

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\  
 Data File : VY002586.D  
 Acq On : 05 May 2020 15:06  
 Operator : SY/MD  
 Sample : L2457-02RE  
 Misc : 5.04G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 1340RE

Quant Time: May 06 07:27:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 04 12:22:08 2020  
 Response via : Initial Calibration

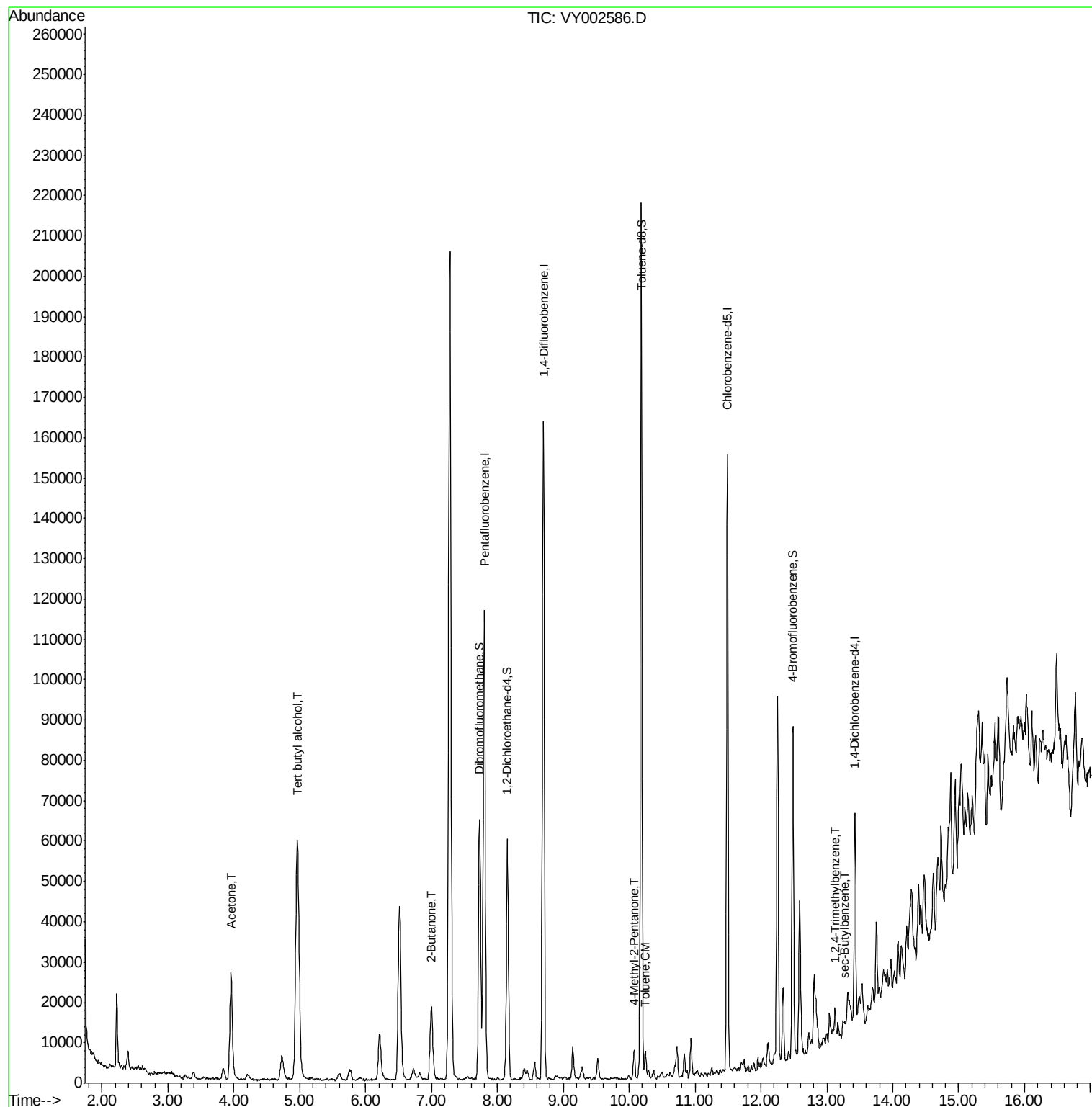
| Internal Standards          | R.T.  | QIon | Response | Conc     | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|----------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 96629    | 50.00    | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 146143   | 50.00    | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 88581    | 50.00    | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 14975    | 50.00    | ug/l    | -0.01    |
| System Monitoring Compounds |       |      |          |          |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 43627    | 53.70    | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =        | 107.40% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 45729    | 54.71    | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =        | 109.42% |          |
| 50) Toluene-d8              | 10.18 | 98   | 146293   | 44.82    | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =        | 89.64%  |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 25377    | 22.91    | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =        | 45.82%  |          |
| Target Compounds            |       |      |          |          |         |          |
| 11) Tert butyl alcohol      | 4.97  | 59   | 130757   | 1564.273 | ug/l    | 99       |
| 16) Acetone                 | 3.96  | 43   | 42684    | 254.561  | ug/l    | 100      |
| 25) 2-Butanone              | 7.00  | 43   | 20913    | 76.192   | ug/l    | 98       |
| 51) 4-Methyl-2-Pentanone    | 10.08 | 43   | 5045     | 8.293    | ug/l    | 100      |
| 52) Toluene                 | 10.25 | 92   | 2846     | 1.252    | ug/l    | 93       |
| 84) 1,2,4-Trimethylbenzene  | 13.12 | 105  | 2982     | 3.719    | ug/l    | 90       |
| 85) sec-Butylbenzene        | 13.25 | 105  | 2066     | 2.111    | ug/l    | 99       |

