

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061920\  
 Data File : VY002943.D  
 Acq On : 19 Jun 2020 17:24  
 Operator : SY/MD  
 Sample : L3051-01  
 Misc : 7.75G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SLUDGE-BOX

Quant Time: Jun 20 04:51:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y061920S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 19 15:04:26 2020  
 Response via : Initial Calibration

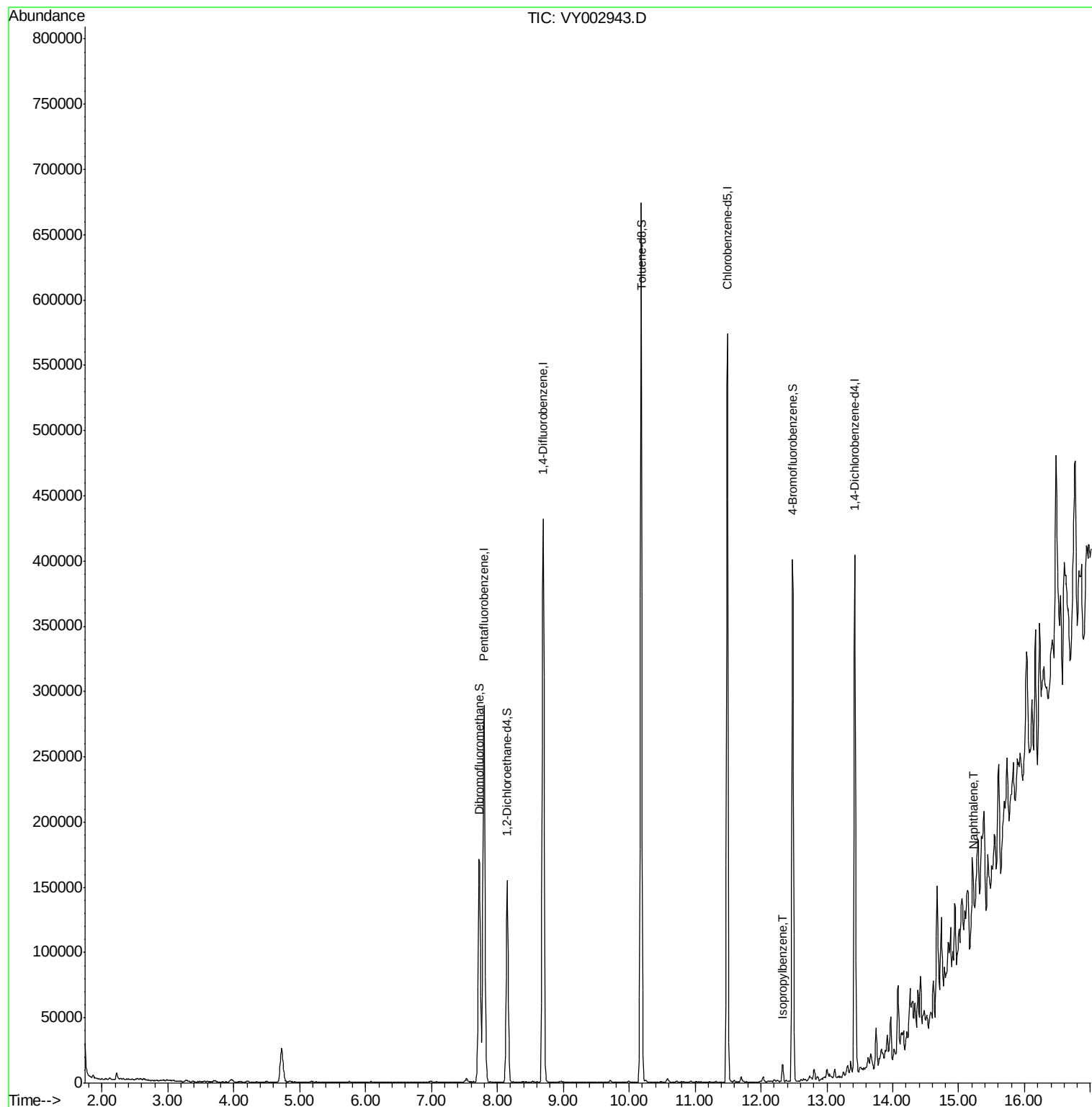
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 246248   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 400619   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 336736   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 107981   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 119658   | 58.83 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.66% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 123722   | 54.58 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.16% |          |
| 50) Toluene-d8              | 10.18 | 98   | 455785   | 51.00 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.00% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 121175   | 39.08 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 78.16%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 73) Isopropylbenzene        | 12.33 | 105  | 8772     | 1.325 | ug/l    | 98       |
| 95) Naphthalene             | 15.23 | 128  | 8960     | 2.015 | ug/l #  | 86       |

