

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\  
 Data File : VY001649.D  
 Acq On : 17 Feb 2020 16:23  
 Operator : SY/MD  
 Sample : L1546-02  
 Misc : 6.16G/5ML/MSVOA Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 INDIAN-ISLAND-(1)

Quant Time: Feb 18 00:40:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 17 12:19:53 2020  
 Response via : Initial Calibration

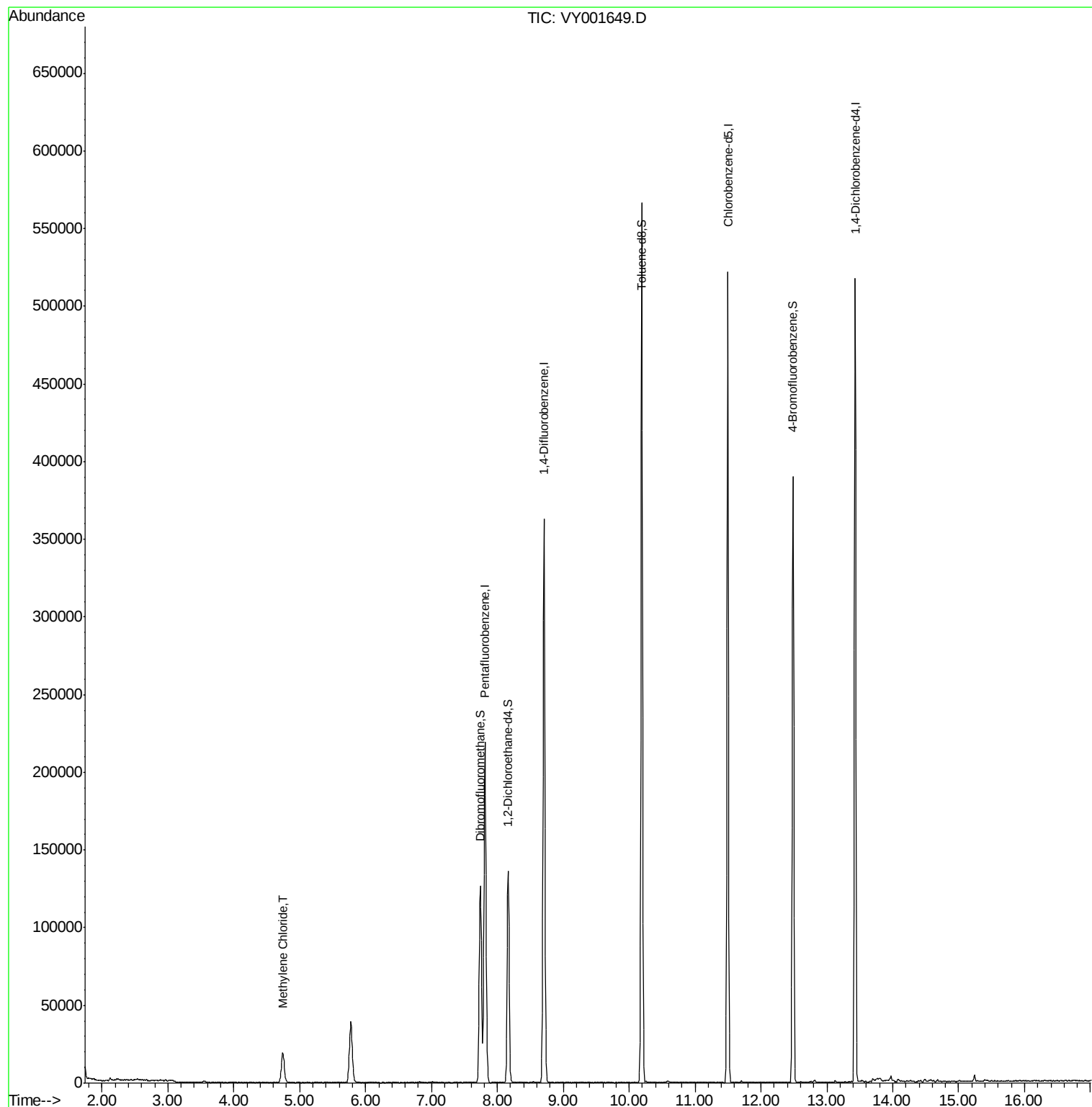
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 169430   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 307257   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 274264   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 124027   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 99697    | 54.70 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.40% |           |
| 35) Dibromofluoromethane    | 7.74  | 113  | 89484    | 50.85 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.70% |           |
| 50) Toluene-d8              | 10.19 | 98   | 368869   | 53.50 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.00% |           |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 127866   | 47.74 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.48%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.74  | 84   | 14227    | 6.352 | ug/l    | Qvalue 96 |