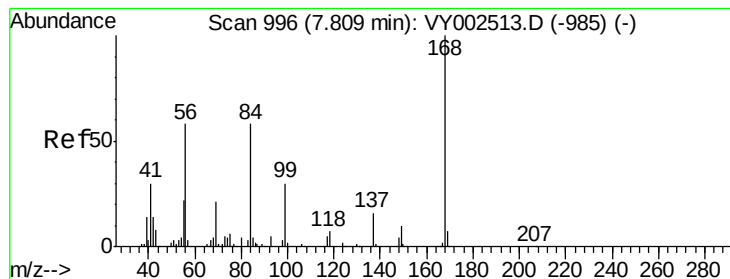
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon May 04 12:22:08 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: VY002586.D

Acq: 05 May 2020 15:06

Instrument :

MSVOA\_Y

ClientSampleId :

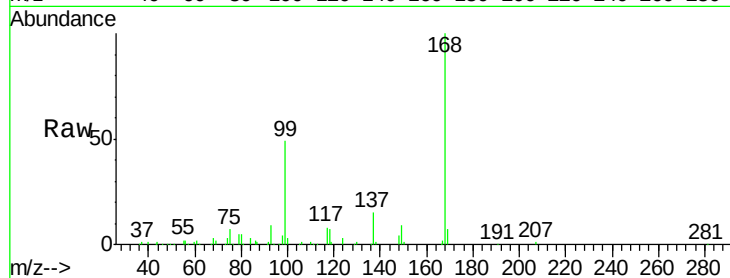
1340RE

Tot Ion:168 Resp: 96629

Ion Ratio Lower Upper

168 100

99 48.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

40000

30000

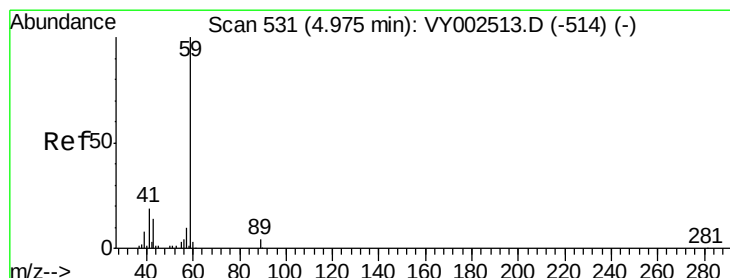
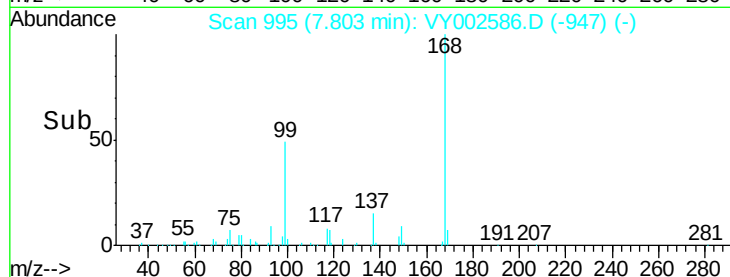
20000

10000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 1564.273 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002586.D

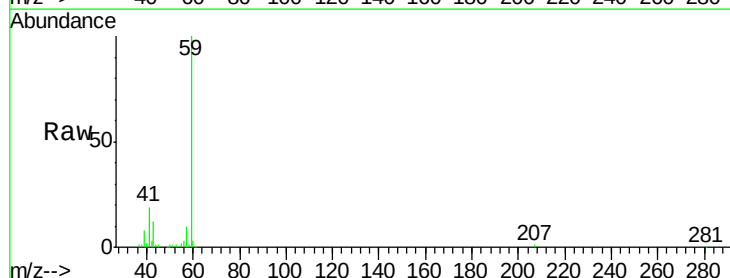
Acq: 05 May 2020 15:06

Tgt Ion: 59 Resp: 130757

Ion Ratio Lower Upper

59 100

57 10.1 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VY002513.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002513.D (-514) (-)

4.97

40000

30000

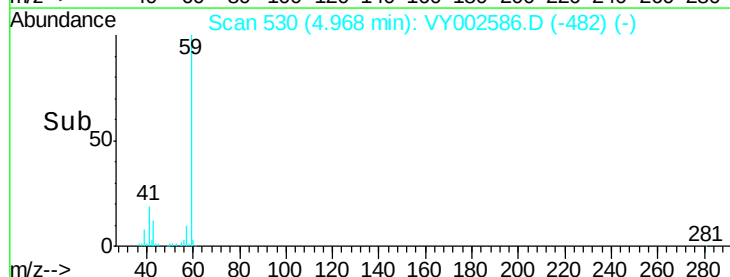
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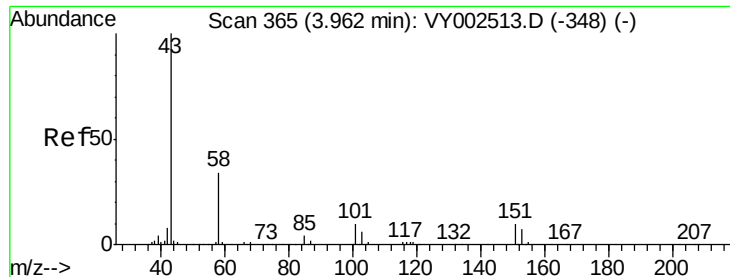
10000