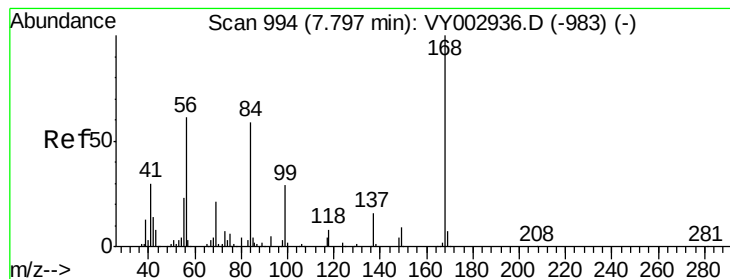
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Jun 19 15:04:26 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002943.D

Acq: 19 Jun 2020 17:24

Instrument :

MSVOA\_Y

ClientSampleId :

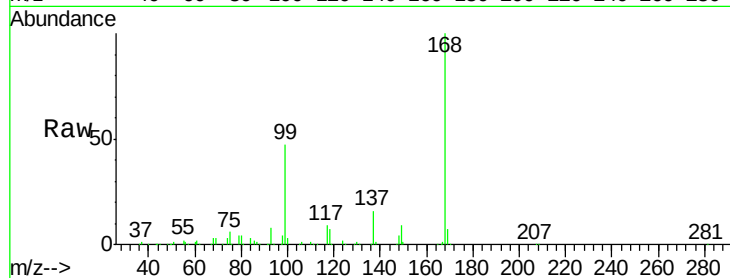
SLUDGE-BOX

Tot Ion:168 Resp: 246248

Ion Ratio Lower Upper

168 100

99 47.2 39.5 59.3



Abundance Ion 167.90 (167.60 to 168.60): VY002943.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002943.D (-945) (-)

7.80

120000

100000

80000

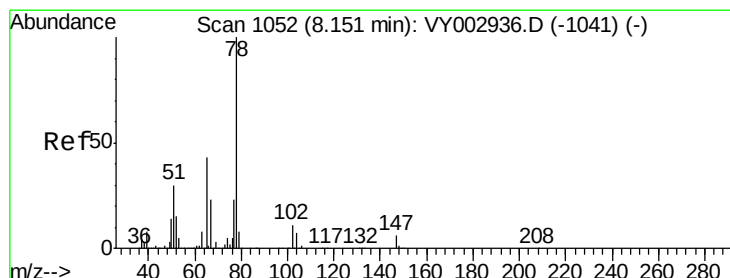
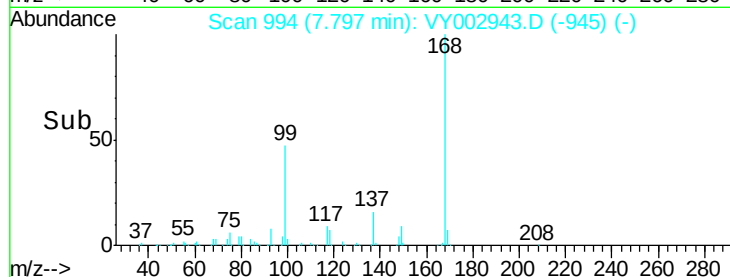
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 58.830 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002943.D

