

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\  
 Data File : VY002766.D  
 Acq On : 27 May 2020 16:02  
 Operator : SY/MD  
 Sample : L2776-01  
 Misc : 5.56G/5ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 351

Quant Time: May 28 09:03:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y052720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 13:13:33 2020  
 Response via : Initial Calibration

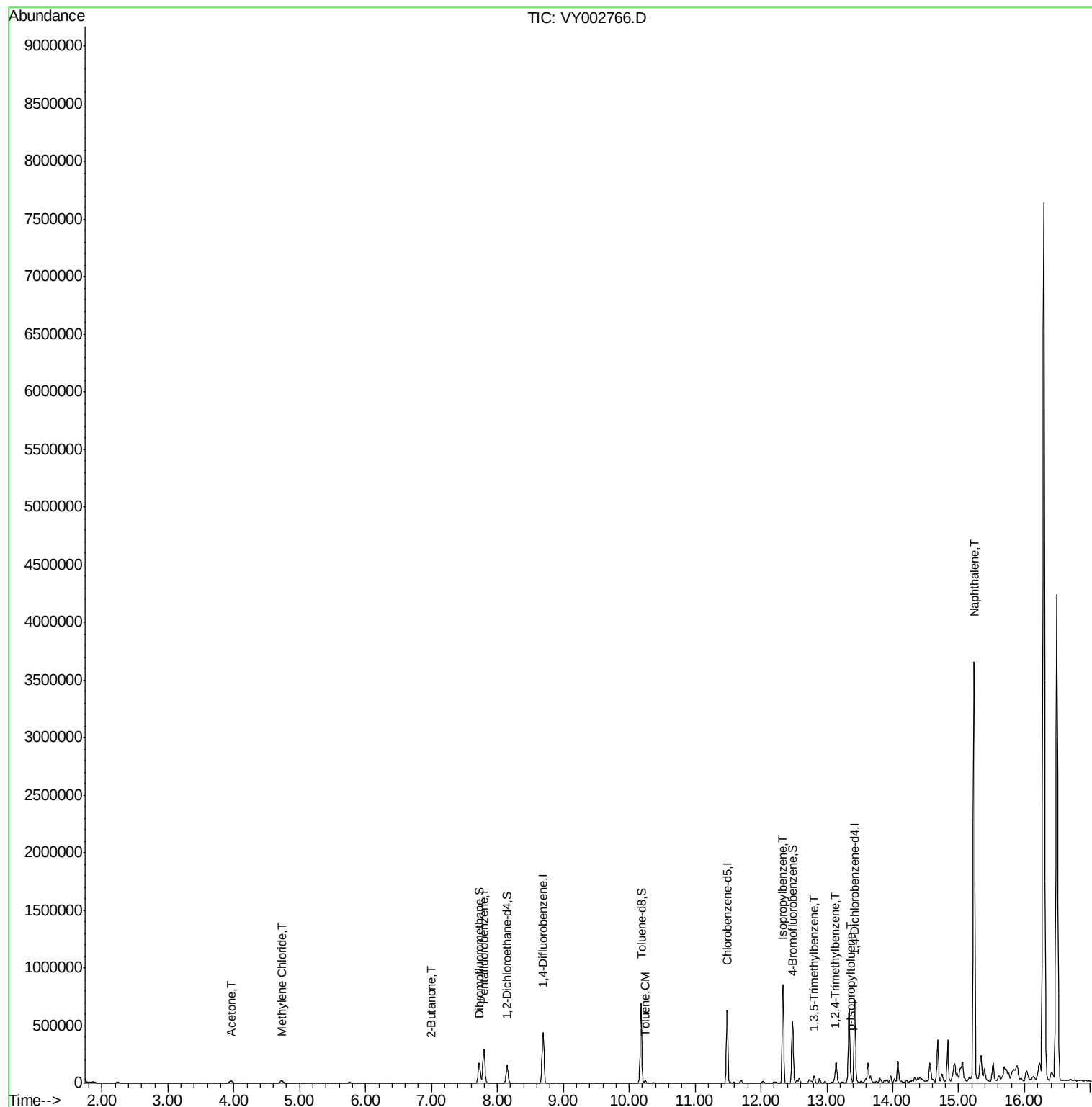
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 251750   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 399650   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 371707   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 195785   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.14  | 65   | 123313   | 56.41   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 112.82% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 120817   | 51.58   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 103.16% |          |
| 50) Toluene-d8              | 10.18 | 98   | 474987   | 50.16   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 100.32% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 163156   | 50.41   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 100.82% |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 3.95  | 43   | 36391    | 70.998  | ug/l    | 97       |
| 20) Methylene Chloride      | 4.73  | 84   | 16830    | 6.719   | ug/l    | 93       |
| 25) 2-Butanone              | 7.00  | 43   | 5218     | 6.534   | ug/l    | 99       |
| 52) Toluene                 | 10.25 | 92   | 8762     | 1.346   | ug/l    | 97       |
| 73) Isopropylbenzene        | 12.33 | 105  | 42031    | 3.350   | ug/l #  | 63       |
| 80) 1,3,5-Trimethylbenzene  | 12.81 | 105  | 20582    | 1.965   | ug/l    | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.12 | 105  | 31186    | 2.961   | ug/l    | 84       |
| 86) p-Isopropyltoluene      | 13.37 | 119  | 29950    | 2.519   | ug/l #  | 78       |
| 95) Naphthalene             | 15.23 | 128  | 3079482  | 363.075 | ug/l    | 100      |

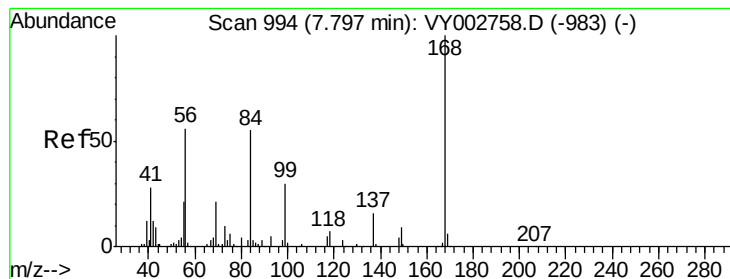
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052720\  
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MSVOA\_Y  
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QLast Update : Wed May 27 13:13:33 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: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA\_Y

ClientSampleId :