0

4.80 4.90 5.00 5.10 5.20

Time-->

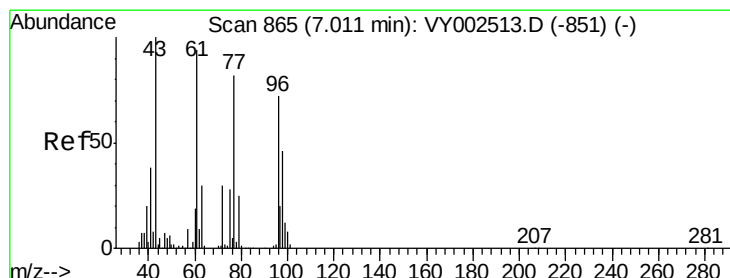
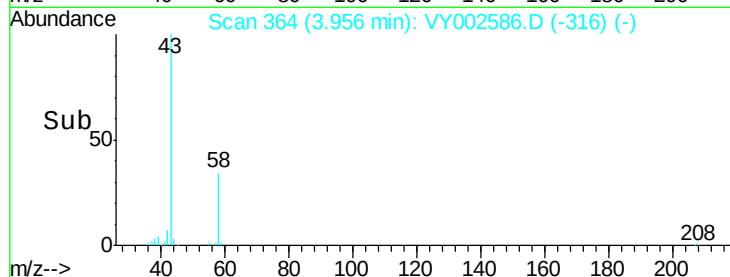
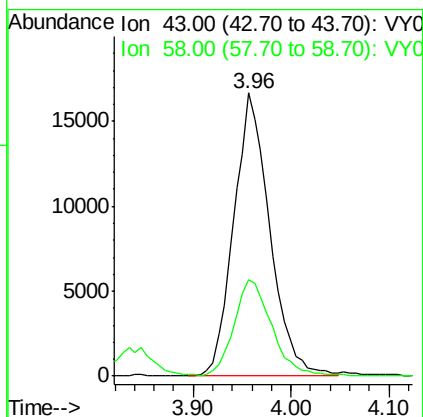
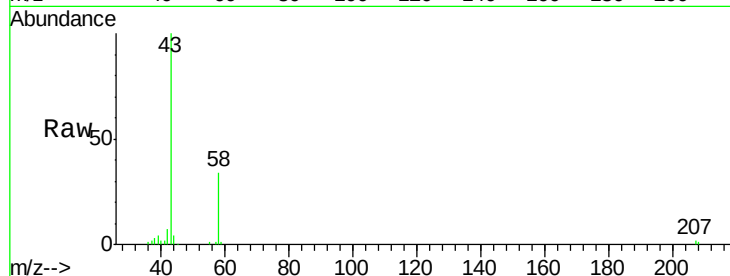




#16  
Acetone  
Concen: 254.561 ug/l  
RT: 3.96 min Scan# 364  
Delta R.T. -0.01 min  
Lab File: VY002586.D  
Acq: 05 May 2020 15:06

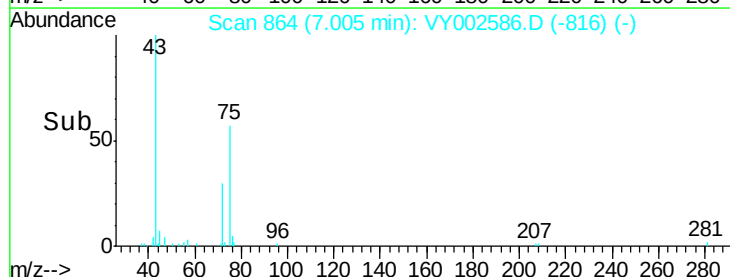
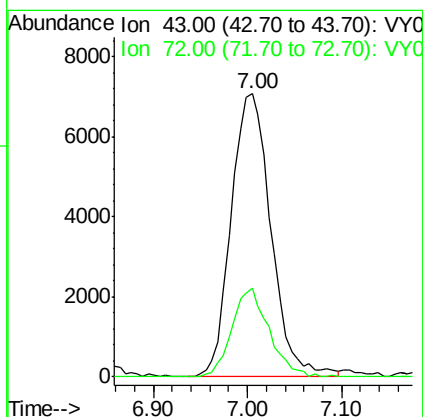
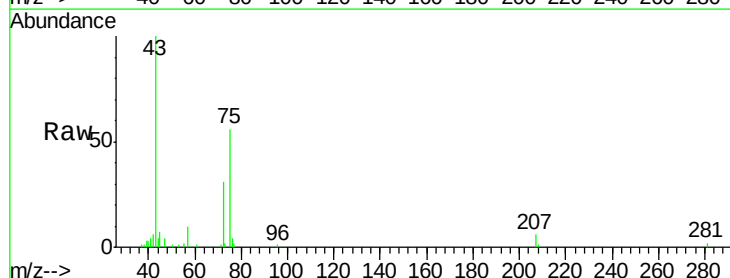
Instrument :  
MSVOA\_Y  
ClientSampled :  
1340RE

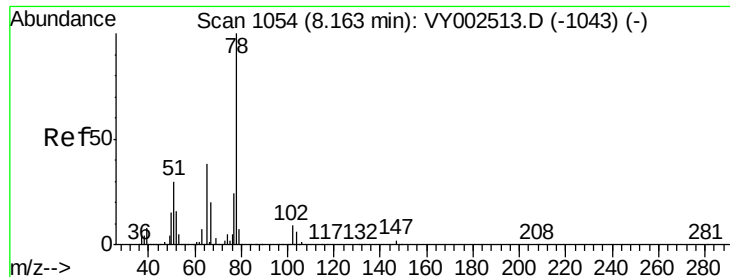
Tot Ion: 43 Resp: 42684  
Ion Ratio Lower Upper  
43 100  
58 33.5 26.9 40.3



#25  
2-Butanone  
Concen: 76.192 ug/l  
RT: 7.00 min Scan# 864  
Delta R.T. -0.01 min  
Lab File: VY002586.D  
Acq: 05 May 2020 15:06