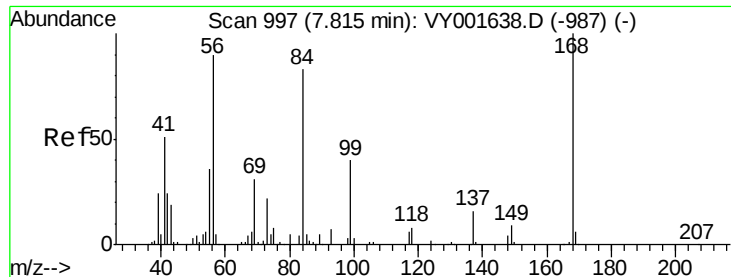
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 17 12:19:53 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001649.D

Acq: 17 Feb 2020 16:23

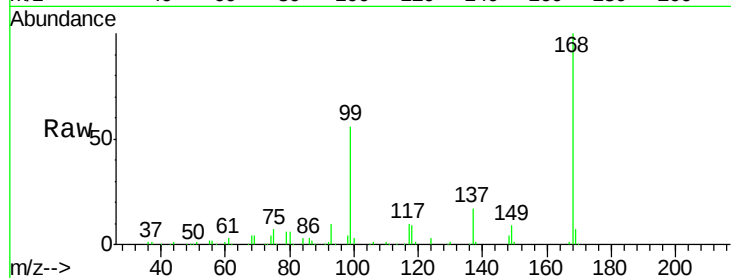
Instrument :  
MSVOA\_Y  
ClientSampleId :  
INDIAN-ISLAND-(1)

Tot Ion:168 Resp: 169430

Ion Ratio Lower Upper

168 100

99 56.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.82

80000

60000

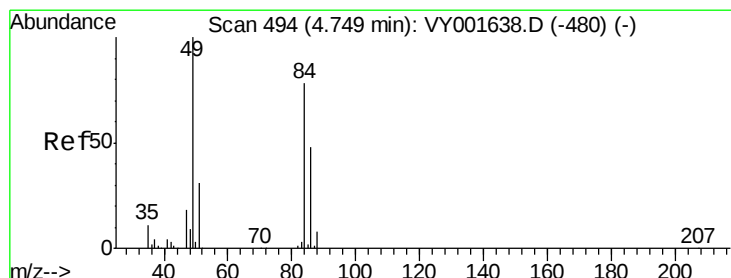
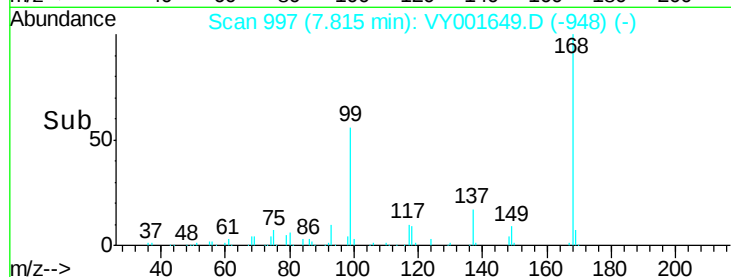
40000

20000

0

7.70 7.80 7.90

Time-->



#20

Methylene Chloride

Concen: 6.352 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.01 min

Lab File: VY001649.D

Acq: 17 Feb 2020 16:23

Tgt Ion: 84 Resp: 14227

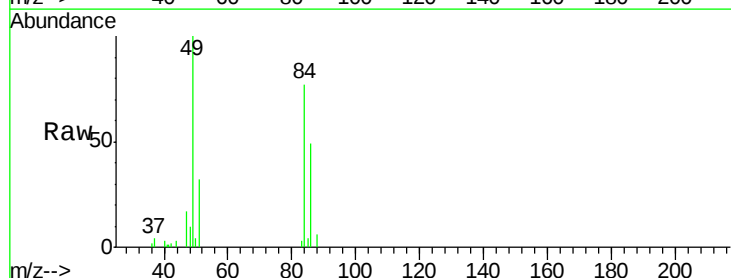
Ion Ratio Lower Upper

84 100

49 129.1 99.2 148.8

51 42.0 31.5 47.3

86 62.7 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001638.D (-480) (-)