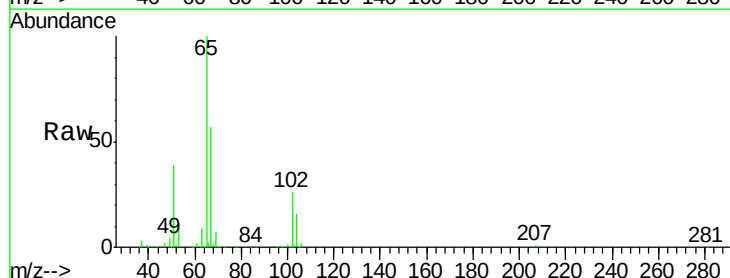
Acq: 19 Jun 2020 17:24

Tgt Ion: 65 Resp: 119658

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY002943.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY002943.D (-1003) (-)

8.15

60000

50000

40000

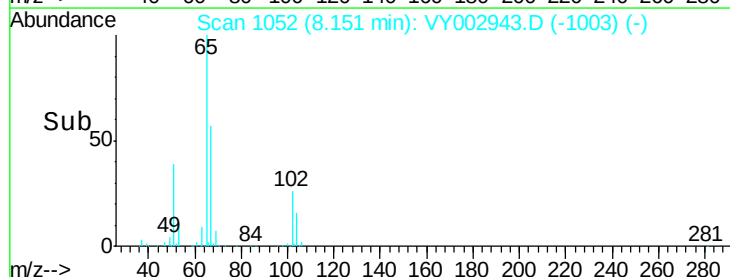
30000

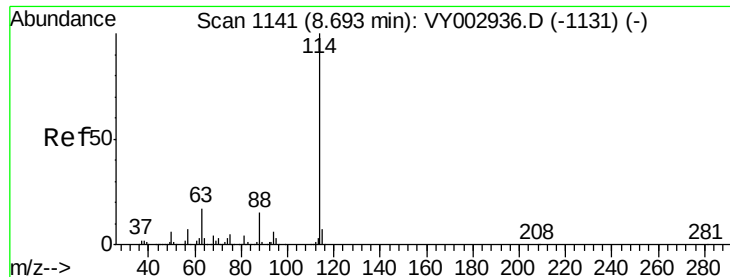
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002943.D

Acq: 19 Jun 2020 17:24

Instrument :

MSVOA\_Y

ClientSampleId :