Tgt Ion: 43 Resp: 20913  
Ion Ratio Lower Upper  
43 100  
72 31.4 24.1 36.1

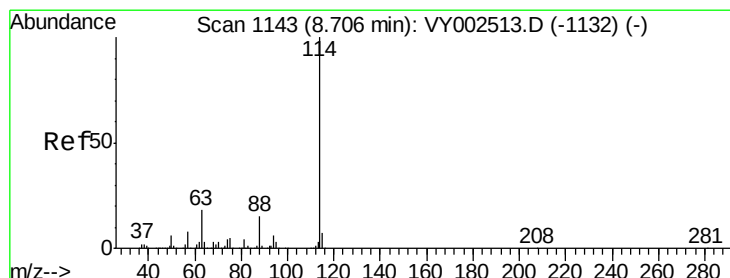
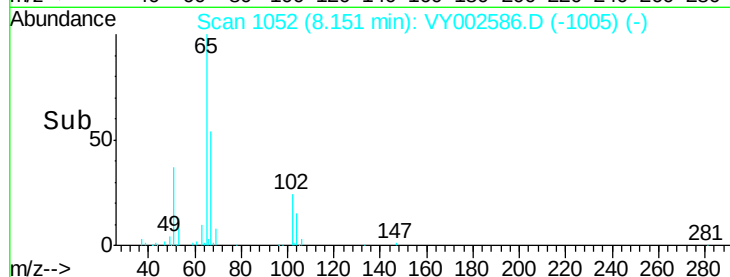
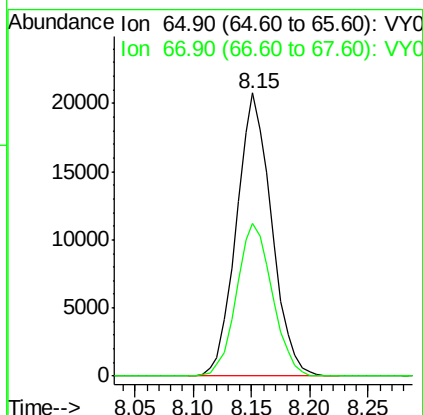
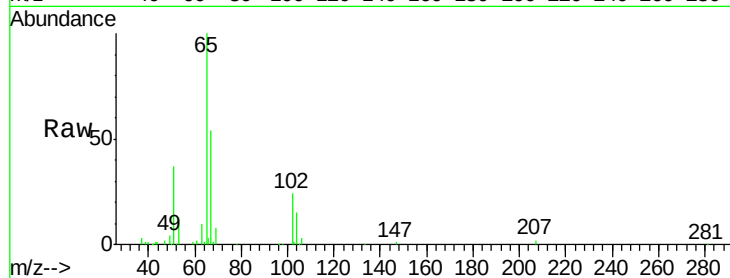




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.697 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VY002586.D  
 Acq: 05 May 2020 15:06

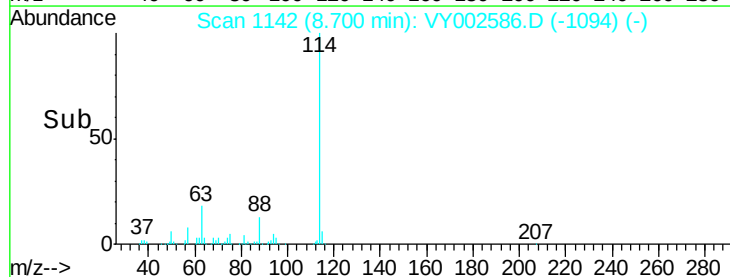
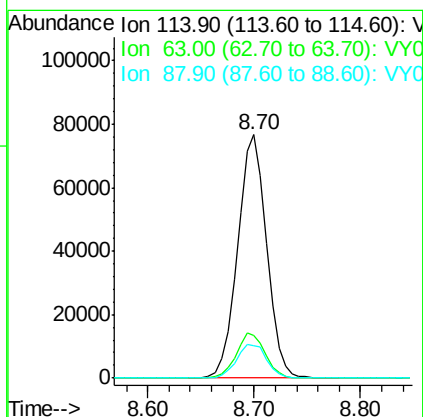
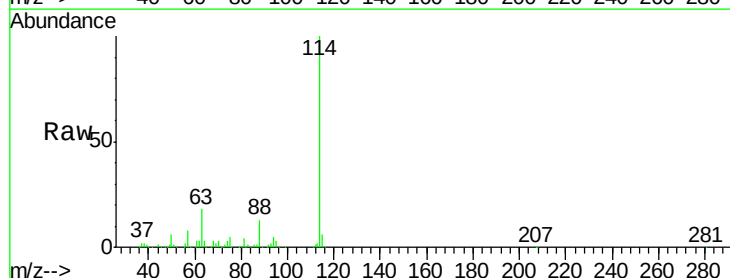
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 1340RE

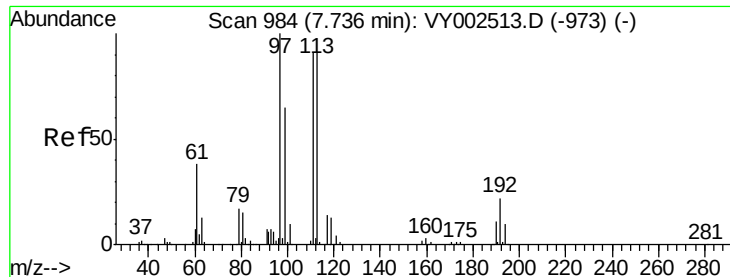
Tot Ion: 65 Resp: 43627  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY002586.D  
 Acq: 05 May 2020 15:06

Tgt Ion: 114 Resp: 146143  
 Ion Ratio Lower Upper  
 114 100  
 63 17.6 0.0 36.4  
 88 13.5 0.0 29.6