Ion 48.90 (48.60 to 49.60): VY001638.D (-480) (-)

Ion 50.90 (50.60 to 51.60): VY001638.D (-480) (-)

Ion 85.90 (85.60 to 86.60): VY001638.D (-480) (-)

8000

6000

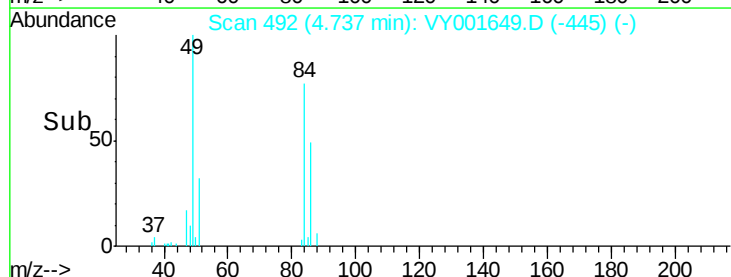
4000

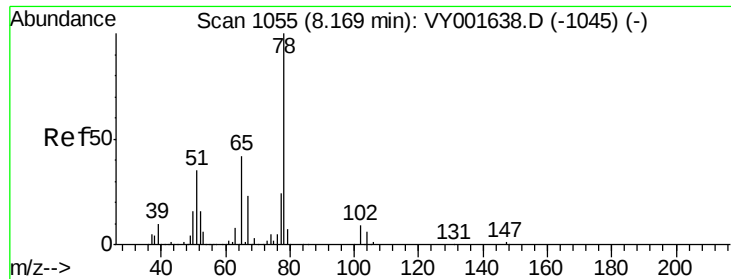
2000

0

4.60 4.70 4.80 4.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.705 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001649.D

Acq: 17 Feb 2020 16:23

Instrument :

MSVOA\_Y

ClientSampleId :

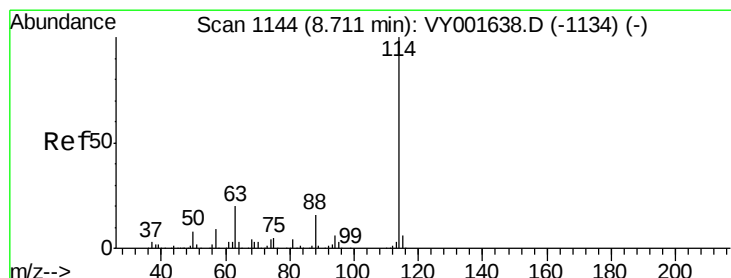
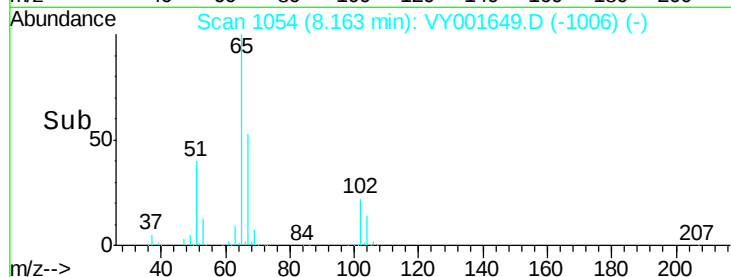
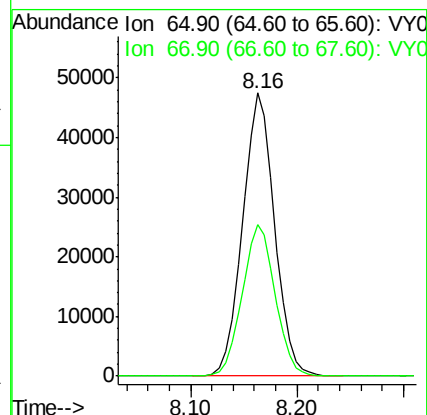
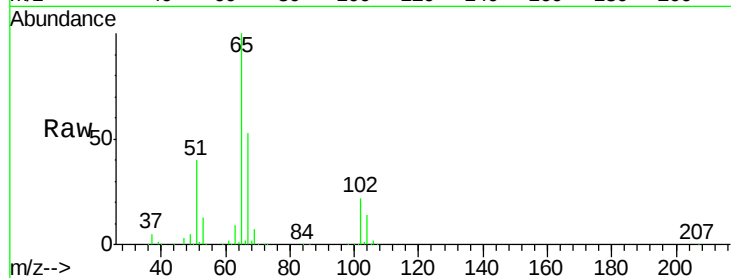
INDIAN-ISLAND-(1)

