

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
 Data File : VY002648.D  
 Acq On : 08 May 2020 17:57  
 Operator : SY/MD  
 Sample : L2506-01  
 Misc : 5.34G/5ML/MSVOA Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-04-050720

Quant Time: May 11 02:50:54 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

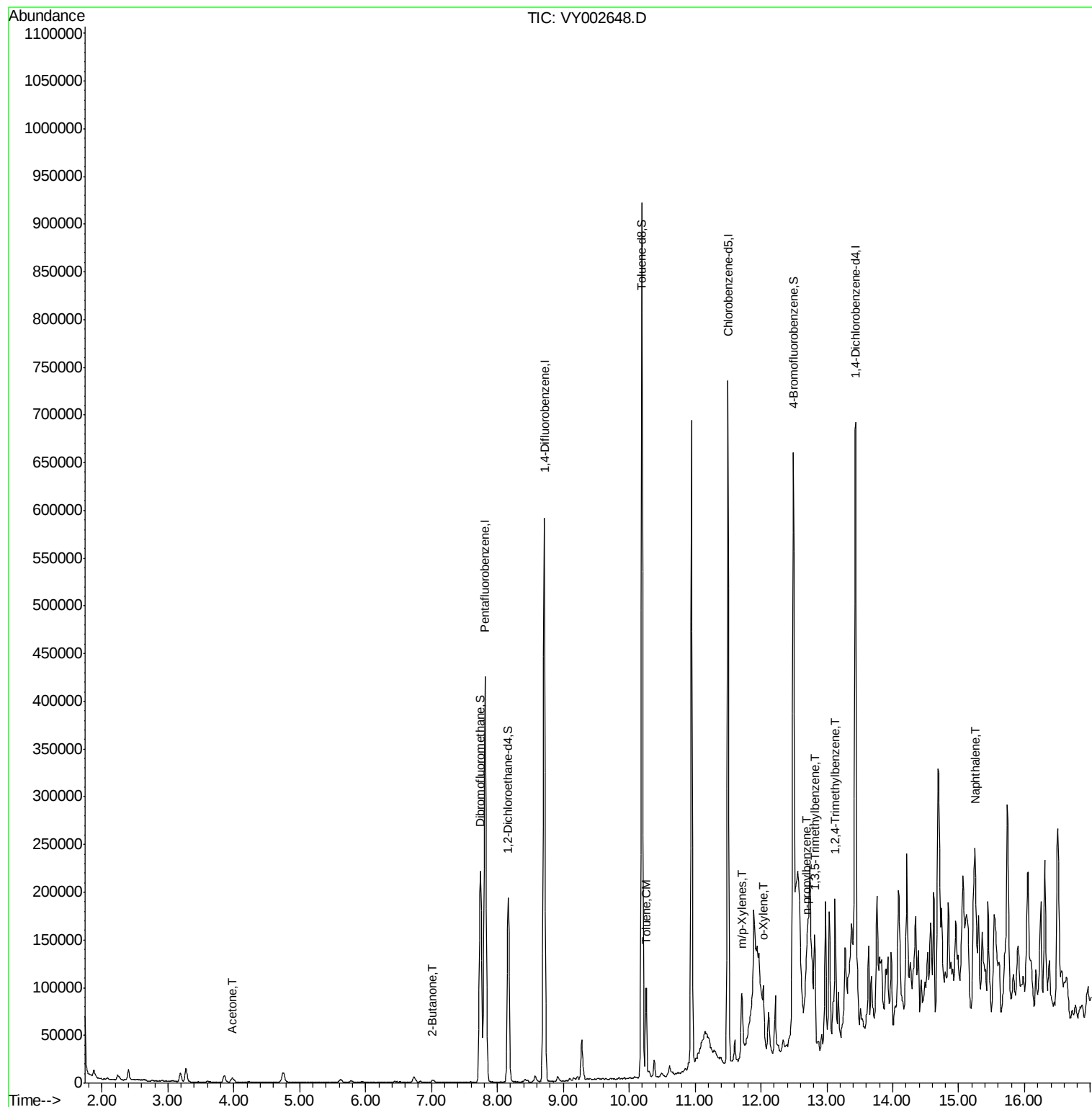
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 357484   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 546269   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 426403   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 174705   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 150695   | 50.13  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.26% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 160442   | 51.36  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.72% |          |
| 50) Toluene-d8              | 10.19 | 98   | 610537   | 50.04  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.08% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 166496   | 40.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 80.44%  |          |
| Target Compounds            |       |      |          |        |         |          |
|                             |       |      |          |        | Qvalue  |          |
| 16) Acetone                 | 3.98  | 43   | 8210     | 13.235 | ug/l    | 99       |
| 25) 2-Butanone              | 7.02  | 43   | 3676     | 3.620  | ug/l    | 96       |
| 52) Toluene                 | 10.26 | 92   | 40169    | 4.726  | ug/l    | 99       |
| 68) m/p-Xylenes             | 11.70 | 106  | 22270    | 4.042  | ug/l    | 90       |
| 69) o-Xylene                | 12.04 | 106  | 12518    | 2.427  | ug/l    | 100      |
| 78) n-propylbenzene         | 12.68 | 91   | 16245    | 1.236  | ug/l    | 100      |
| 80) 1,3,5-Trimethylbenzene  | 12.82 | 105  | 16903    | 1.801  | ug/l    | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.13 | 105  | 77146    | 8.248  | ug/l    | 99       |
| 95) Naphthalene             | 15.25 | 128  | 53476    | 8.452  | ug/l #  | 82       |

