

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\  
 Data File : VY001924.D  
 Acq On : 10 Mar 2020 16:04  
 Operator : SY/MD  
 Sample : L1859-05  
 Misc : 6.16G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-7-(9-10)

Quant Time: Mar 11 05:24:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 04:05:33 2020  
 Response via : Initial Calibration

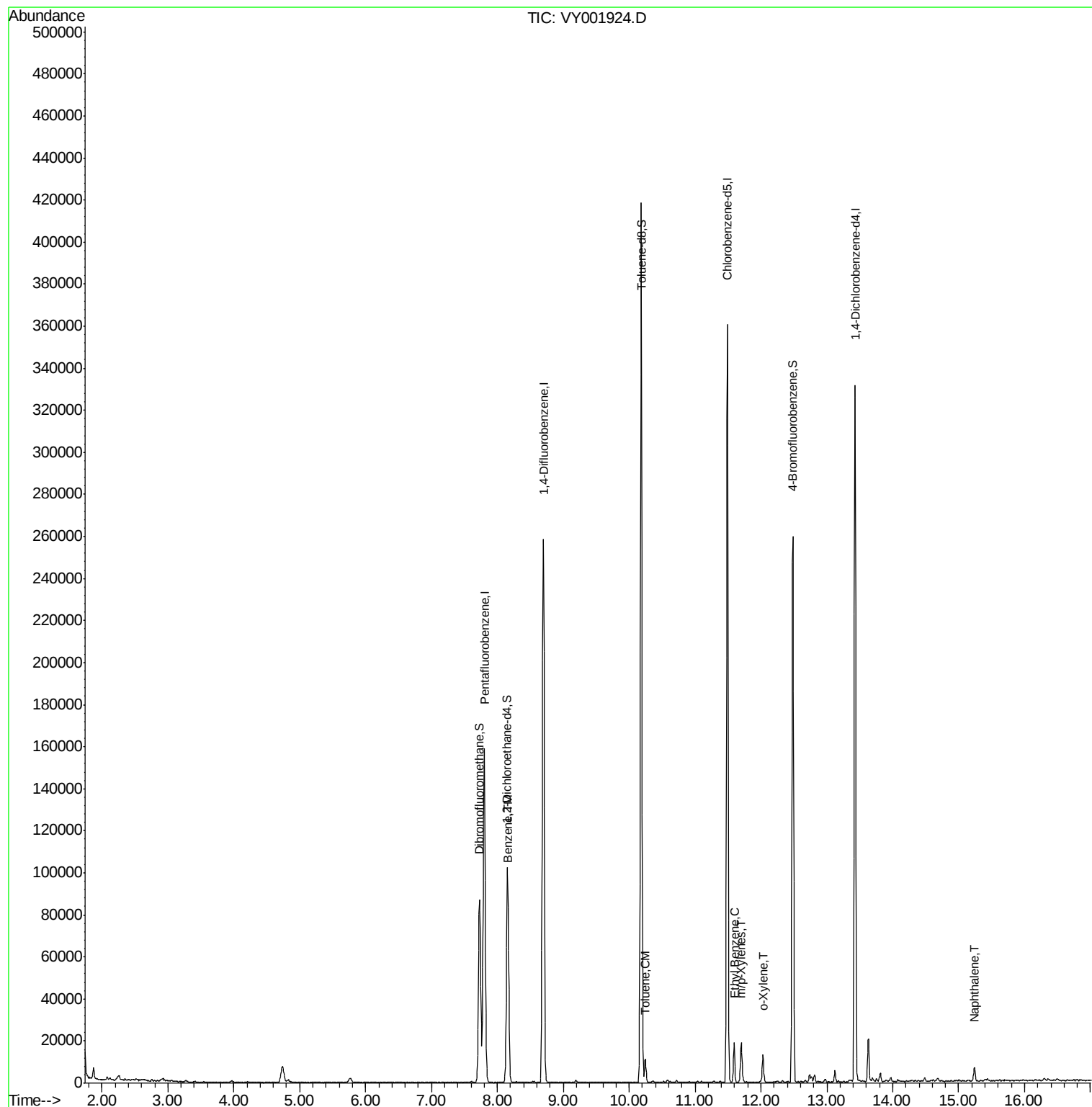
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 118035   | 50.00 | ug/l    | -0.01    |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 220926   | 50.00 | ug/l    | -0.01    |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 192753   | 50.00 | ug/l    | -0.01    |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 80905    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 69009    | 54.76 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.52% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 62649    | 51.93 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.86% |          |
| 50) Toluene-d8              | 10.18 | 98   | 264295   | 51.96 | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.92% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 85447    | 48.31 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.62%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 40) Benzene                 | 8.17  | 78   | 18528    | 2.940 | ug/l    | 98       |
| 52) Toluene                 | 10.25 | 92   | 3987     | 1.042 | ug/l    | 91       |
| 67) Ethyl Benzene           | 11.60 | 91   | 12774    | 1.783 | ug/l    | 99       |
| 68) m/p-Xylenes             | 11.70 | 106  | 5722     | 2.161 | ug/l    | 96       |
| 69) o-Xylene                | 12.03 | 106  | 3531     | 1.415 | ug/l    | 99       |
| 95) Naphthalene             | 15.24 | 128  | 5145     | 1.436 | ug/l    | 96       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY031020\  
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Sample : L1859-05  
Misc : 6.16G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-7-(9-10)