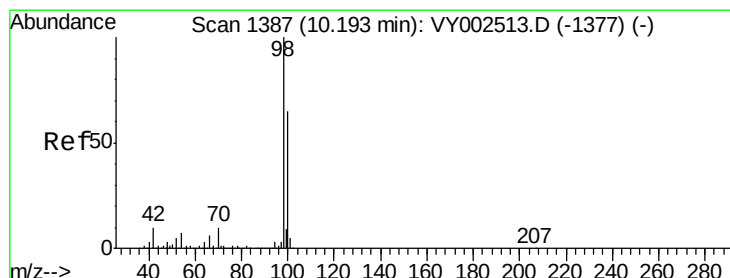
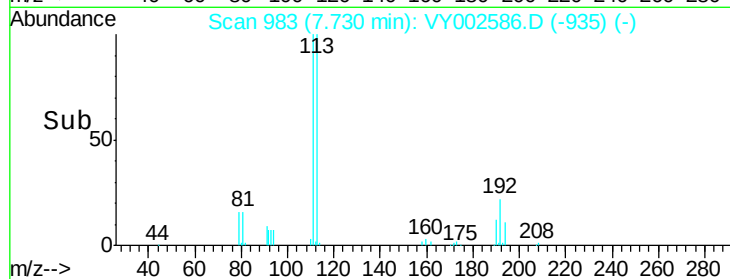
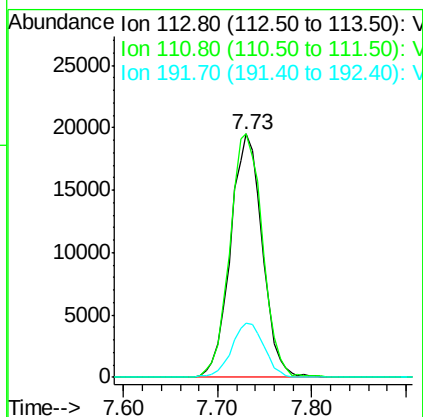
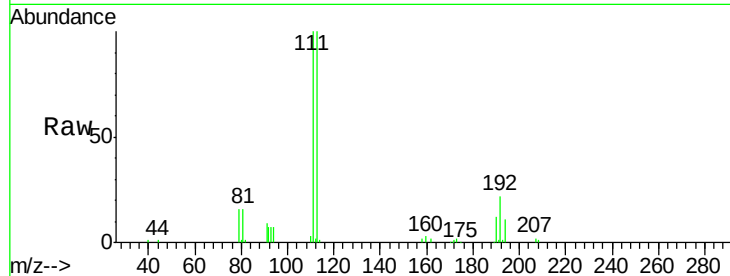




#35  
Dibromofluoromethane  
Concen: 54.713 ug/l  
RT: 7.73 min Scan# 983  
Delta R.T. -0.01 min  
Lab File: VY002586.D  
Acq: 05 May 2020 15:06

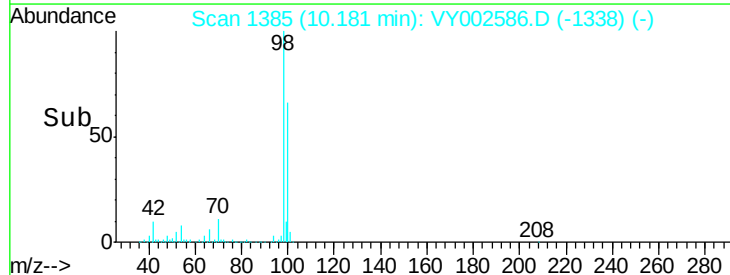
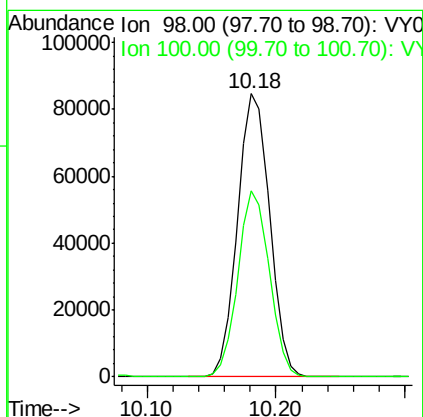
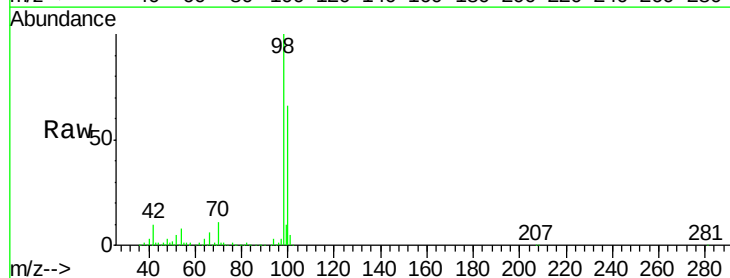
Instrument :  
MSVOA\_Y  
ClientSampleId :  
1340RE

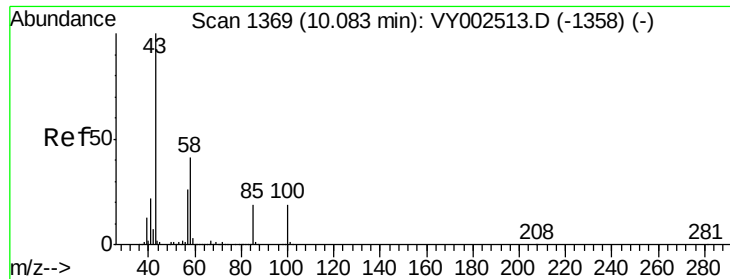
Tot Ion:113 Resp: 45729  
Ion Ratio Lower Upper  
113 100  
111 103.1 81.8 122.6  
192 22.7 18.2 27.4