Tot Ion: 65 Resp: 99697

Ion Ratio Lower Upper

65 100

67 55.1 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001649.D

Acq: 17 Feb 2020 16:23

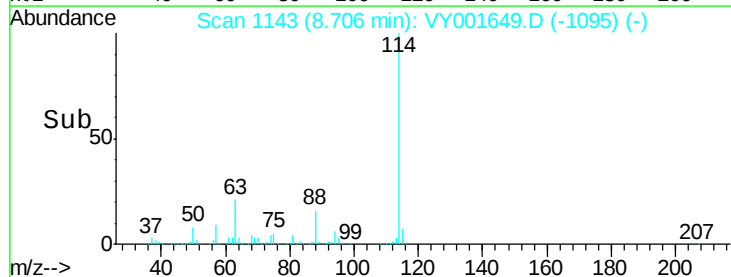
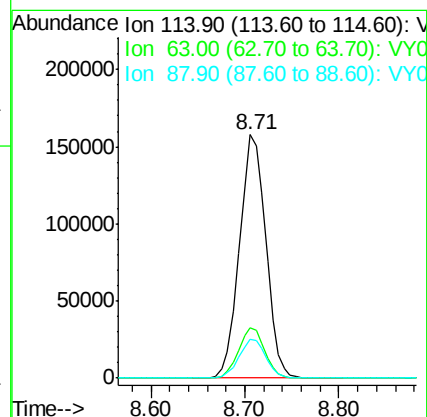
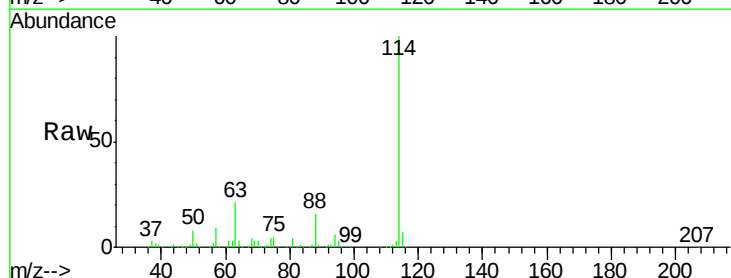
Tgt Ion: 114 Resp: 307257

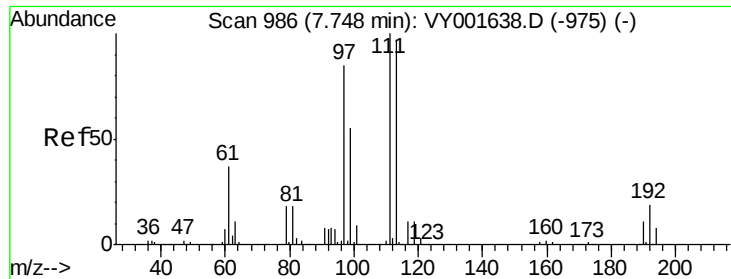
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