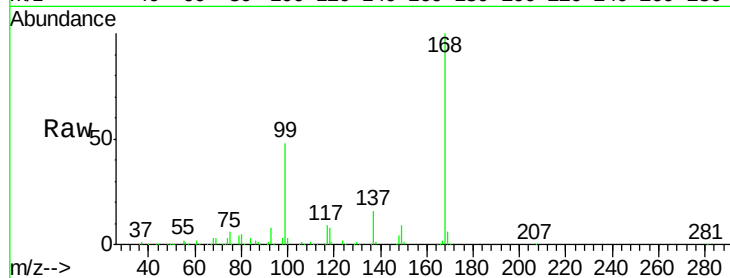
351

Tot Ion:168 Resp: 251750

Ion Ratio Lower Upper

168 100

99 47.6 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

7.80

120000

100000

80000

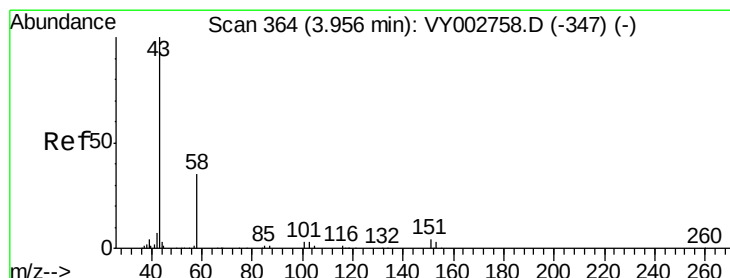
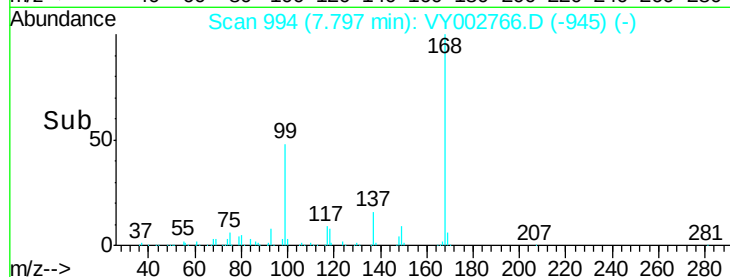
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 70.998 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY002766.D

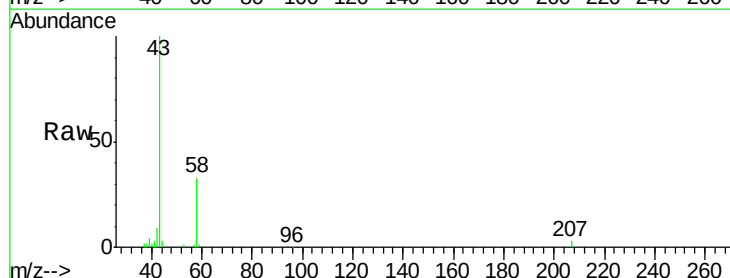
Acq: 27 May 2020 16:02

Tgt Ion: 43 Resp: 36391

Ion Ratio Lower Upper

43 100

58 32.6 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY002758.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002758.D (-347) (-)

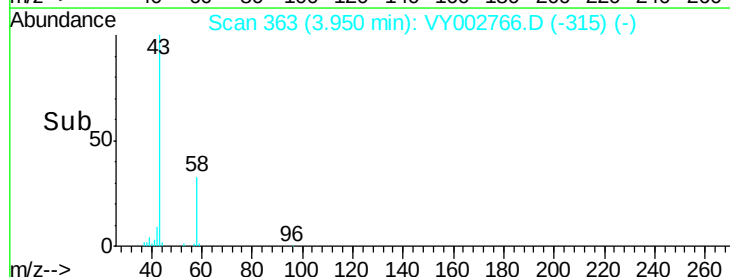
3.95

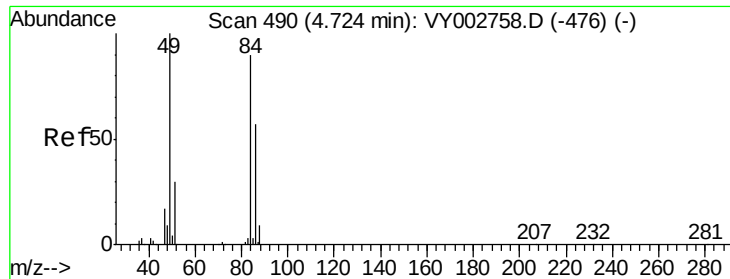
10000

5000

0

Time-->

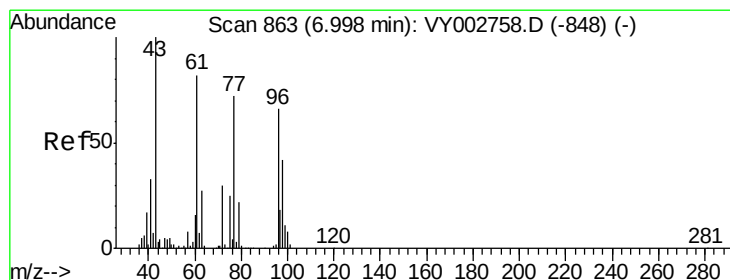
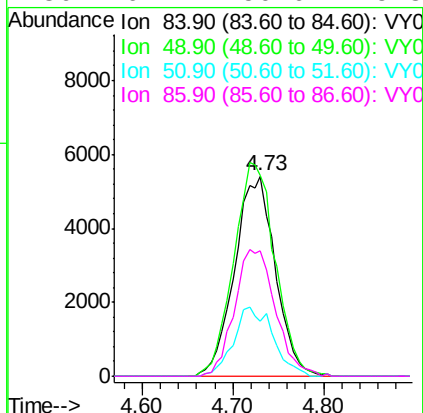
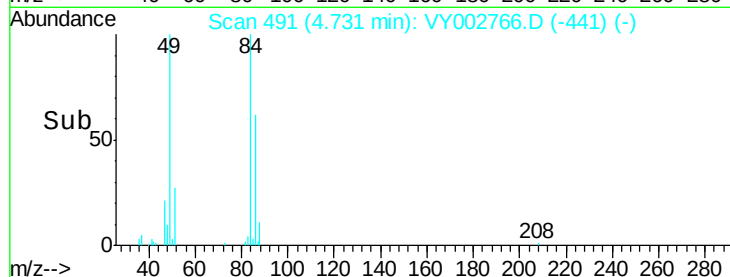
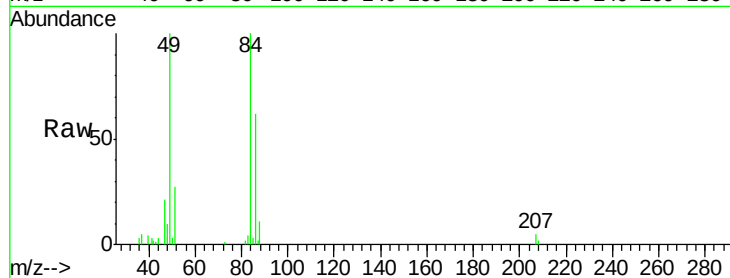