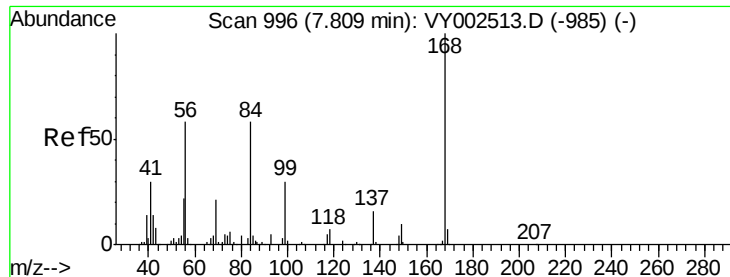
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\  
Data File : VY002648.D  
Acq On : 08 May 2020 17:57  
Operator : SY/MD  
Sample : L2506-01  
Misc : 5.34G/5ML/MSVOA Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-04-050720

Quant Time: May 11 02:50:54 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
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: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002648.D

Acq: 08 May 2020 17:57

Instrument :

MSVOA\_Y

ClientSampleId :

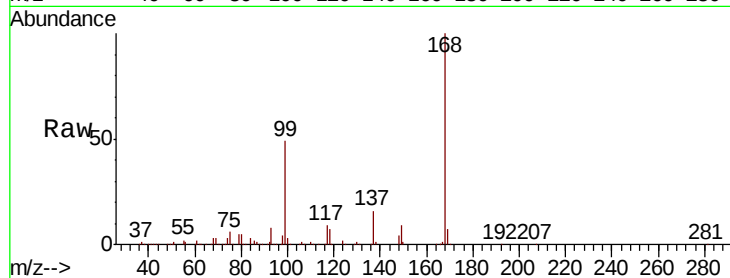
TR-04-050720

Tot Ion:168 Resp: 357484

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) (-)