SLUDGE-BOX

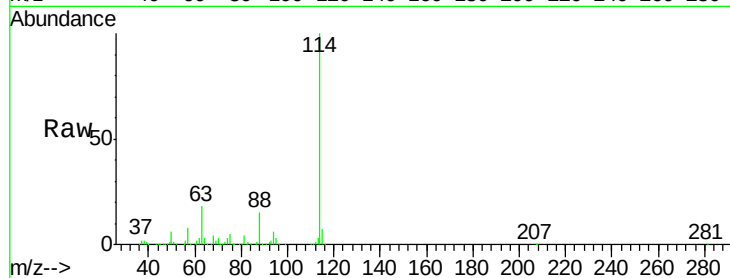
Tot Ion:114 Resp: 400619

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.6

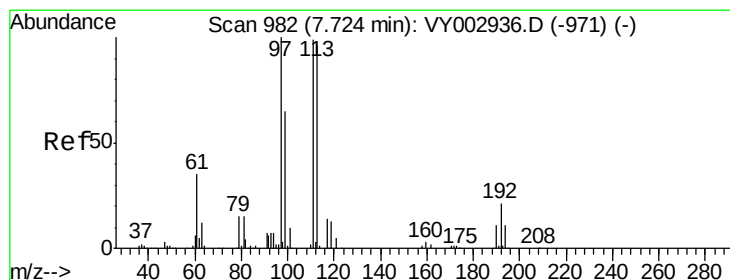
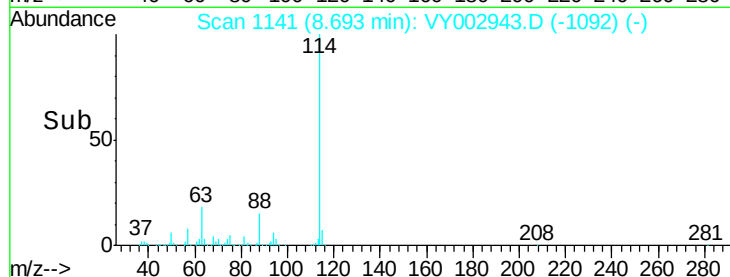
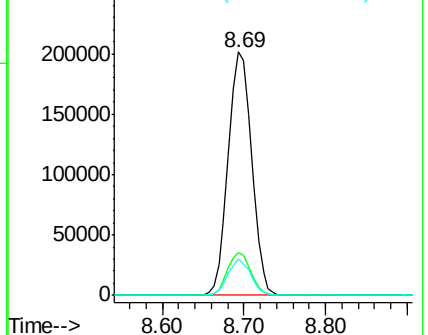
88 14.8 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 54.580 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY002943.D

Acq: 19 Jun 2020 17:24

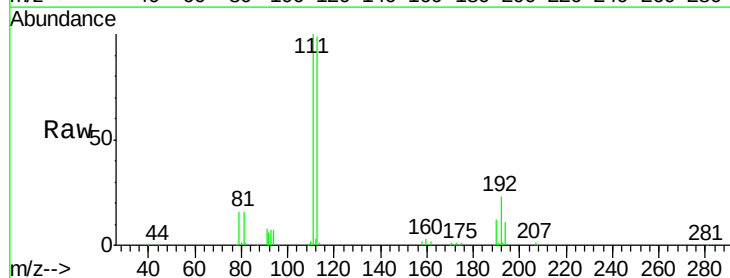
Tgt Ion:113 Resp: 123722

Ion Ratio Lower Upper

113 100

111 102.3 81.5 122.3

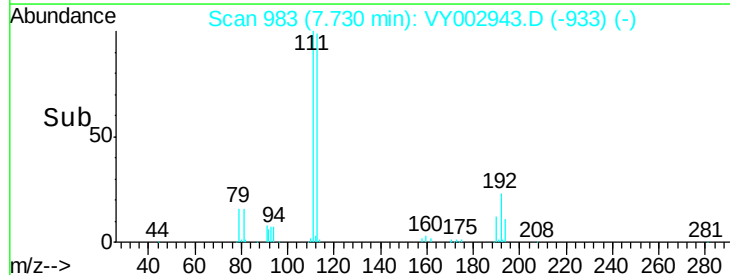
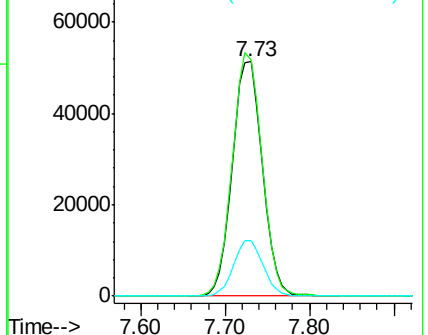
192 23.1 19.2 28.8

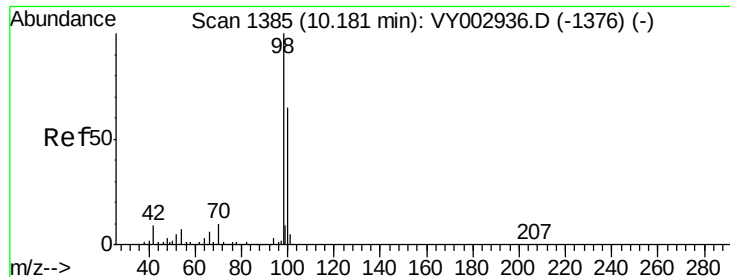


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.995 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002943.D