#20  
Methylene Chloride  
Concen: 6.719 ug/l  
RT: 4.73 min Scan# 491  
Delta R.T. 0.01 min  
Lab File: VY002766.D  
Acq: 27 May 2020 16:02

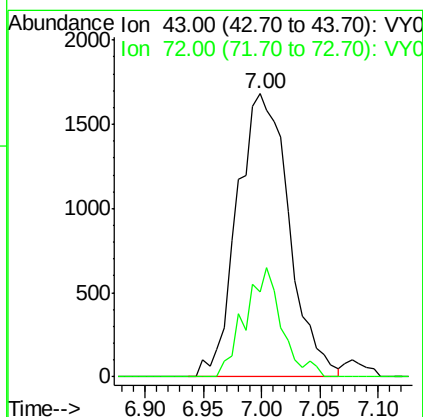
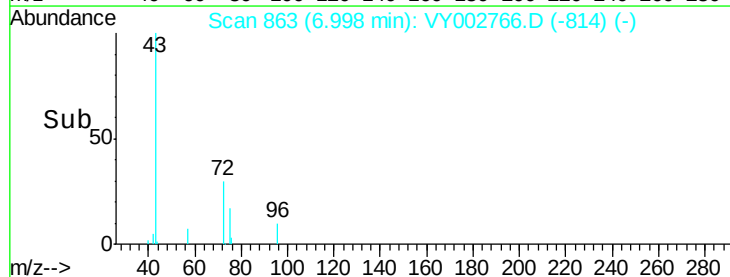
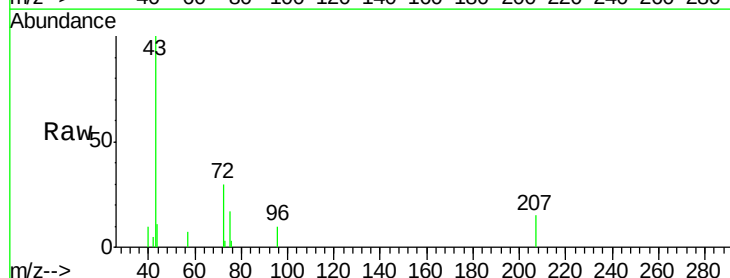
Instrument :  
MSVOA\_Y  
ClientSampled :  
351

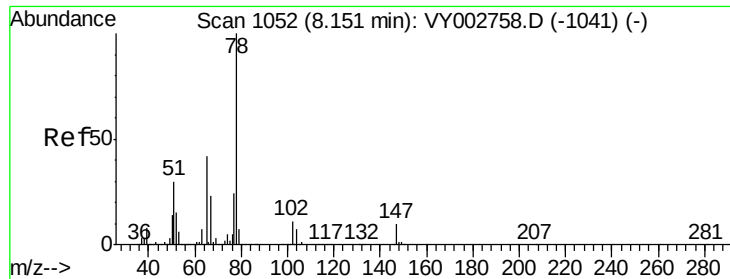
Tot Ion: 84 Resp: 16830  
Ion Ratio Lower Upper  
84 100  
49 100.4 88.5 132.7  
51 27.4 26.8 40.2  
86 62.7 50.6 75.8



#25  
2-Butanone  
Concen: 6.534 ug/l  
RT: 7.00 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VY002766.D  
Acq: 27 May 2020 16:02

Tgt Ion: 43 Resp: 5218  
Ion Ratio Lower Upper  
43 100  
72 30.2 23.9 35.9

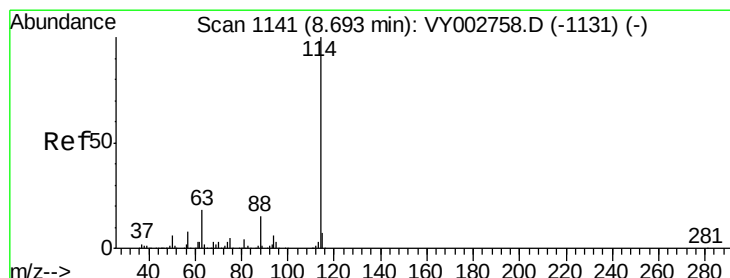
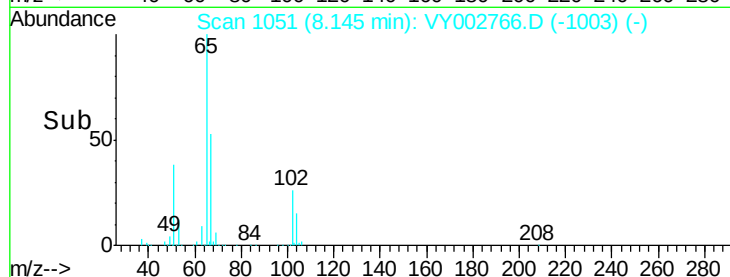
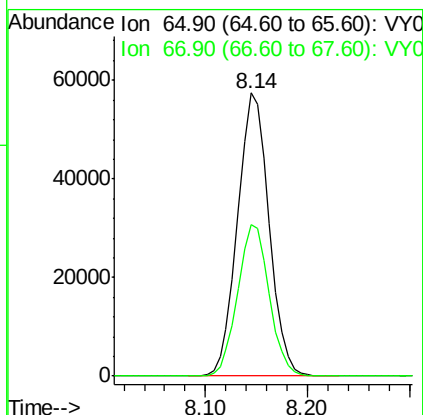
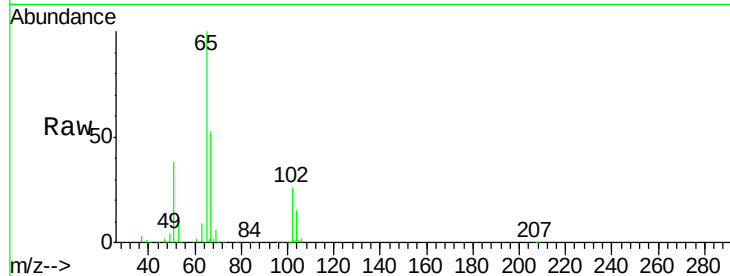