7.82

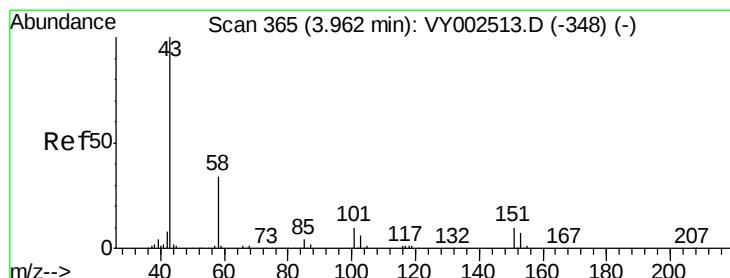
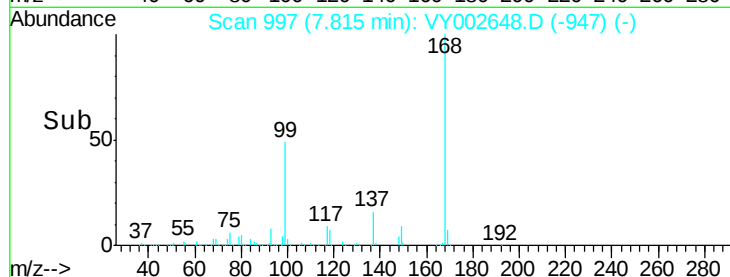
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 13.235 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY002648.D

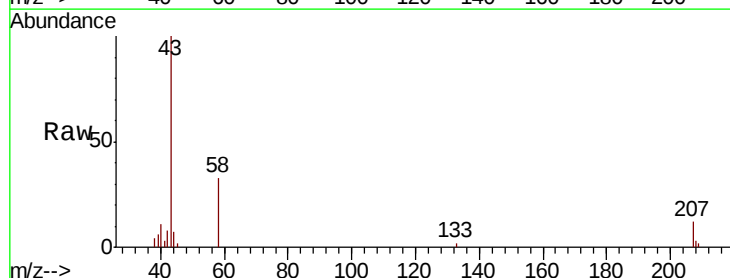
Acq: 08 May 2020 17:57

Tgt Ion: 43 Resp: 8210

Ion Ratio Lower Upper

43 100

58 33.0 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-348) (-)