88 15.7 0.0 32.8

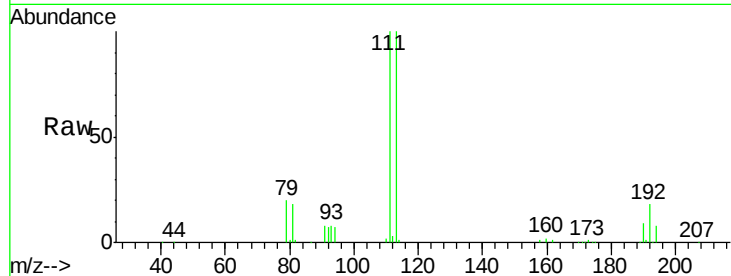




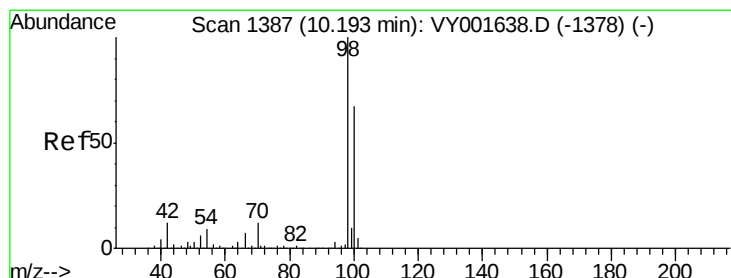
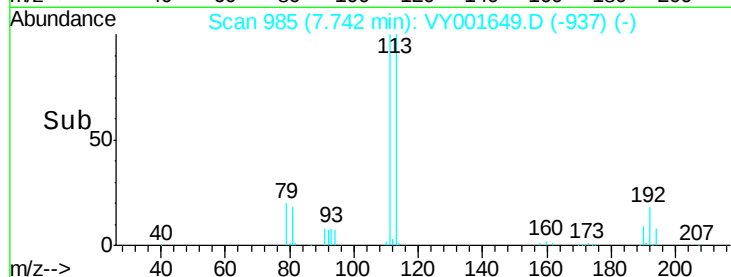
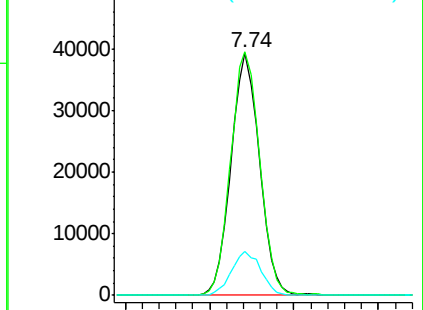
#35  
 Dibromofluoromethane  
 Concen: 50.848 ug/l  
 RT: 7.74 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: VY001649.D  
 Acq: 17 Feb 2020 16:23

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 INDIAN-ISLAND-(1)

Tot Ion:113 Resp: 89484  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 81.9 122.9  
 192 18.6 14.3 21.5

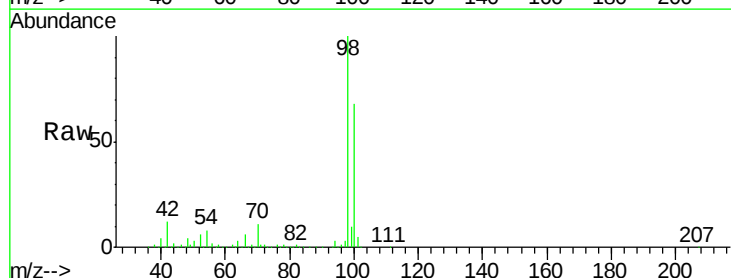


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

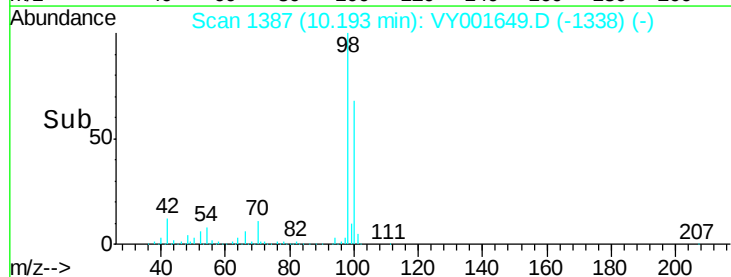
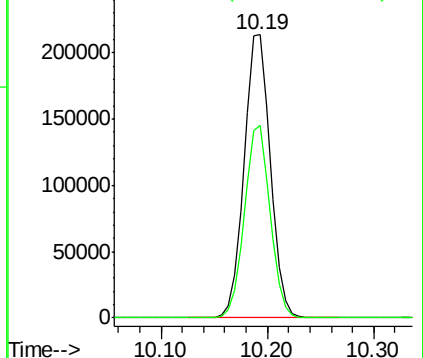