#50  
Toluene-d8  
Concen: 44.821 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. -0.01 min  
Lab File: VY002586.D  
Acq: 05 May 2020 15:06

Tgt Ion: 98 Resp: 146293  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.2 78.2

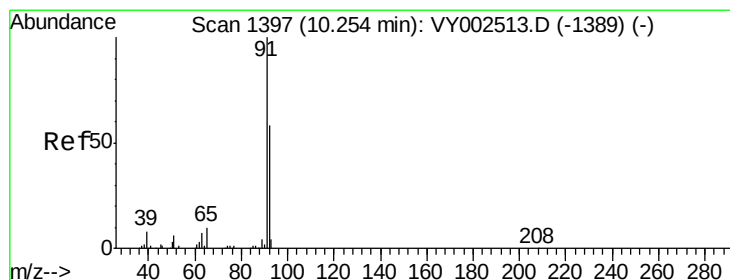
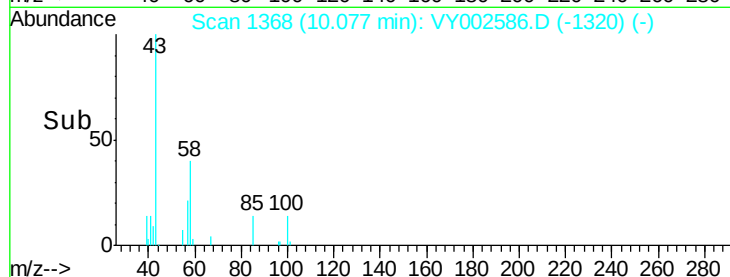
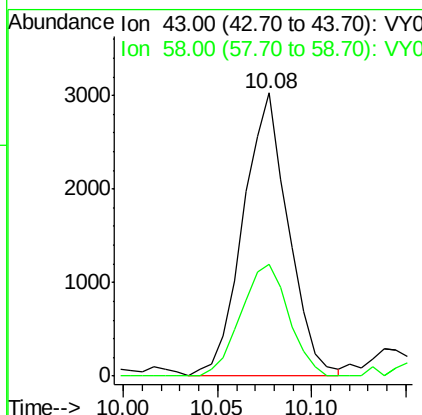
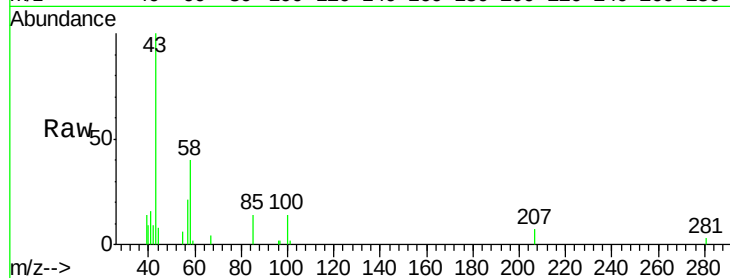




#51  
4-Methyl-2-Pentanone  
Concen: 8.293 ug/l  
RT: 10.08 min Scan# 1368  
Delta R.T. -0.01 min  
Lab File: VY002586.D  
Acq: 05 May 2020 15:06

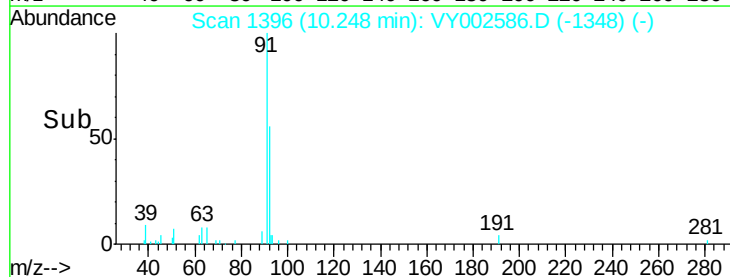
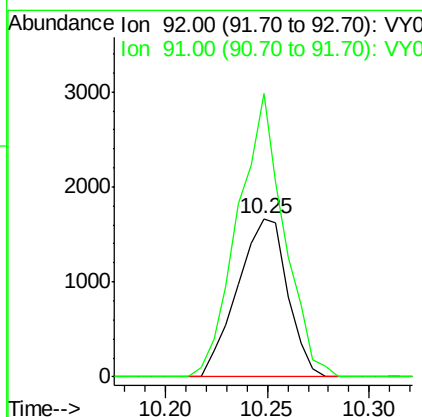
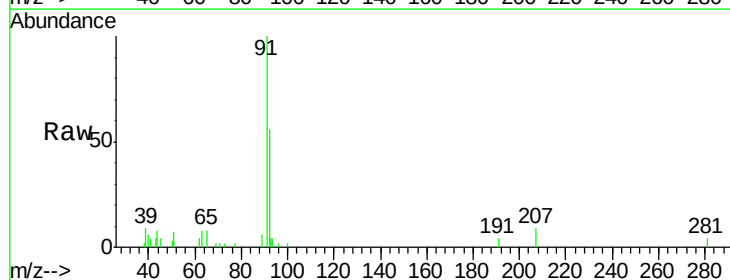
Instrument :  
MSVOA\_Y  
ClientSampled :  
1340RE

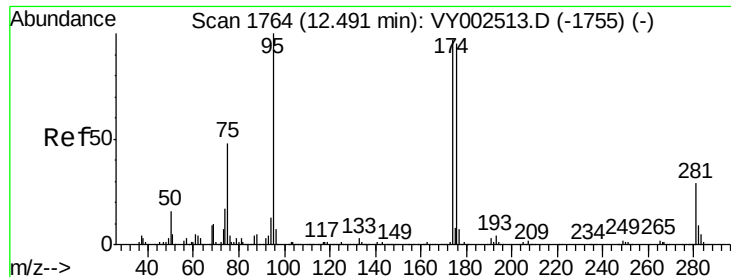
Tot Ion: 43 Resp: 5045  
Ion Ratio Lower Upper  
43 100  
58 41.5 33.2 49.8