3.98

4000

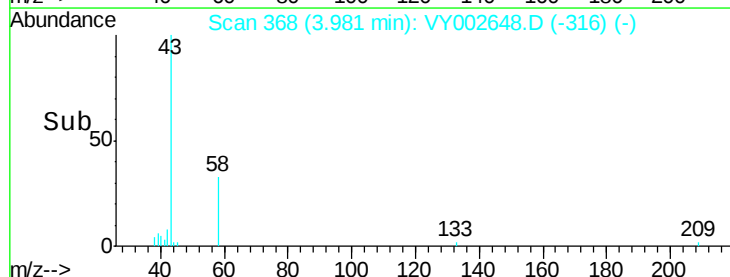
3000

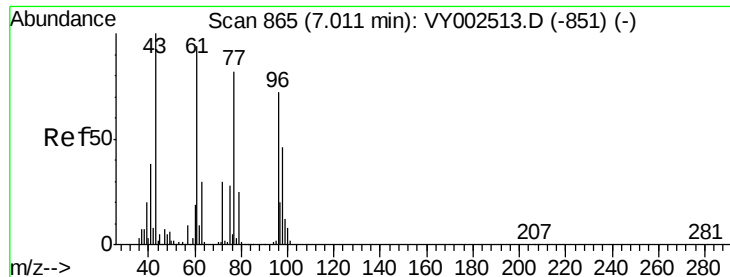
2000

1000

0

Time-->

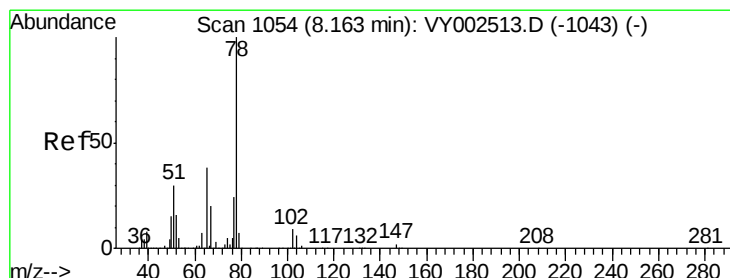
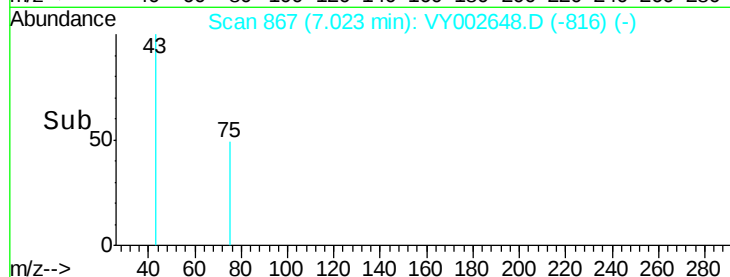
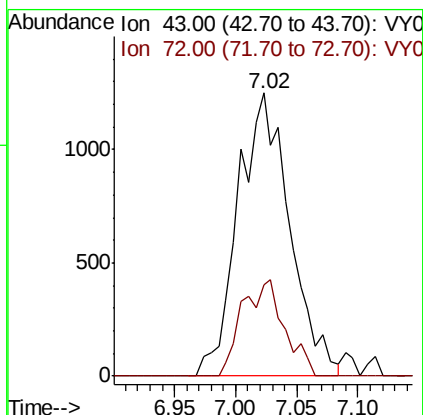
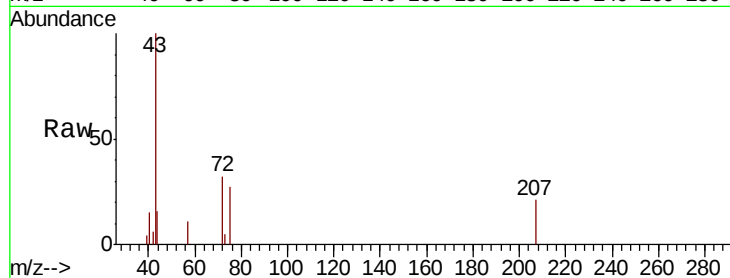




#25  
2-Butanone  
Concen: 3.620 ug/l  
RT: 7.02 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: VY002648.D  
Acq: 08 May 2020 17:57

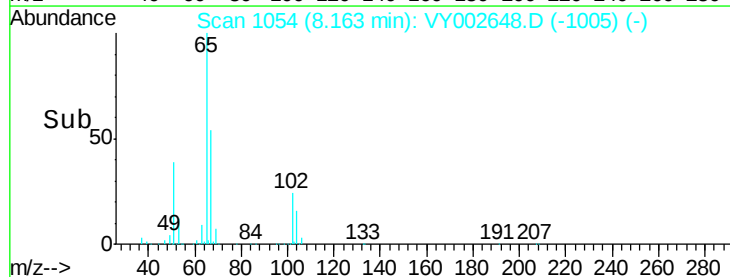
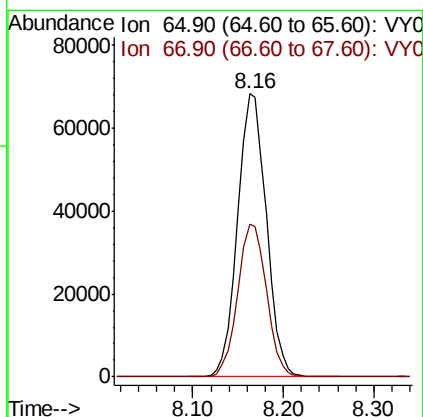
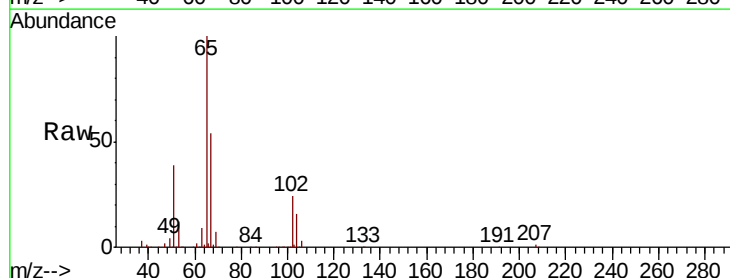
Instrument :  
MSVOA\_Y  
ClientSampled :  
TR-04-050720