Quant Time: Mar 11 05:24:34 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 05 04:05:33 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001924.D

Acq: 10 Mar 2020 16:04

Instrument :

MSVOA\_Y

ClientSampleId :

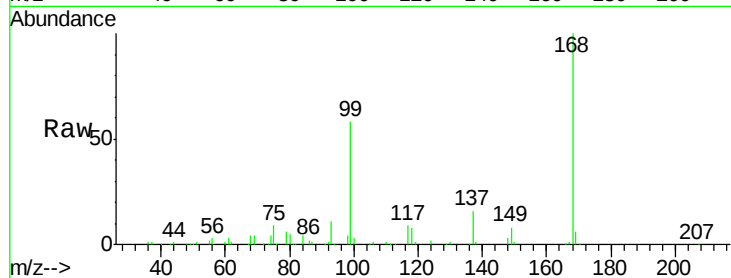
TP-7-(9-10)

Tot Ion:168 Resp: 118035

Ion Ratio Lower Upper

168 100

99 58.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.80

60000

50000

40000

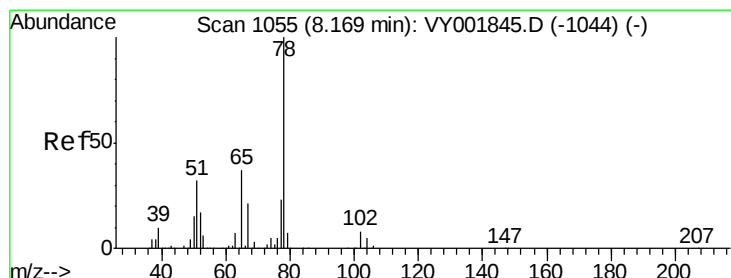
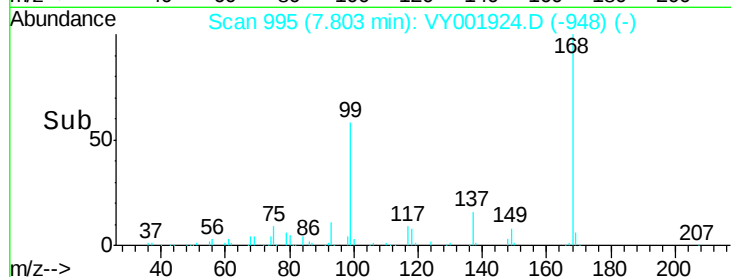
30000

20000

10000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.765 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.02 min

Lab File: VY001924.D

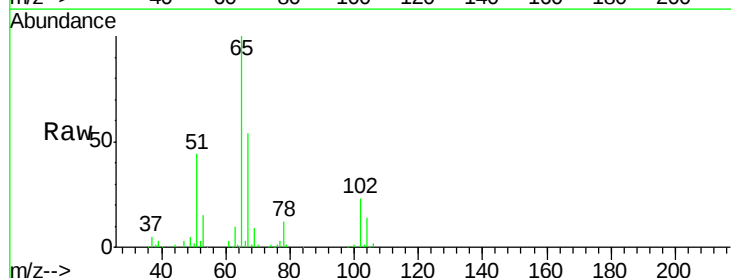
Acq: 10 Mar 2020 16:04

Tgt Ion: 65 Resp: 69009

Ion Ratio Lower Upper

65 100

67 54.1 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY001924.D (-1006) (-)

Ion 66.90 (66.60 to 67.60): VY001924.D (-1006) (-)

8.15

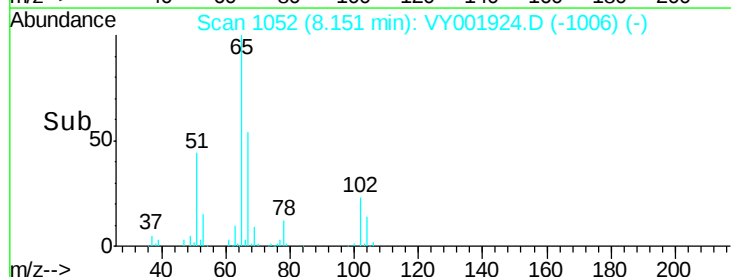
30000

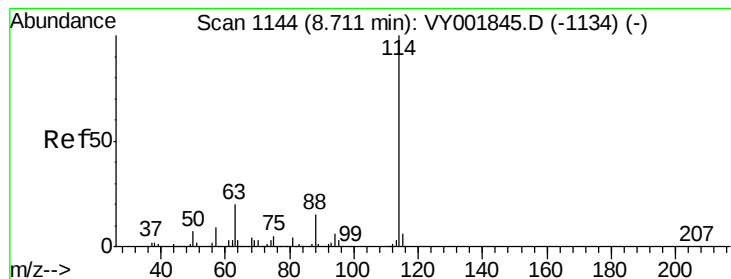
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001924.D

Acq: 10 Mar 2020 16:04

Instrument :

MSVOA\_Y

ClientSampleId :

TP-7-(9-10)