#52  
Toluene  
Concen: 1.252 ug/l  
RT: 10.25 min Scan# 1396  
Delta R.T. -0.01 min  
Lab File: VY002586.D  
Acq: 05 May 2020 15:06

Tgt Ion: 92 Resp: 2846  
Ion Ratio Lower Upper  
92 100  
91 164.8 139.3 208.9





#62

4-Bromofluorobenzene

Concen: 22.913 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002586.D

Acq: 05 May 2020 15:06

Instrument :

MSVOA\_Y

ClientSampleId :

1340RE

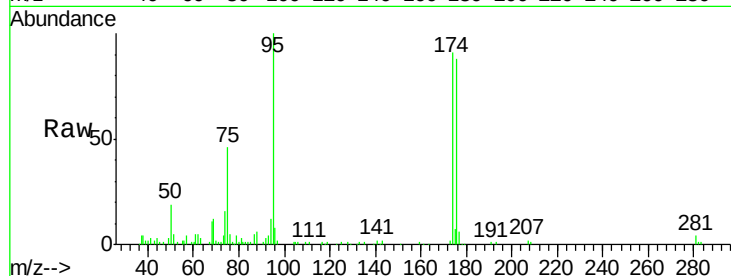
Tot Ion: 95 Resp: 25377

Ion Ratio Lower Upper

95 100

174 92.6 0.0 188.8

176 89.8 0.0 183.2



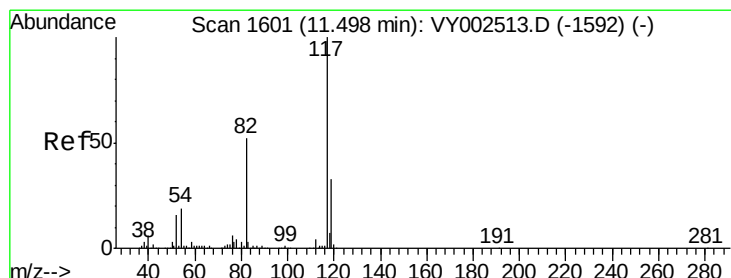
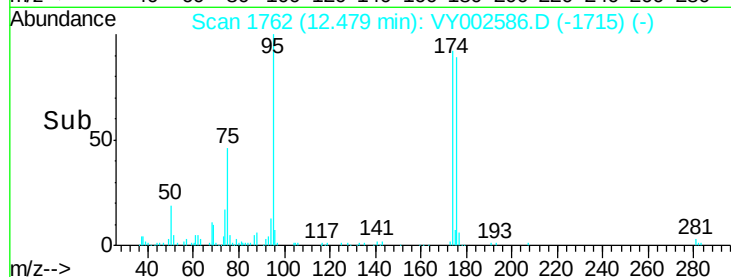
Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)

12.48

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002586.D

Acq: 05 May 2020 15:06

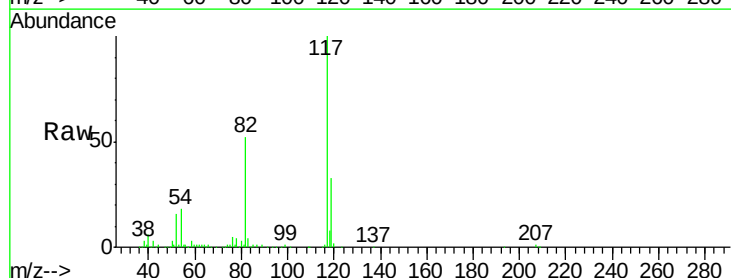
Tgt Ion: 117 Resp: 88581

Ion Ratio Lower Upper

117 100

82 51.5 41.3 61.9

119 33.1 26.0 39.0



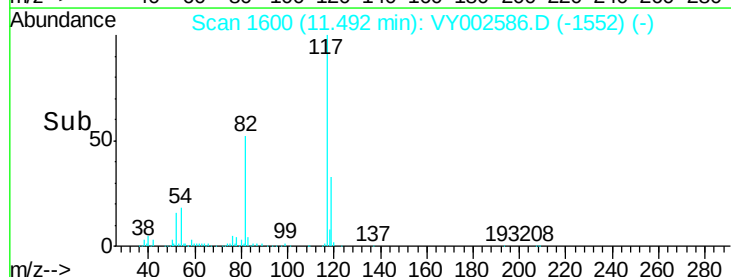
Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002513.D (-1592) (-)

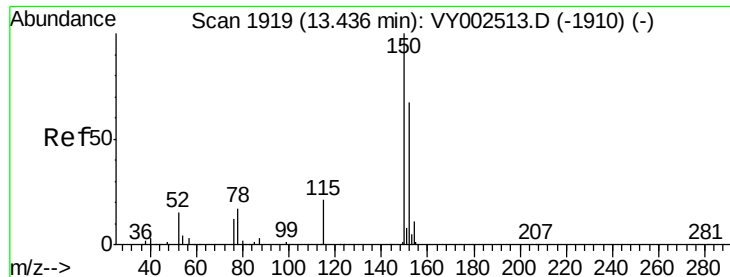
Ion 118.90 (118.60 to 119.60): VY002513.D (-1592) (-)