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.413 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. -0.01 min  
 Lab File: VY002766.D  
 Acq: 27 May 2020 16:02

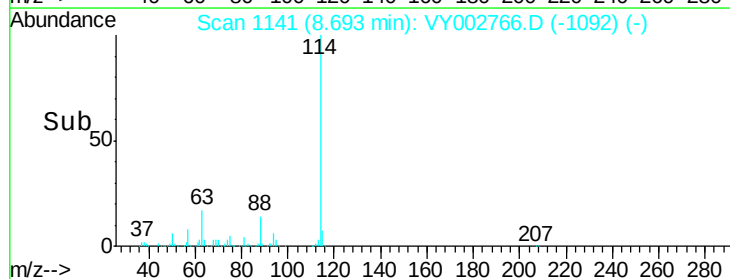
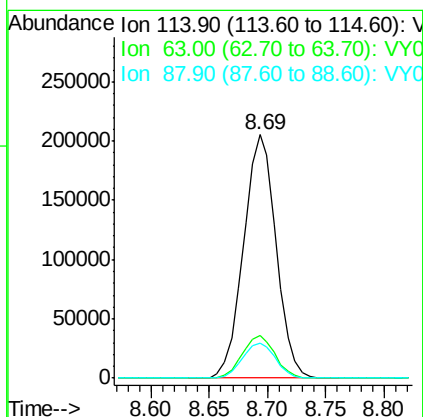
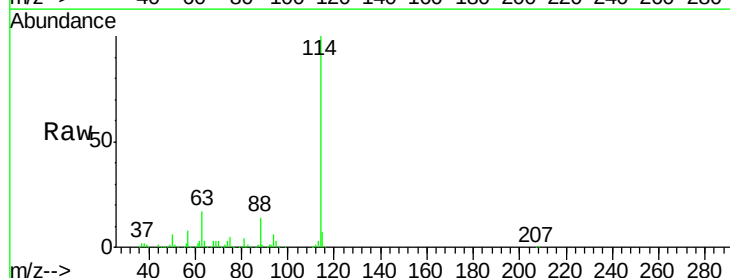
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 351

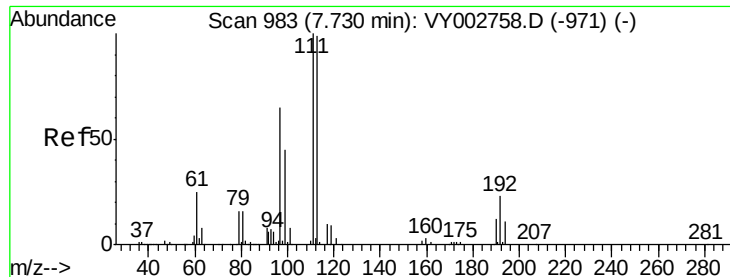
Tot Ion: 65 Resp: 123313  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY002766.D  
 Acq: 27 May 2020 16:02

Tgt Ion: 114 Resp: 399650  
 Ion Ratio Lower Upper  
 114 100  
 63 17.5 0.0 35.2  
 88 14.5 0.0 29.2





#35

Dibromofluoromethane

Concen: 51.584 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA\_Y

ClientSampleId :

351

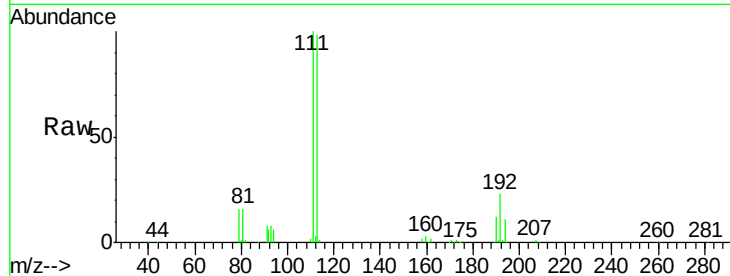
Tot Ion:113 Resp: 120817

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

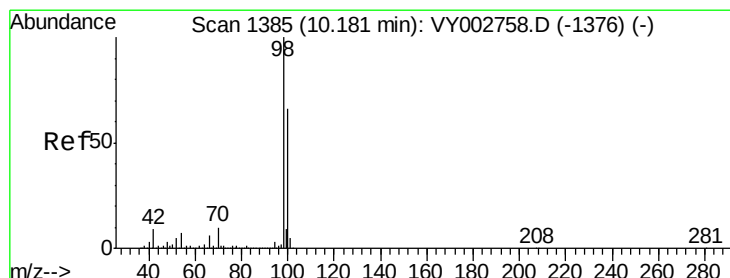
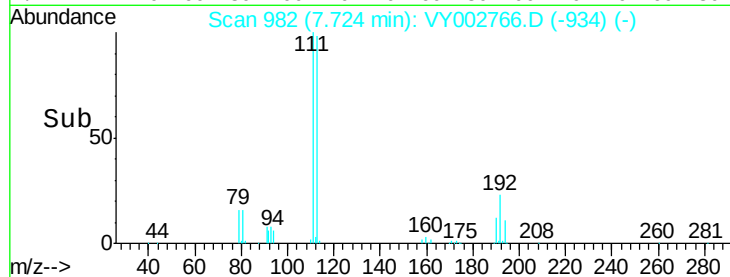
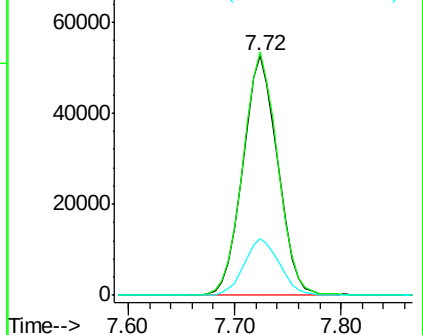
192 24.0 18.9 28.3



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: 50.157 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002766.D