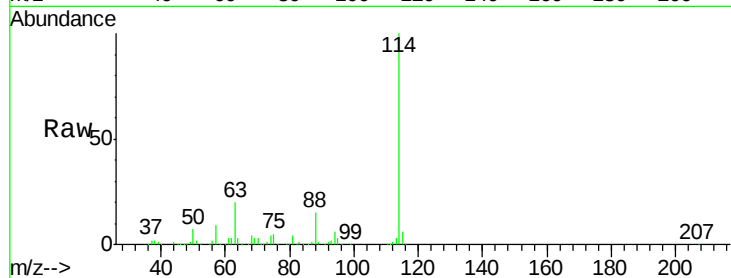
Tot Ion:114 Resp: 220926

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

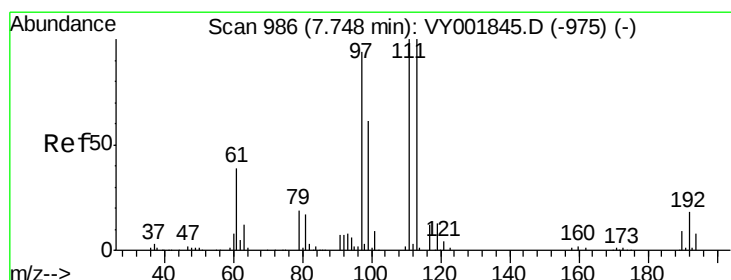
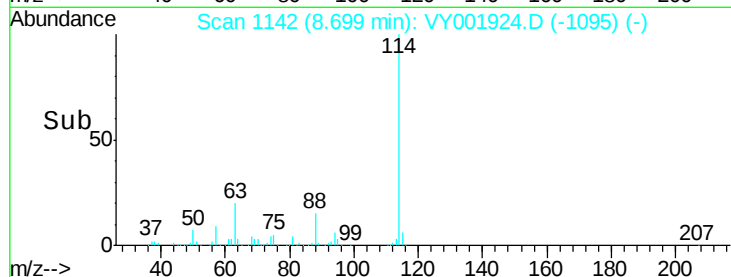
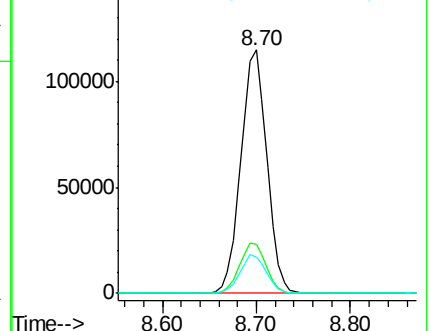
88 15.0 0.0 30.4



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: 51.932 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001924.D

Acq: 10 Mar 2020 16:04

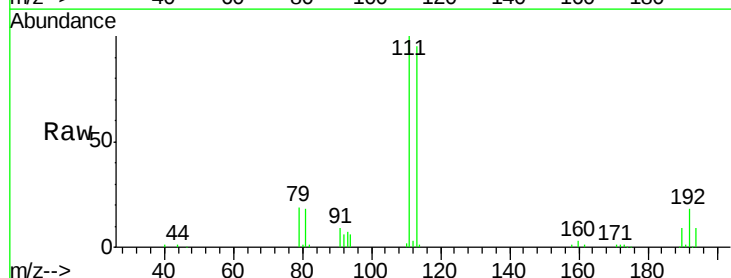
Tgt Ion:113 Resp: 62649

Ion Ratio Lower Upper

113 100

111 103.9 81.8 122.8

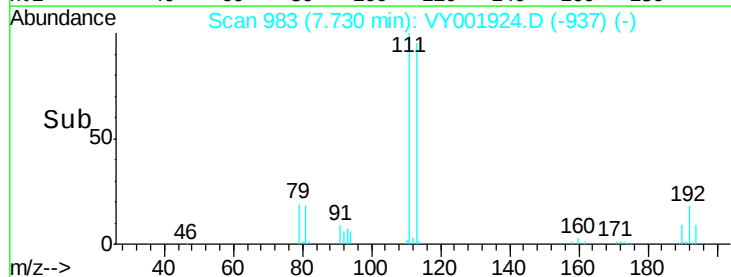
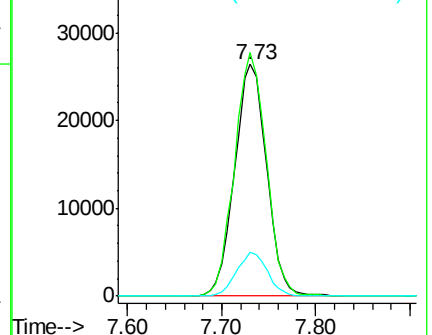
192 18.3 14.2 21.2

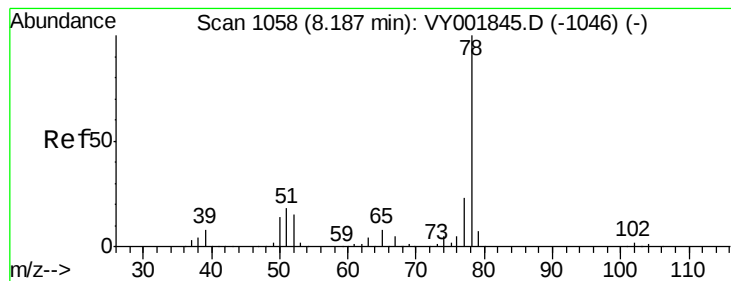


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 2.940 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.02 min

Lab File: VY001924.D

Acq: 10 Mar 2020 16:04

Instrument :

MSVOA\_Y

ClientSampled :

