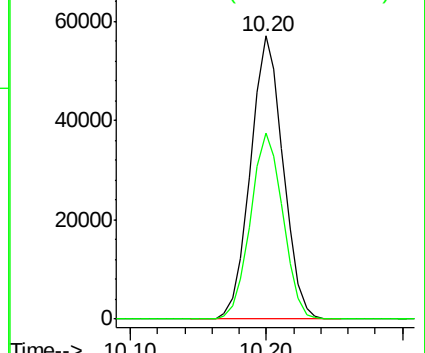
98 100

100 65.3 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: 46.192 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001441.D

Acq: 30 Jan 2020 19:20

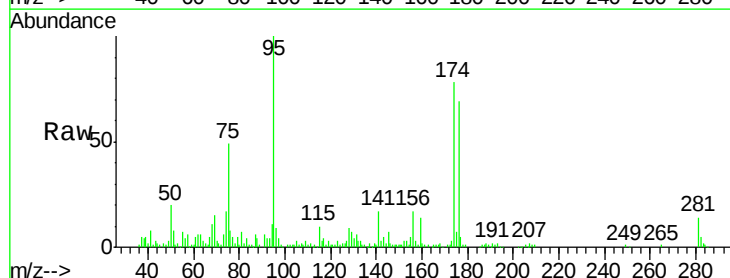
Tgt Ion: 95 Resp: 33968

Ion Ratio Lower Upper

95 100

174 94.6 0.0 142.0

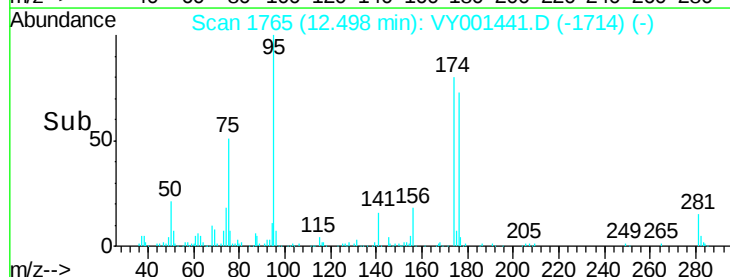
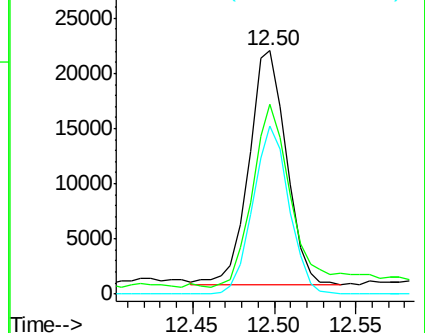
176 68.8 0.0 138.6

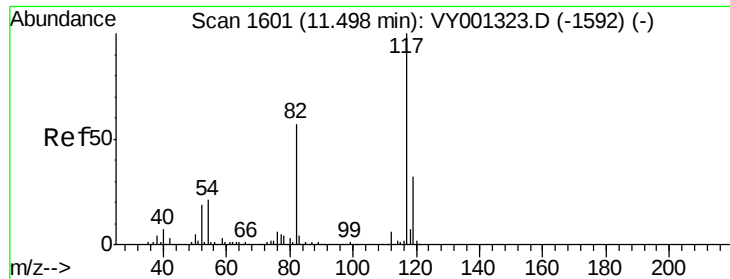


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

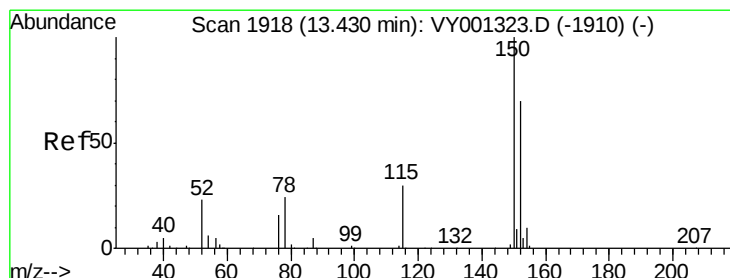
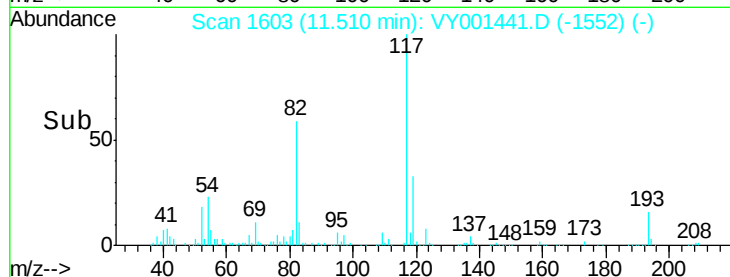
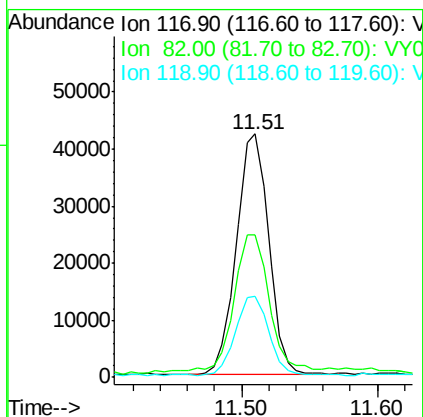
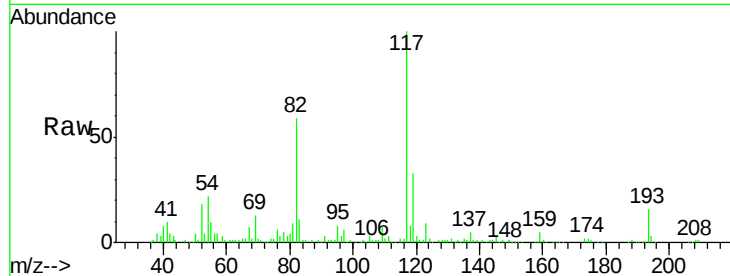




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.51 min Scan# 1603  
Delta R.T. 0.01 min  
Lab File: VY001441.D  
Acq: 30 Jan 2020 19:20

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RAINEY-PARK-BH-04-CRE

Tot Ion:117 Resp: 70720  
Ion Ratio Lower Upper  
117 100  
82 56.1 45.5 68.3  
119 32.5 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. 0.01 min  
Lab File: VY001441.D  
Acq: 30 Jan 2020 19:20

Tgt Ion:152 Resp: 32693  
Ion Ratio Lower Upper  
152 100  
115 67.8 30.9 92.8  
150 152.7 0.0 349.2