Acq: 19 Jun 2020 17:24

Instrument :

MSVOA\_Y

ClientSampleId :

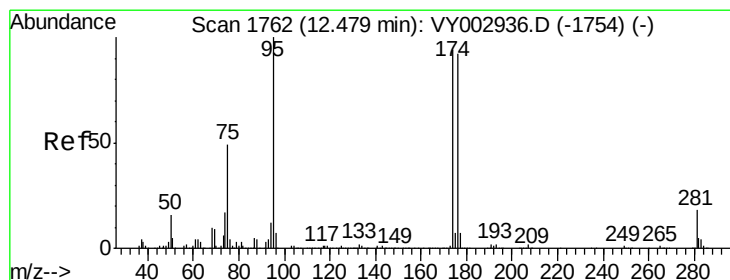
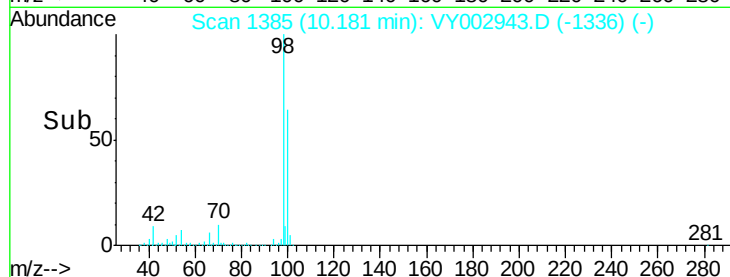
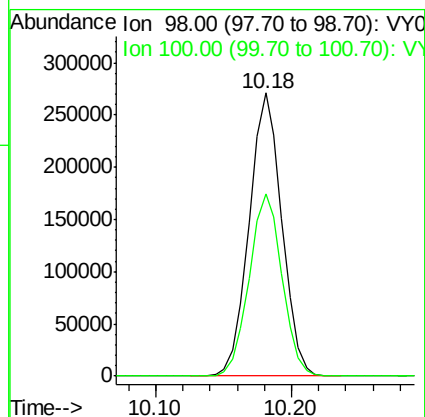
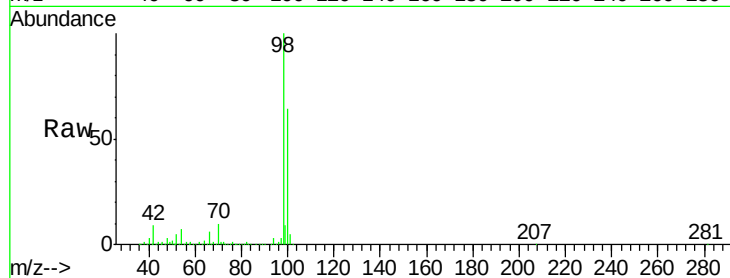
SLUDGE-BOX

Tot Ion: 98 Resp: 455785

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 39.084 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002943.D