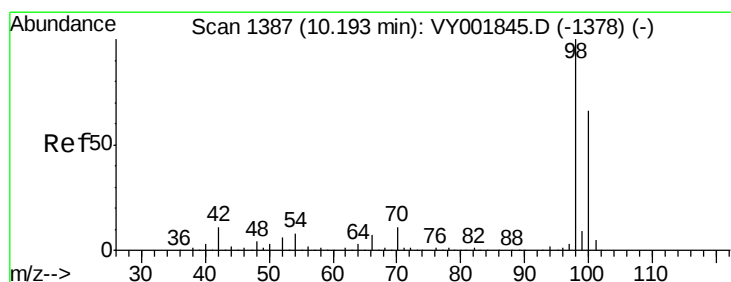
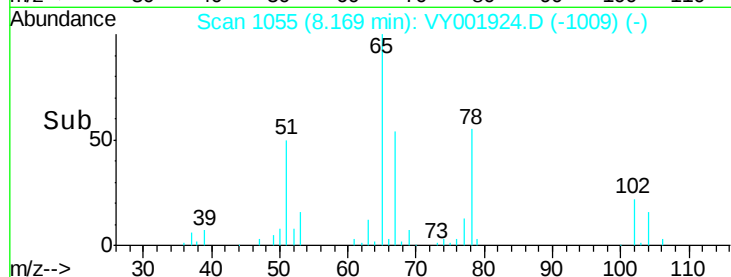
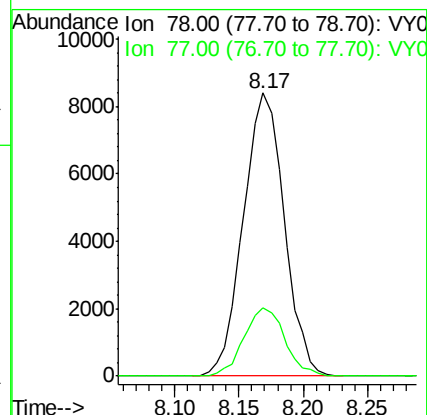
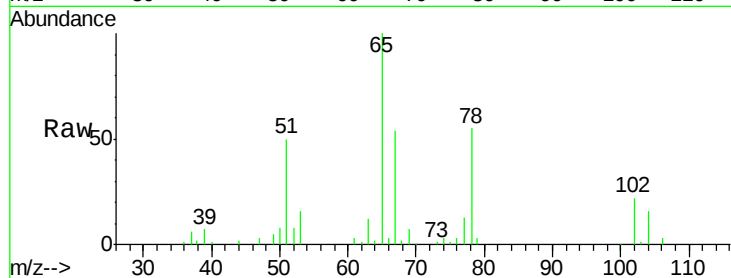
TP-7-(9-10)

Tot Ion: 78 Resp: 18528

Ion Ratio Lower Upper

78 100

77 24.3 18.7 28.1



#50

Toluene-d8

Concen: 51.955 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001924.D

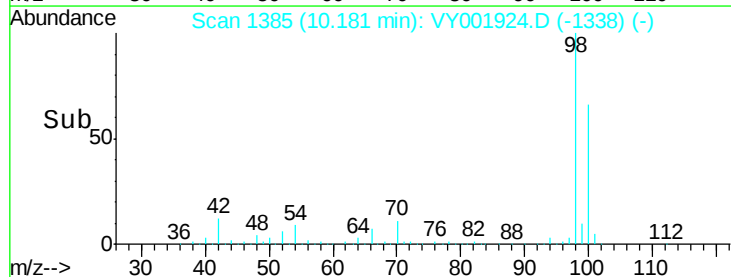
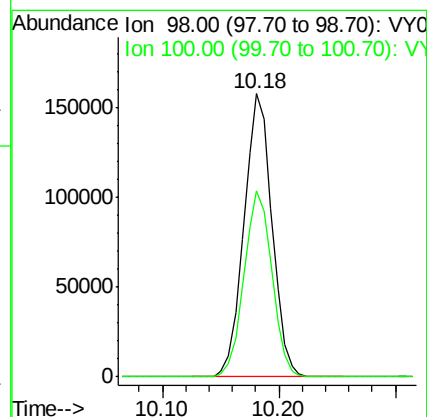
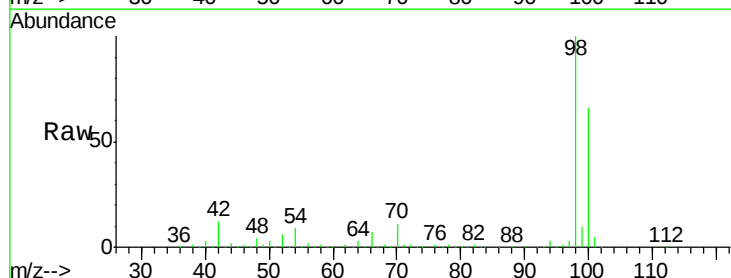
Acq: 10 Mar 2020 16:04