11.49

Time-->





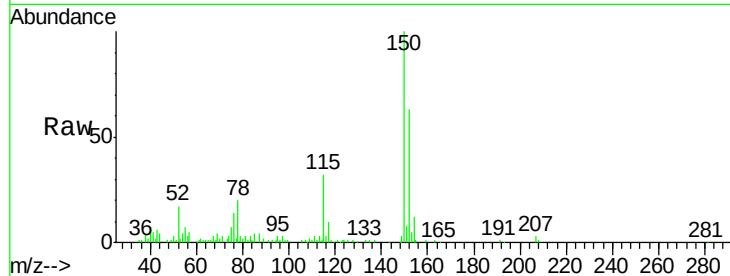


#72

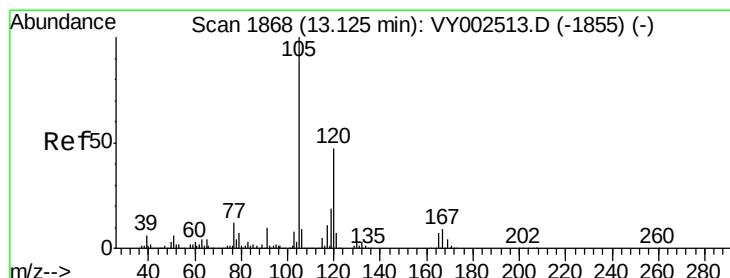
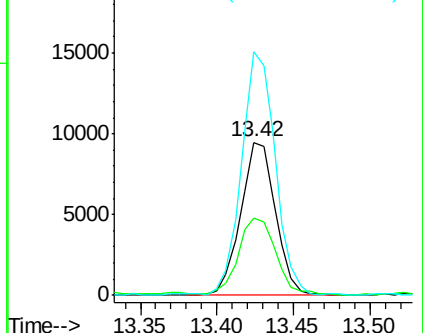
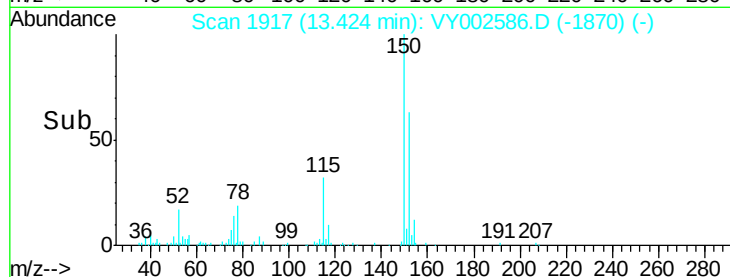
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: VY002586.D  
Acq: 05 May 2020 15:06

Instrument :  
MSVOA\_Y  
ClientSampleId :  
1340RE

| Tot Ion | 152   | Resp  | 14975 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 152     | 100   |       |       |
| 115     | 54.8  | 27.5  | 82.4  |
| 150     | 154.4 | 0.0   | 346.4 |



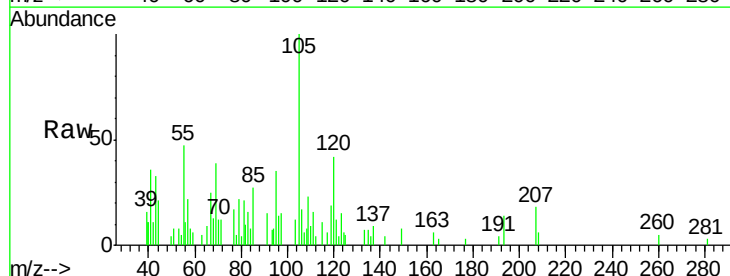
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



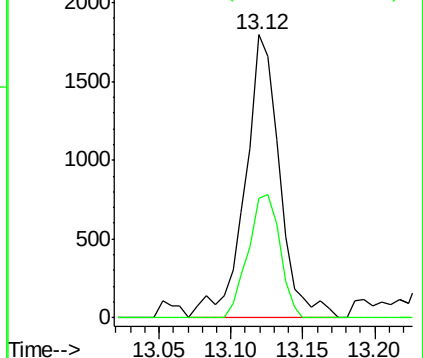
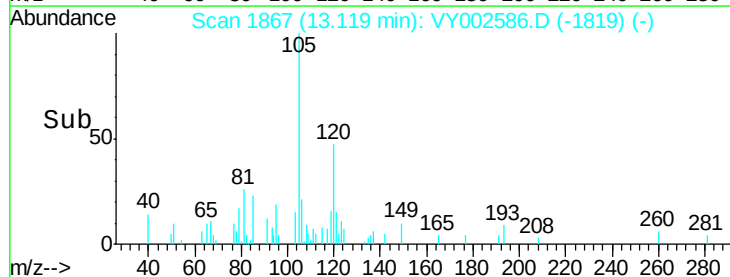
#84

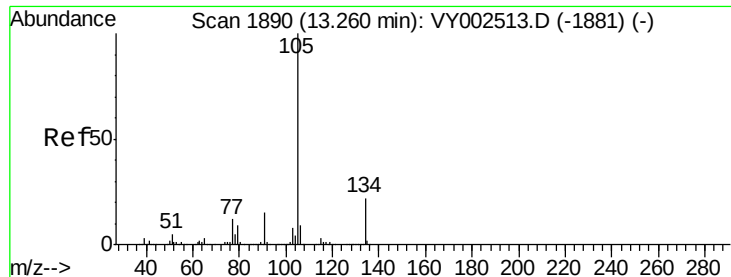
1,2,4-Trimethylbenzene  
Concen: 3.719 ug/l  
RT: 13.12 min Scan# 1867  
Delta R.T. -0.01 min  
Lab File: VY002586.D  
Acq: 05 May 2020 15:06

| Tgt Ion | 105   | Resp  | 2982  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 105     | 100   |       |       |
| 120     | 39.9  | 23.4  | 70.3  |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.111 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY002586.D

Acq: 05 May 2020 15:06

Instrument :

MSVOA\_Y

ClientSampleId :

1340RE

Tot Ion:105 Resp: 2066

Ion Ratio Lower Upper

105 100

134 22.1 10.8 32.3