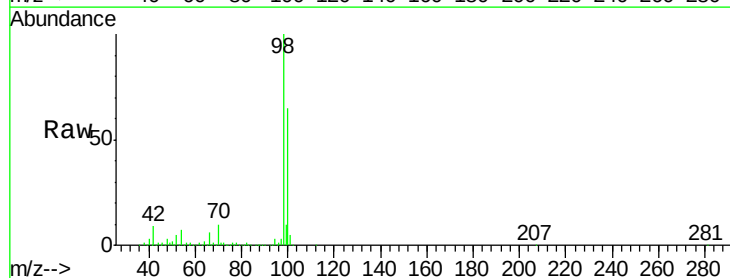
Acq: 27 May 2020 16:02

Tgt Ion: 98 Resp: 474987

Ion Ratio Lower Upper

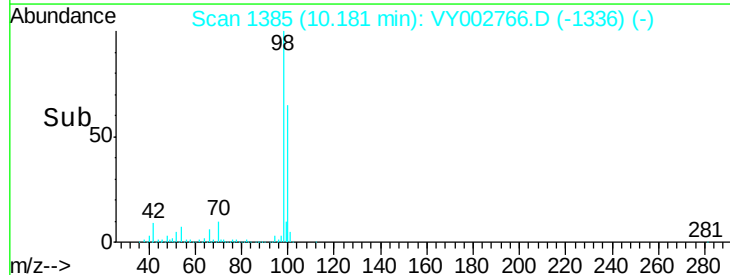
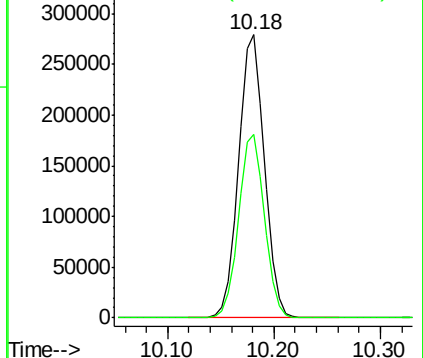
98 100

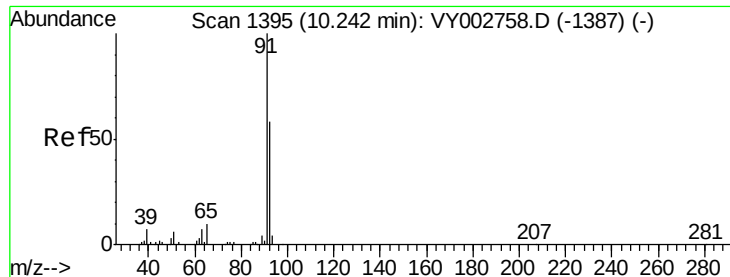
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#52

Toluene

Concen: 1.346 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA\_Y

ClientSampleId :

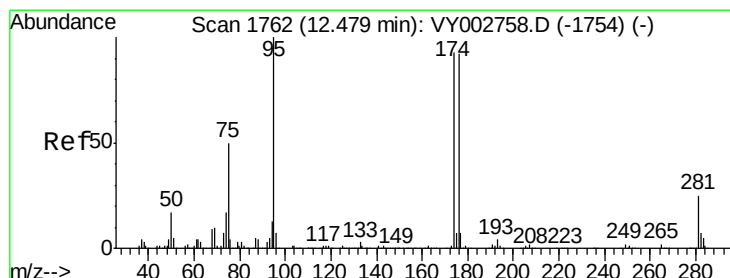
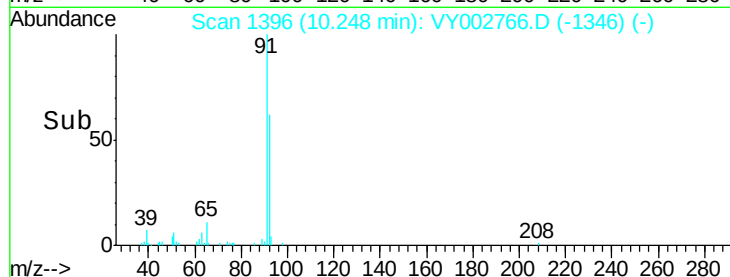
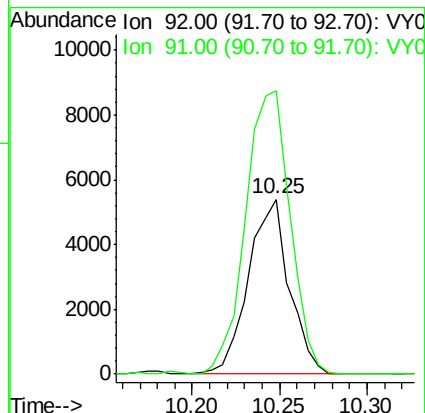
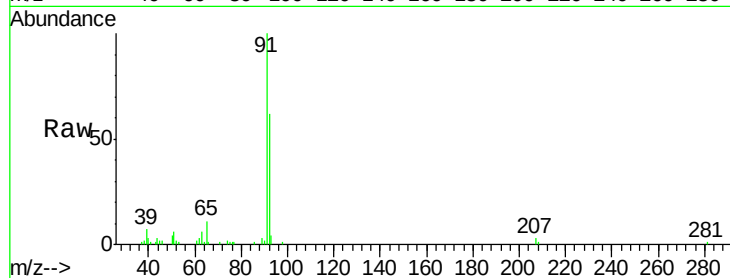
351

Tot Ion: 92 Resp: 8762

Ion Ratio Lower Upper

92 100

91 177.1 138.5 207.7



#62

4-Bromofluorobenzene

Concen: 50.413 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

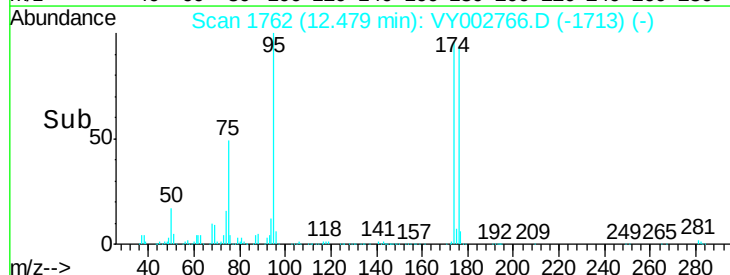
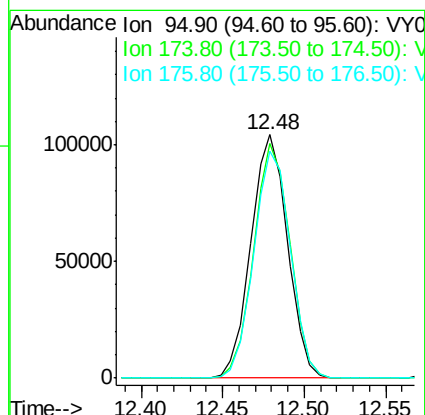
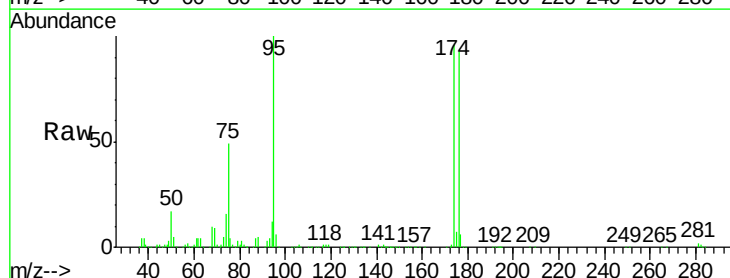
Tgt Ion: 95 Resp: 163156