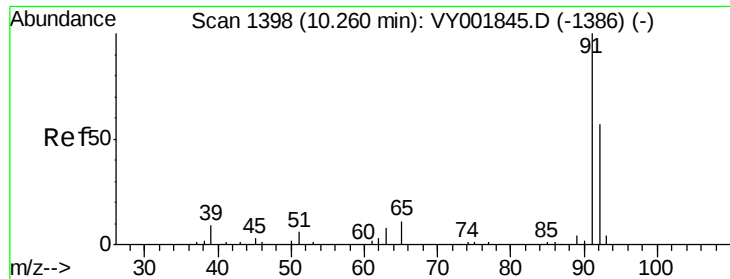
Tgt Ion: 98 Resp: 264295

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4





#52

Toluene

Concen: 1.042 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001924.D

Acq: 10 Mar 2020 16:04

Instrument :

MSVOA\_Y

ClientSampled :

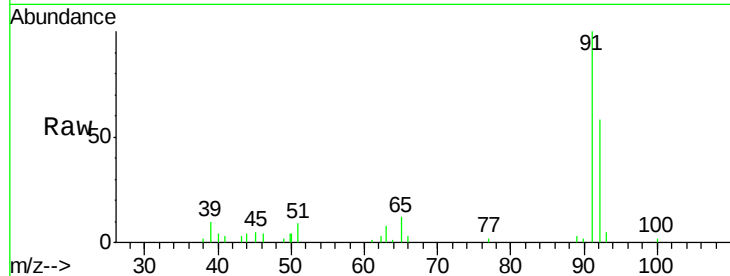
TP-7-(9-10)

Tot Ion: 92 Resp: 3987

Ion Ratio Lower Upper

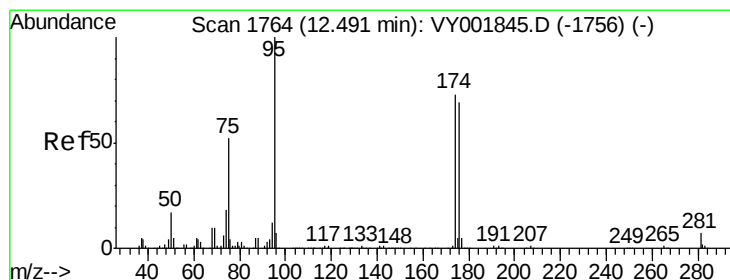
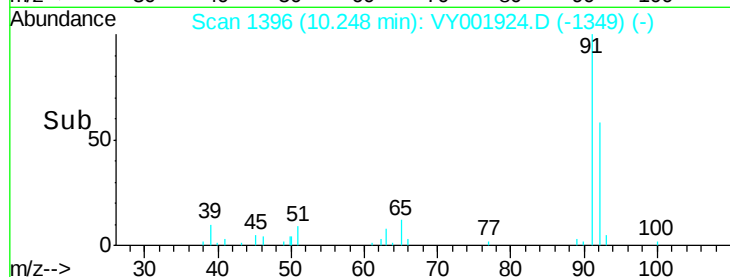
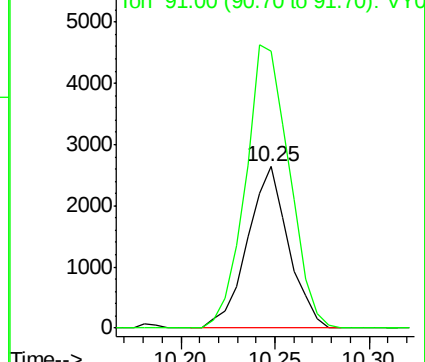
92 100

91 186.4 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY001924.D (-1349) (-)

Ion 91.00 (90.70 to 91.70): VY001924.D (-1349) (-)



#62

4-Bromofluorobenzene

Concen: 48.308 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001924.D

Acq: 10 Mar 2020 16:04

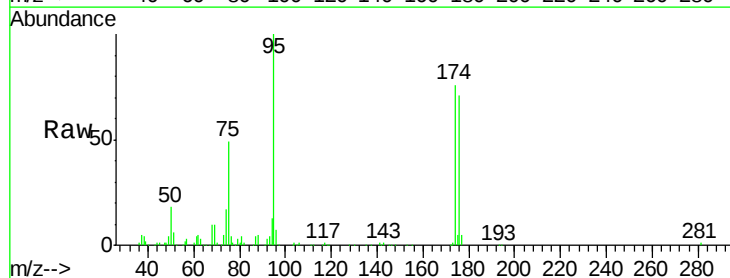
Tgt Ion: 95 Resp: 85447

Ion Ratio Lower Upper

95 100

174 72.9 0.0 145.0

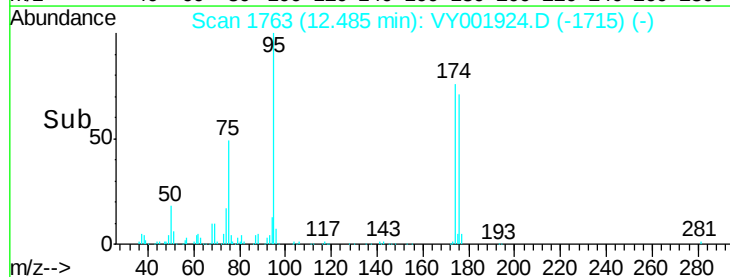
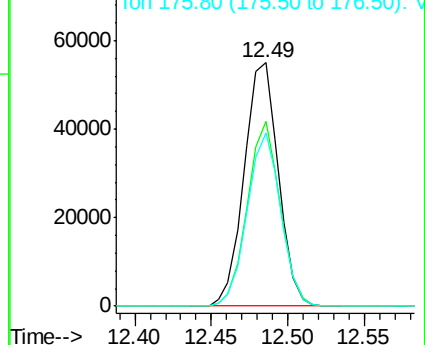
176 69.5 0.0 137.4