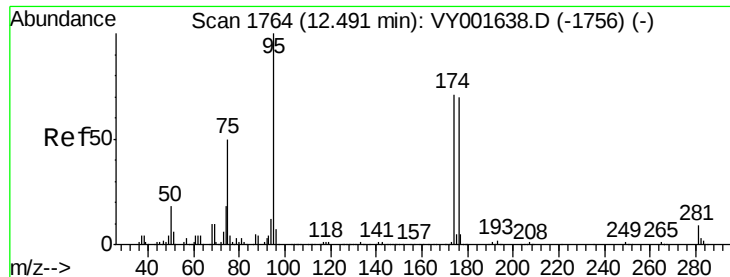
#50  
 Toluene-d8  
 Concen: 53.502 ug/l  
 RT: 10.19 min Scan# 1387  
 Delta R.T. 0.00 min  
 Lab File: VY001649.D  
 Acq: 17 Feb 2020 16:23

Tgt Ion: 98 Resp: 368869  
 Ion Ratio Lower Upper  
 98 100  
 100 66.7 53.0 79.4



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

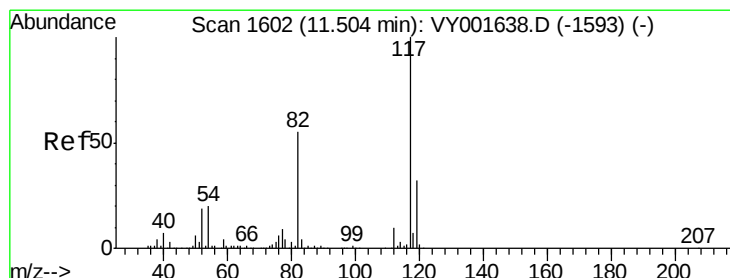
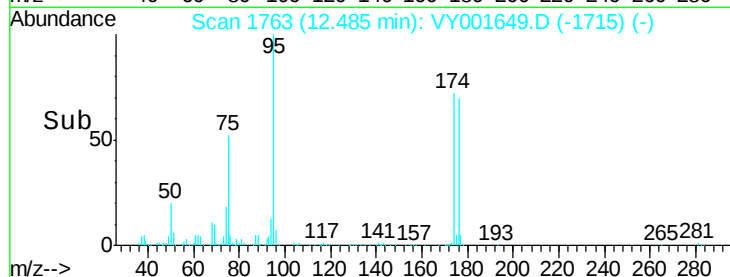
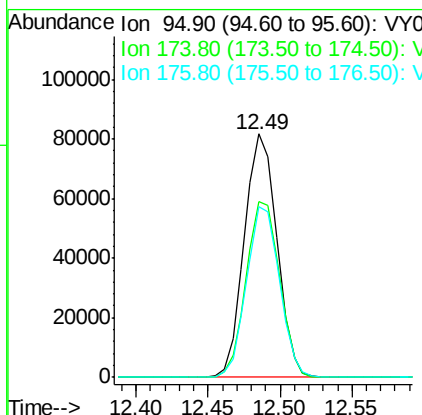
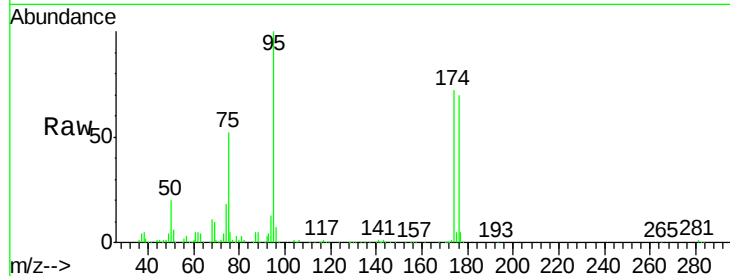




#62  
4-Bromofluorobenzene  
Concen: 47.739 ug/l  
RT: 12.49 min Scan# 1763  
Delta R.T. -0.01 min  
Lab File: VY001649.D  
Acq: 17 Feb 2020 16:23