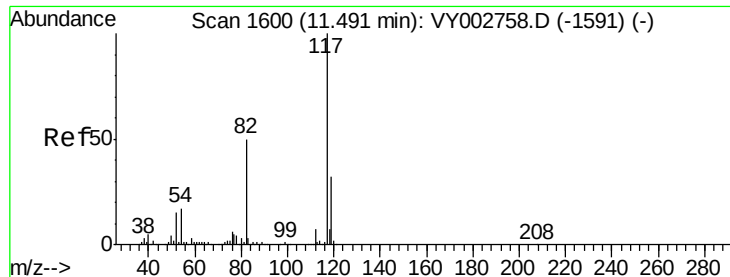
Ion Ratio Lower Upper

95 100

174 95.5 0.0 191.2

176 93.5 0.0 188.8

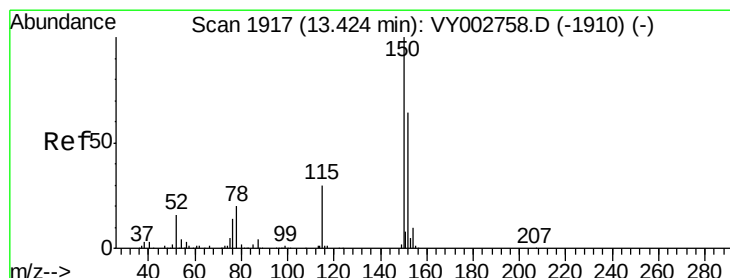
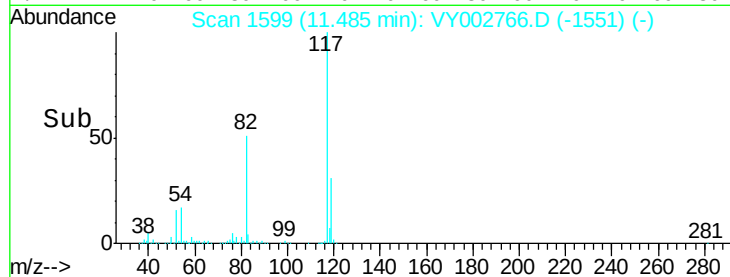
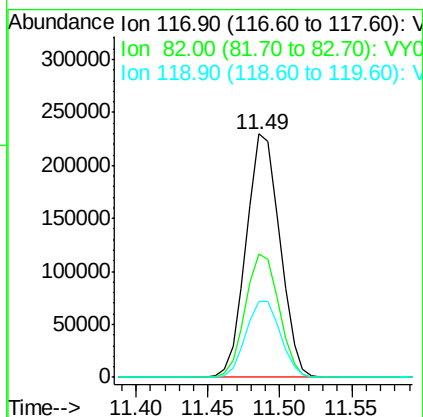
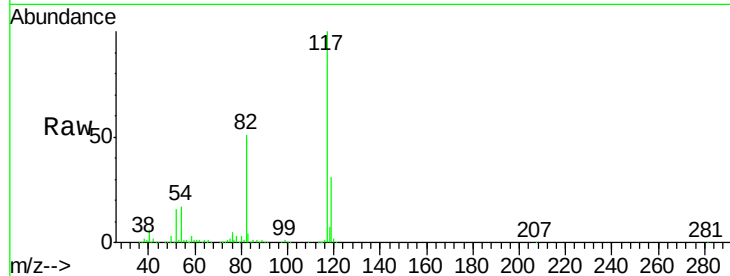




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY002766.D  
Acq: 27 May 2020 16:02

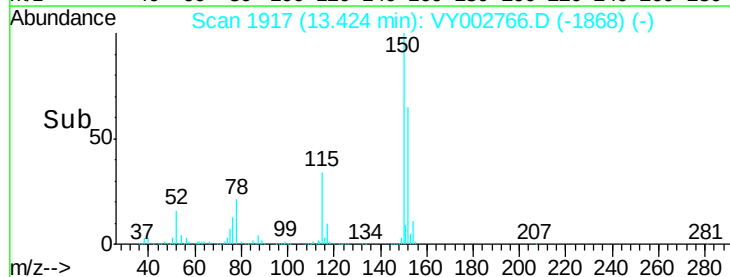
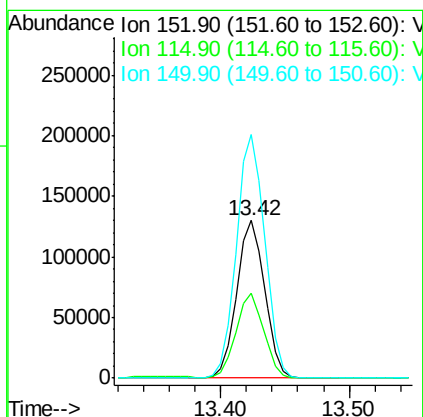
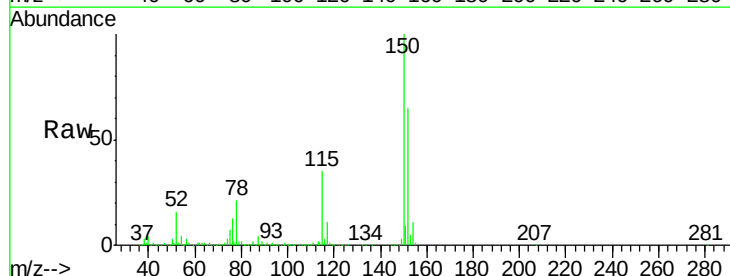
Instrument :  
MSVOA\_Y  
ClientSampled :  
351