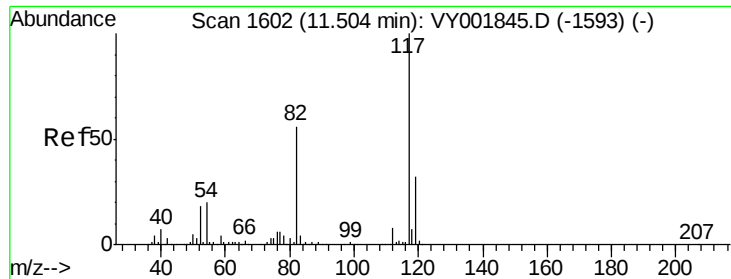


Abundance Ion 94.90 (94.60 to 95.60): VY001924.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY001924.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY001924.D (-1715) (-)

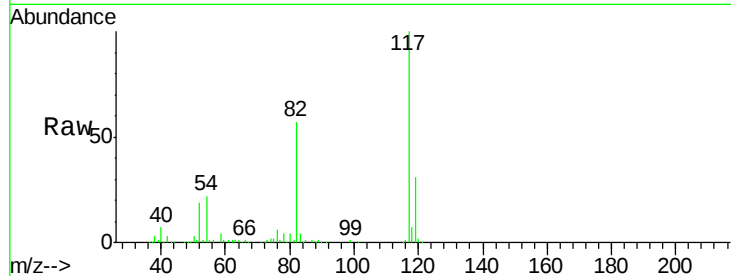




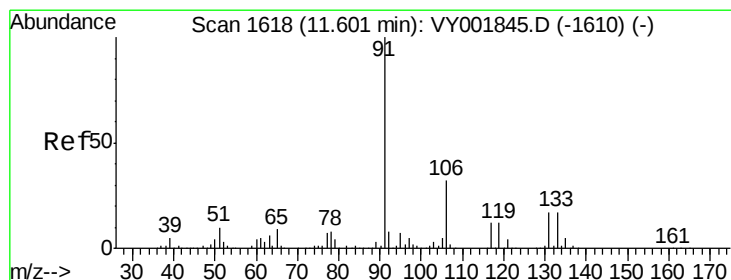
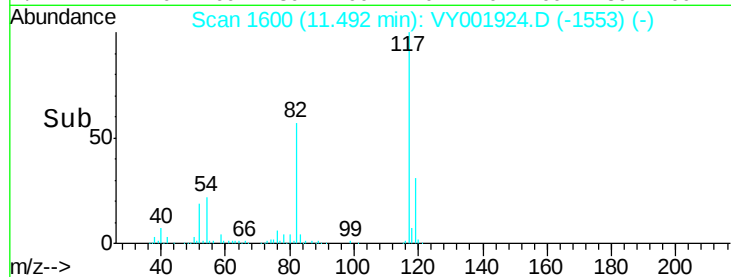
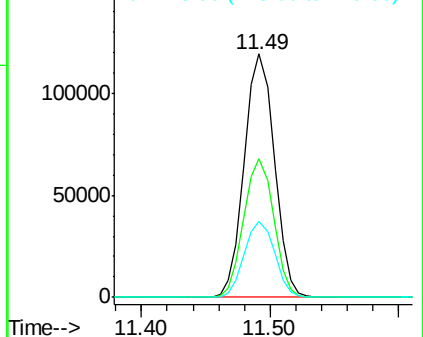
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY001924.D  
Acq: 10 Mar 2020 16:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-7-(9-10)

Tot Ion:117 Resp: 192753  
Ion Ratio Lower Upper  
117 100  
82 57.0 44.5 66.7  
119 31.3 25.7 38.5

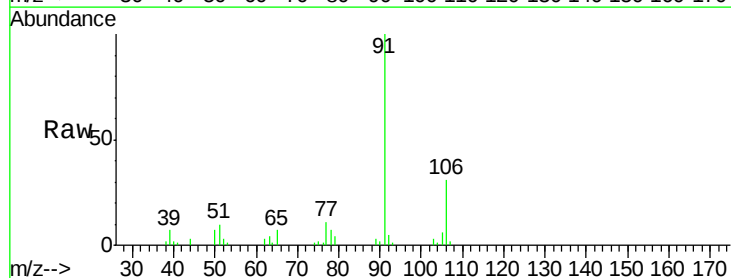


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V

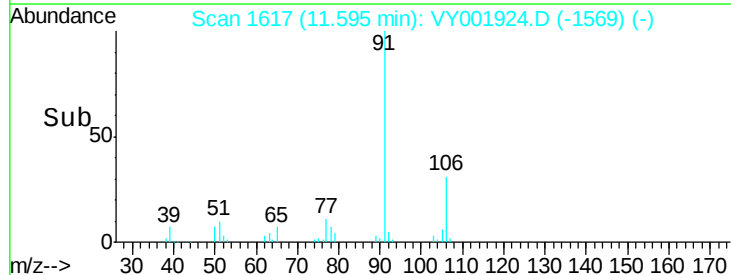
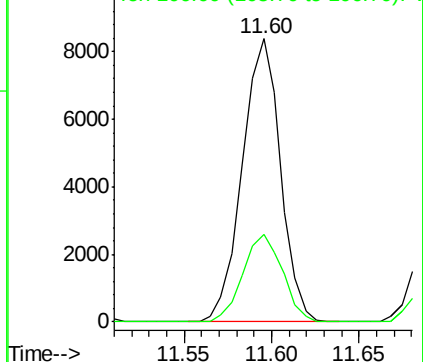