Acq: 19 Jun 2020 17:24

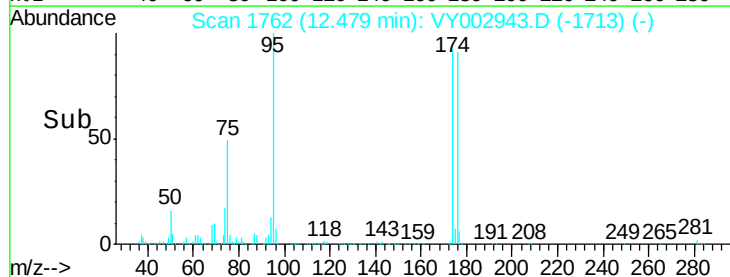
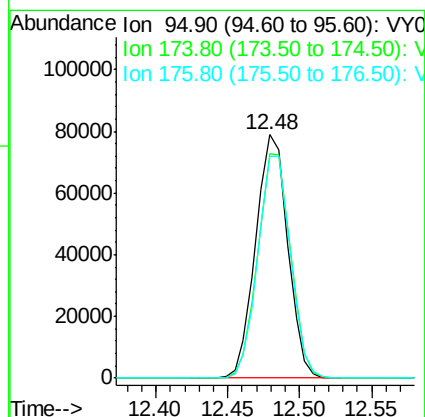
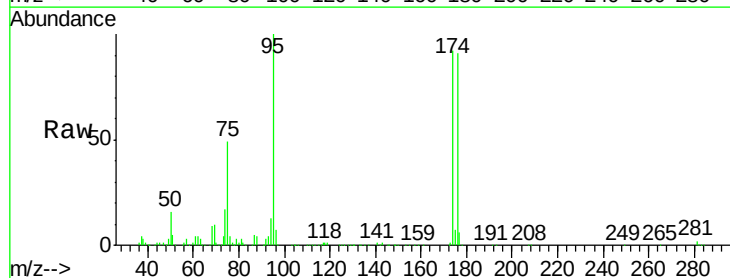
Tgt Ion: 95 Resp: 121175

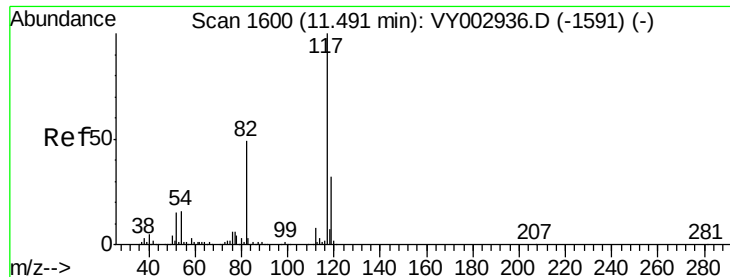
Ion Ratio Lower Upper

95 100

174 94.3 0.0 191.2

176 93.1 0.0 186.0

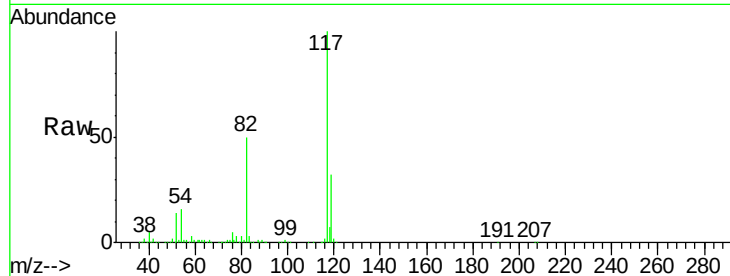




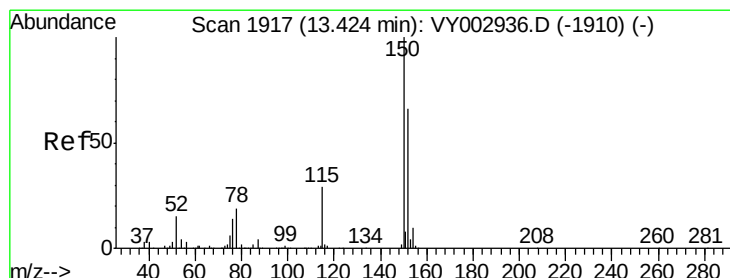
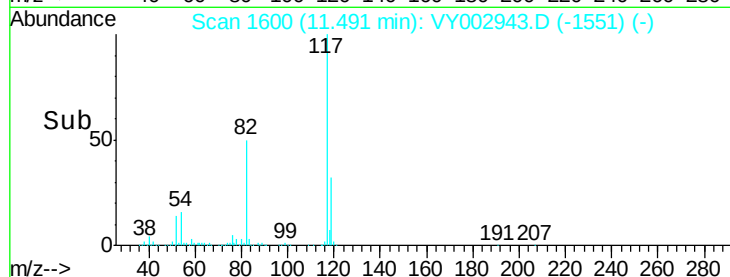
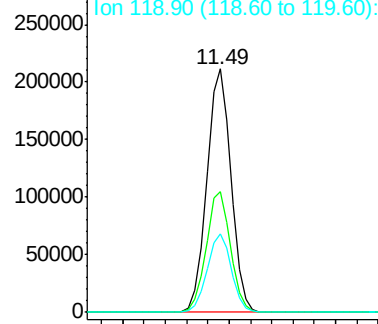
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY002943.D  
Acq: 19 Jun 2020 17:24