Tot Ion:117 Resp: 371707  
Ion Ratio Lower Upper  
117 100  
82 50.5 40.2 60.4  
119 31.3 25.8 38.8

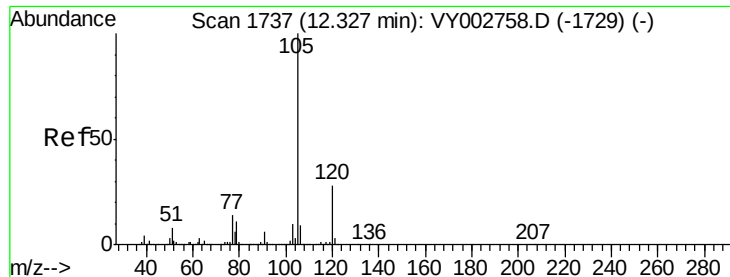


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY002766.D  
Acq: 27 May 2020 16:02

Tgt Ion:152 Resp: 195785  
Ion Ratio Lower Upper  
152 100  
115 52.9 27.0 81.0  
150 156.8 0.0 344.8







#73

Isopropylbenzene

Concen: 3.350 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA\_Y

ClientSampled :

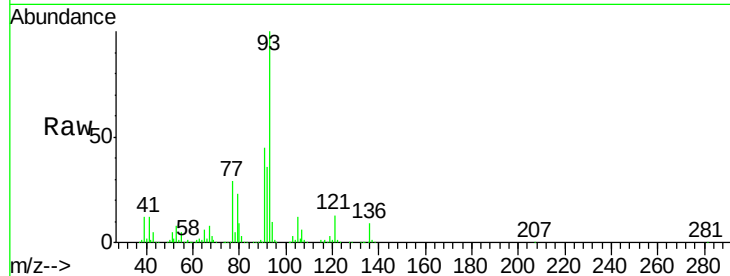
351

Tot Ion:105 Resp: 42031

Ion Ratio Lower Upper

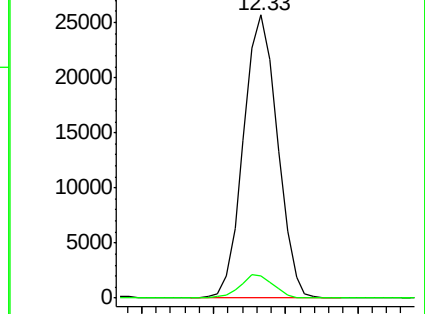
105 100

120 8.0 13.7 41.1#

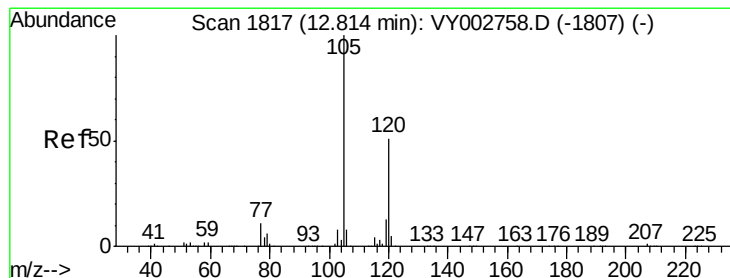
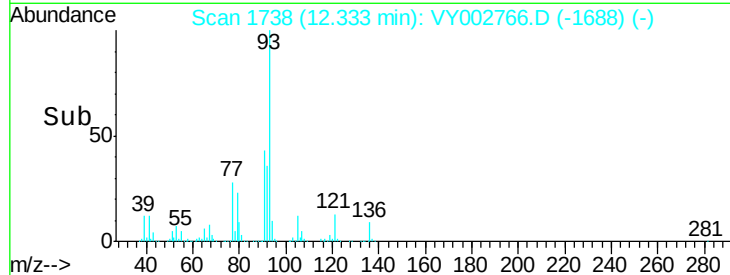


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.965 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002766.D

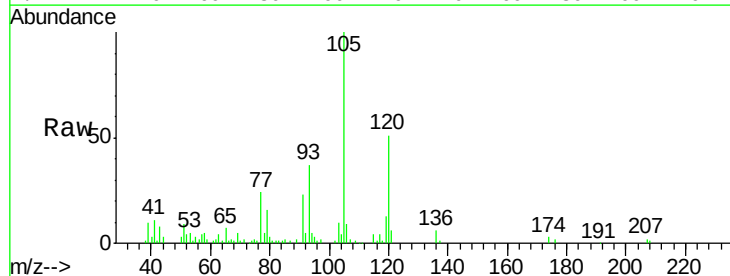
Acq: 27 May 2020 16:02

Tgt Ion:105 Resp: 20582

Ion Ratio Lower Upper

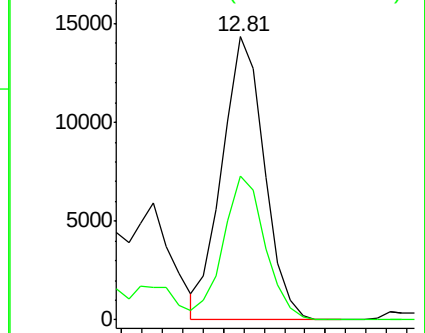
105 100

120 50.0 25.3 75.8

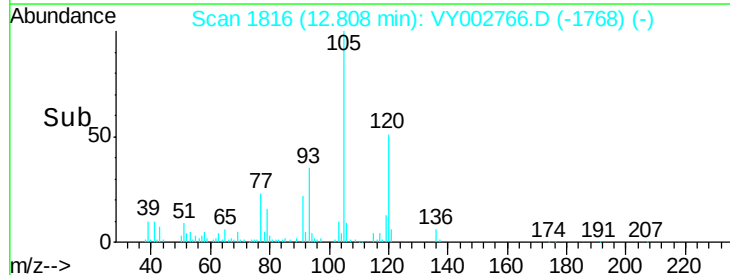


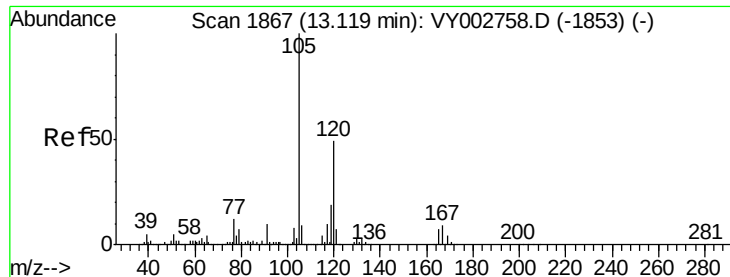
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#84