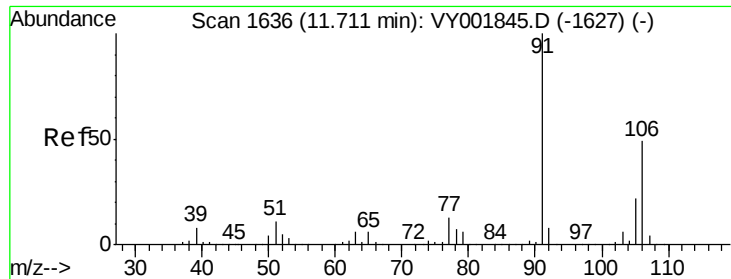
#67  
Ethyl Benzene  
Concen: 1.783 ug/l  
RT: 11.60 min Scan# 1617  
Delta R.T. -0.01 min  
Lab File: VY001924.D  
Acq: 10 Mar 2020 16:04

Tgt Ion: 91 Resp: 12774  
Ion Ratio Lower Upper  
91 100  
106 31.1 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VY0  
Ion 106.00 (105.70 to 106.70): V

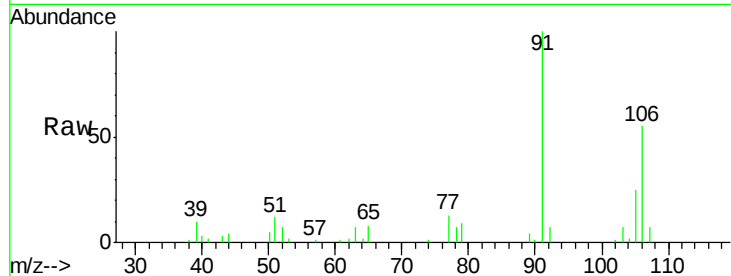




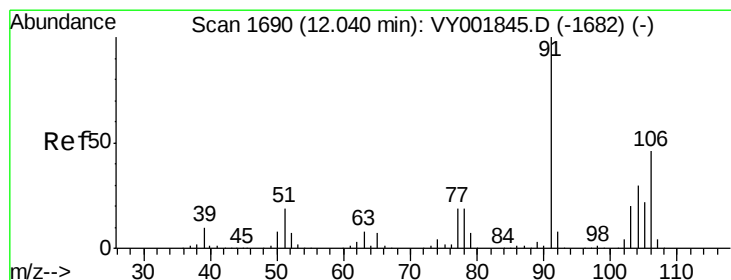
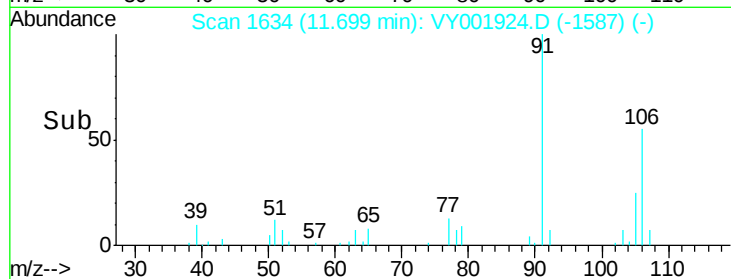
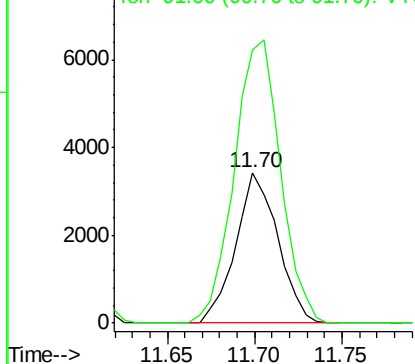
#68  
m/p-Xvlenes  
Concen: 2.161 ug/l  
RT: 11.70 min Scan# 1634  
Delta R.T. -0.01 min  
Lab File: VY001924.D  
Acq: 10 Mar 2020 16:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-7-(9-10)