Instrument :  
MSVOA\_Y  
ClientSampled :  
SLUDGE-BOX

Tot Ion:117 Resp: 336736  
Ion Ratio Lower Upper  
117 100  
82 49.8 39.4 59.0  
119 32.2 25.4 38.0

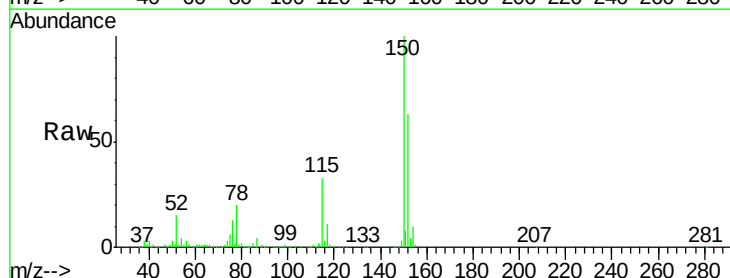


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V

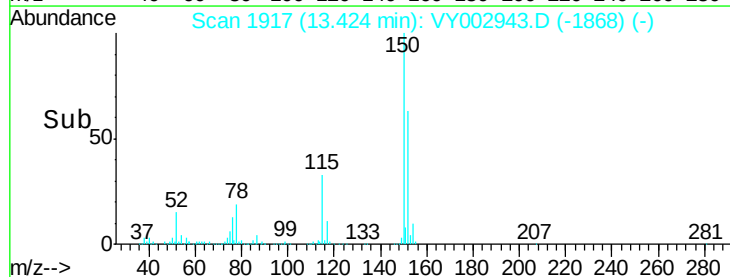
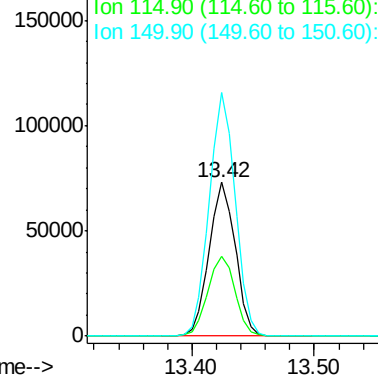


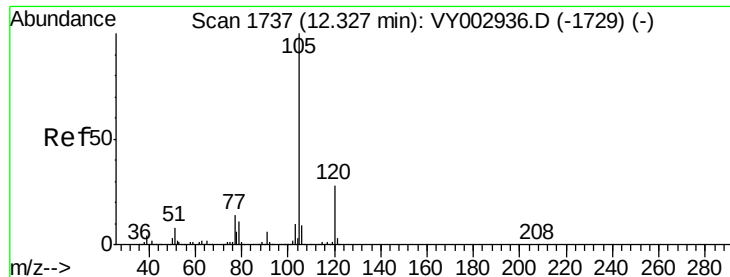
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY002943.D  
Acq: 19 Jun 2020 17:24

Tgt Ion:152 Resp: 107981  
Ion Ratio Lower Upper  
152 100  
115 53.9 26.9 80.6  
150 157.6 0.0 341.8