1,2,4-Trimethylbenzene

Concen: 2.961 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA\_Y

ClientSampleId :

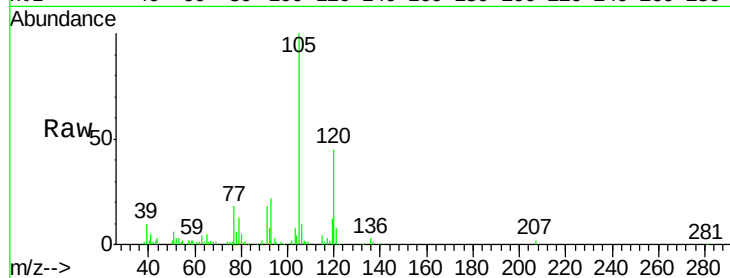
351

Tot Ion:105 Resp: 31186

Ion Ratio Lower Upper

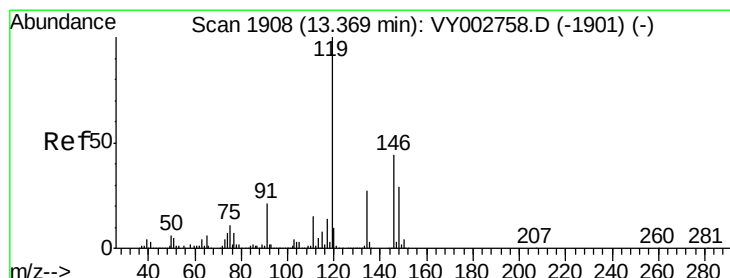
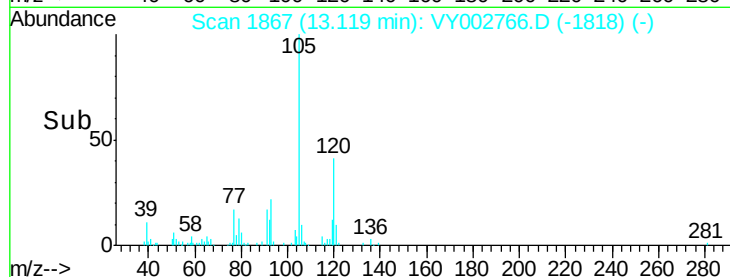
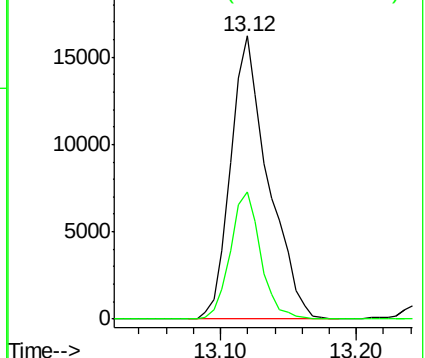
105 100

120 36.2 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 2.519 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

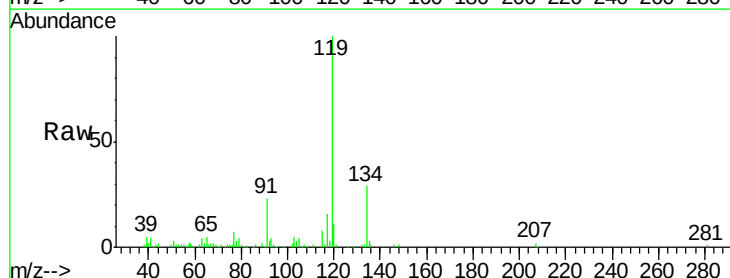
Tgt Ion:119 Resp: 29950

Ion Ratio Lower Upper

119 100

134 28.8 13.7 41.0

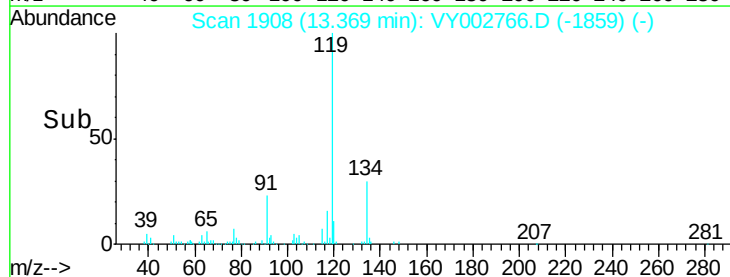
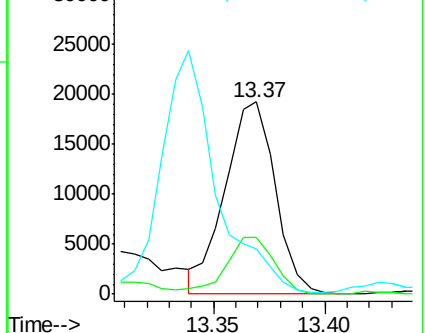
91 0.0 10.8 32.4#

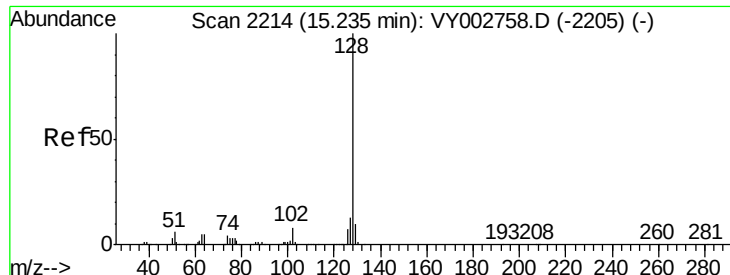


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

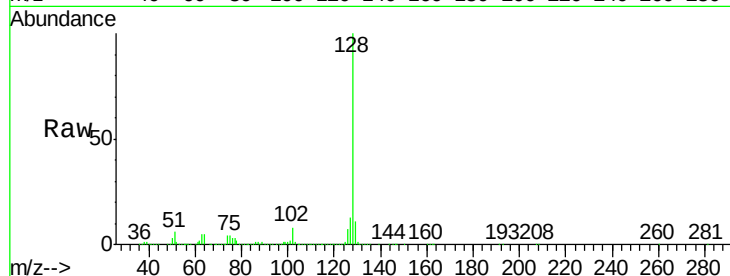




#95  
Naphthalene  
Concen: 363.075 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: VY002766.D  
Acq: 27 May 2020 16:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
351

Tot Ion:128 Resp: 3079482  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.3 15.5  
129 11.0 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