Tot Ion:106 Resp: 5722  
Ion Ratio Lower Upper  
106 100  
91 207.3 161.3 241.9

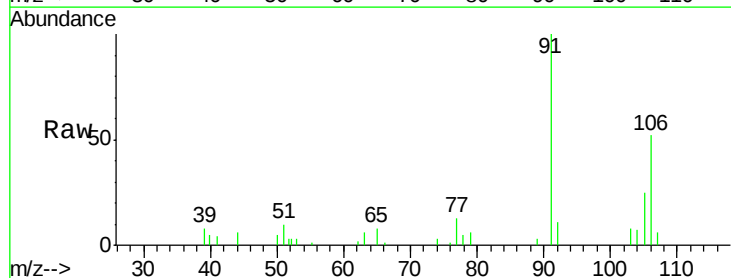


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VY0

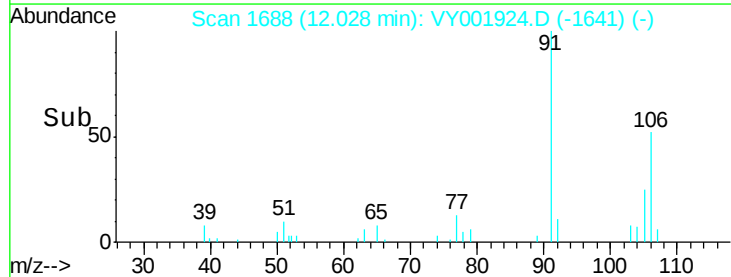
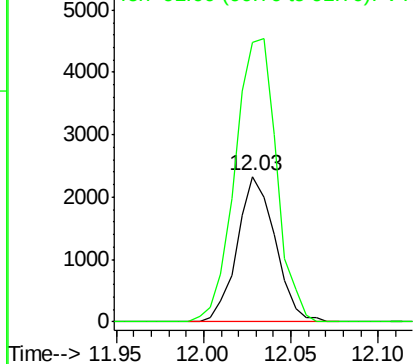


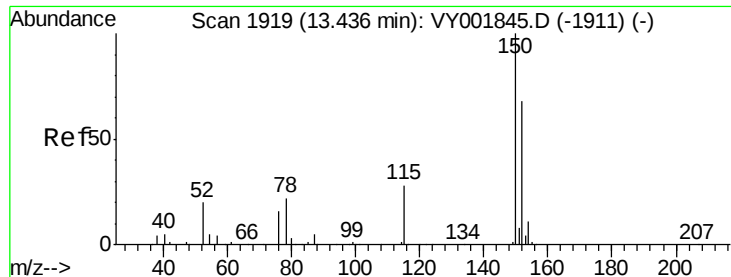
#69  
o-Xylene  
Concen: 1.415 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. -0.01 min  
Lab File: VY001924.D  
Acq: 10 Mar 2020 16:04

Tgt Ion:106 Resp: 3531  
Ion Ratio Lower Upper  
106 100  
91 211.9 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VY0



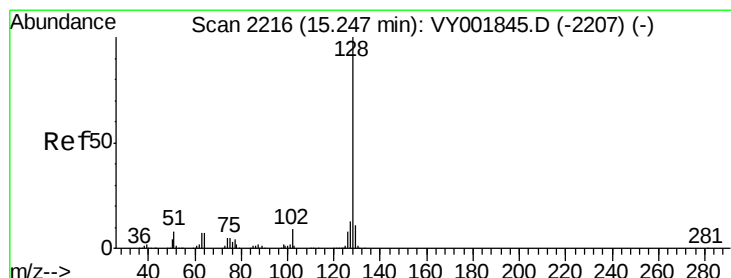
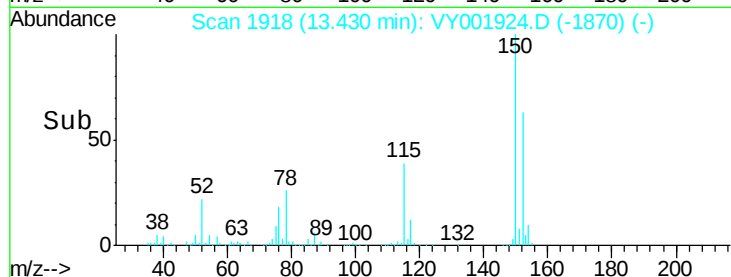
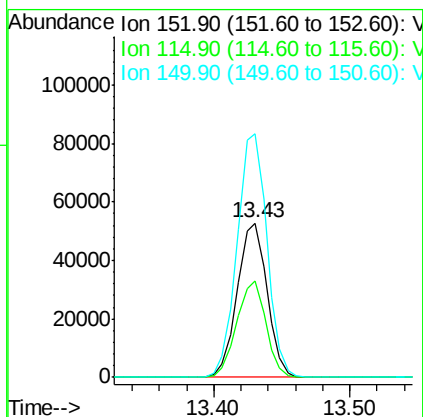
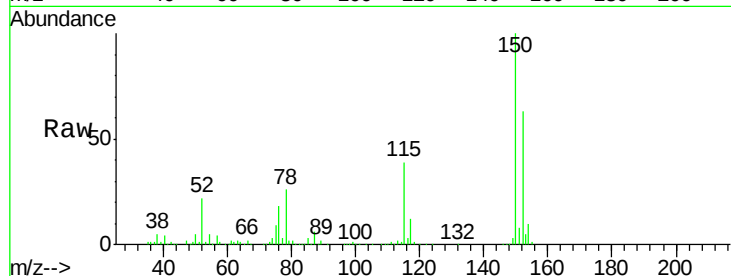


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. -0.01 min  
Lab File: VY001924.D  
Acq: 10 Mar 2020 16:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-7-(9-10)

Tot Ion:152 Resp: 80905  
Ion Ratio Lower Upper  
152 100  
115 60.9 29.9 89.7  
150 157.5 0.0 340.6



#95

Naphthalene  
Concen: 1.436 ug/l  
RT: 15.24 min Scan# 2215  
Delta R.T. -0.01 min  
Lab File: VY001924.D  
Acq: 10 Mar 2020 16:04

Tgt Ion:128 Resp: 5145  
Ion Ratio Lower Upper  
128 100  
127 13.6 10.1 15.1  
129 12.7 8.6 13.0