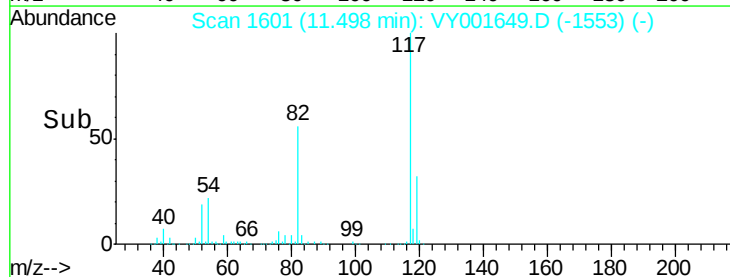
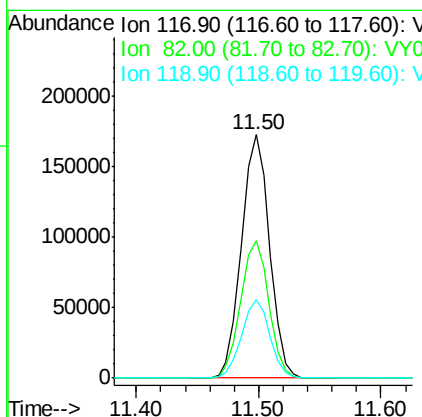
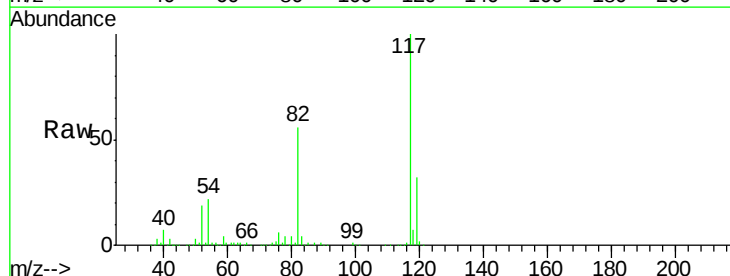
Instrument :  
MSVOA\_Y  
ClientSampleId :  
INDIAN-ISLAND-(1)

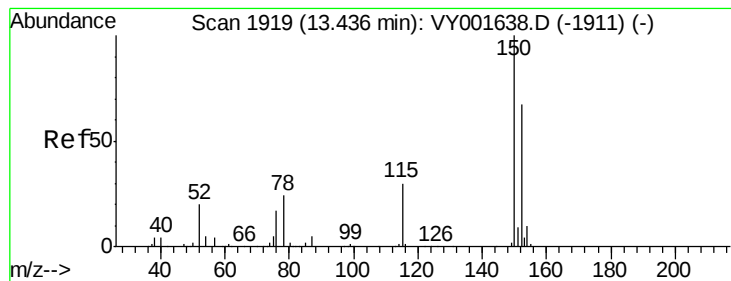
| Tot Ion   | 95    | Resp  | 127866 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 74.2  | 0.0   | 138.4  |
| 176       | 70.9  | 0.0   | 131.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: VY001649.D  
Acq: 17 Feb 2020 16:23

| Tgt Ion   | 117   | Resp  | 274264 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.2  | 45.5  | 68.3   |
| 119       | 32.0  | 25.8  | 38.6   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001649.D

Acq: 17 Feb 2020 16:23

Instrument :

MSVOA\_Y

ClientSampleId :

INDIAN-ISLAND-(1)

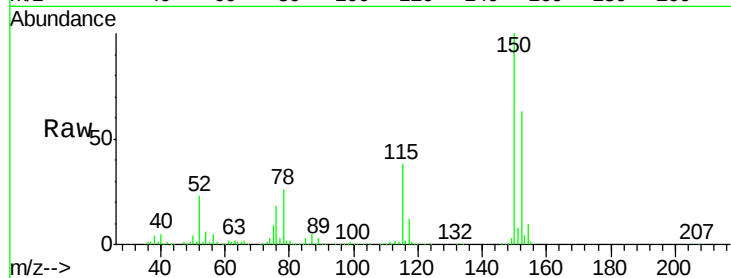
Tot Ion:152 Resp: 124027

Ion Ratio Lower Upper

152 100

115 60.3 31.4 94.2

150 158.5 0.0 407.2



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