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





#73

Isopropylbenzene

Concen: 1.325 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002943.D

Acq: 19 Jun 2020 17:24

Instrument :

MSVOA\_Y

ClientSampleId :

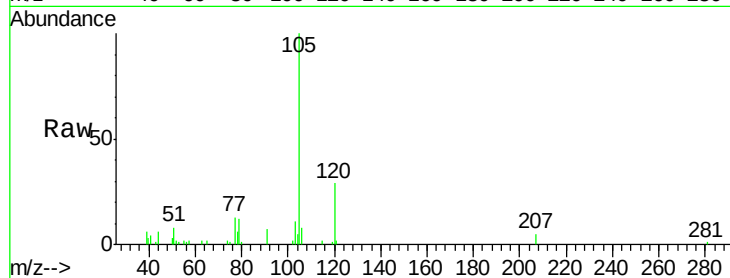
SLUDGE-BOX

Tot Ion:105 Resp: 8772

Ion Ratio Lower Upper

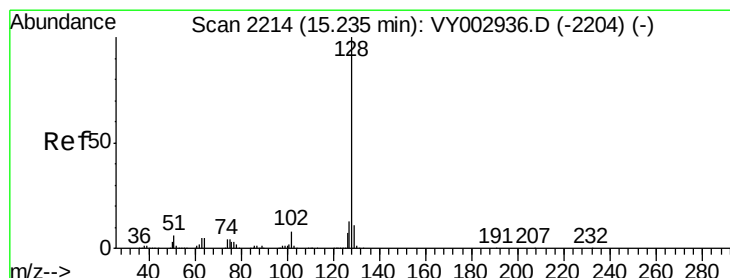
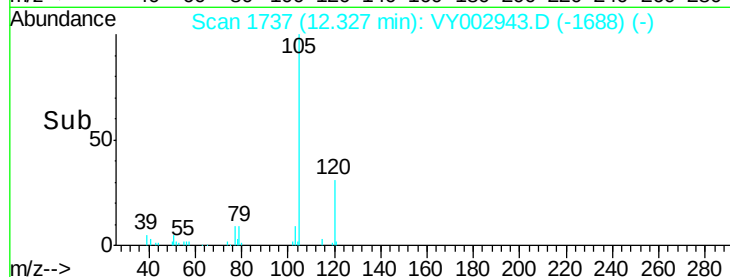
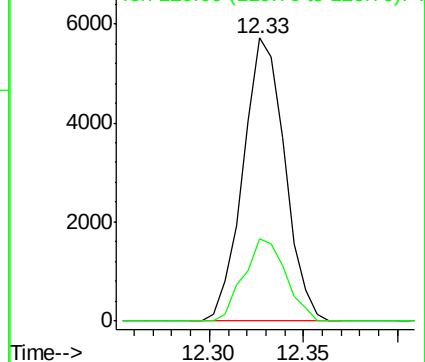
105 100

120 29.1 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 2.015 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002943.D

Acq: 19 Jun 2020 17:24

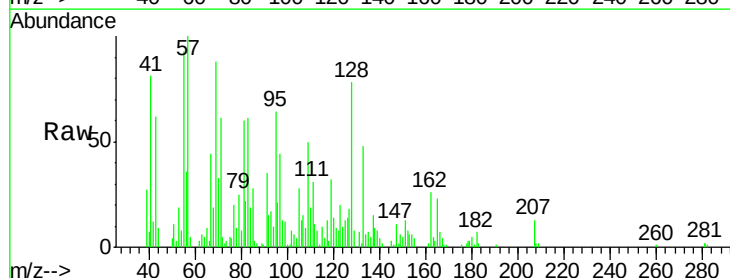
Tgt Ion:128 Resp: 8960

Ion Ratio Lower Upper

128 100

127 21.8 10.2 15.4#

129 12.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