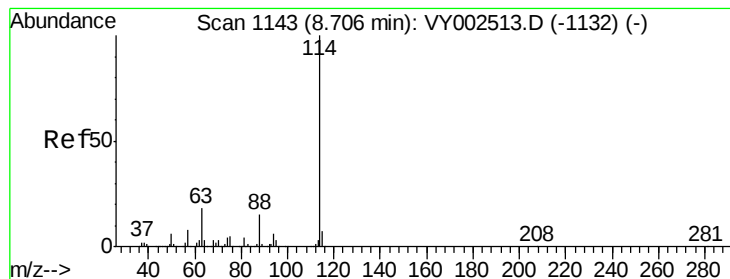
Tot Ion: 43 Resp: 3676  
Ion Ratio Lower Upper  
43 100  
72 32.4 24.1 36.1



#33  
1,2-Dichloroethane-d4  
Concen: 50.135 ug/l  
RT: 8.16 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: VY002648.D  
Acq: 08 May 2020 17:57

Tgt Ion: 65 Resp: 150695  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002648.D

Acq: 08 May 2020 17:57

Instrument :

MSVOA\_Y

ClientSampleId :

TR-04-050720

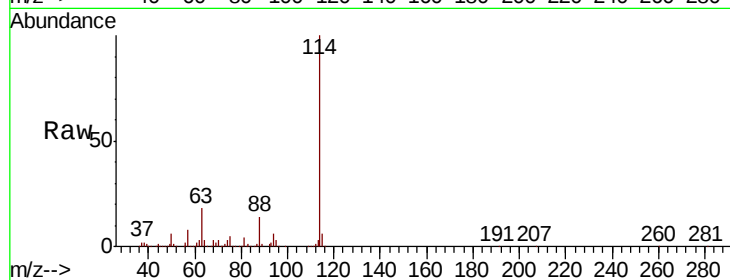
Tot Ion:114 Resp: 546269

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.4

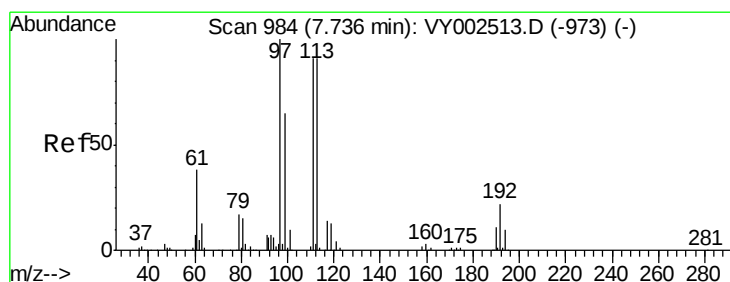
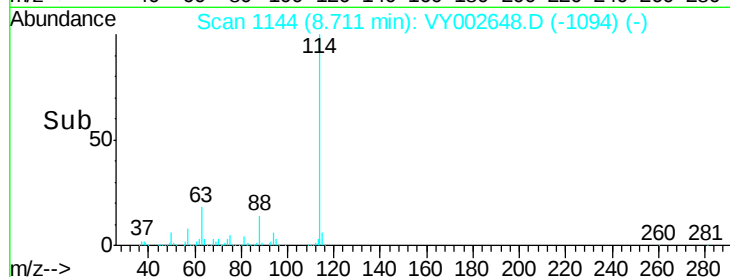
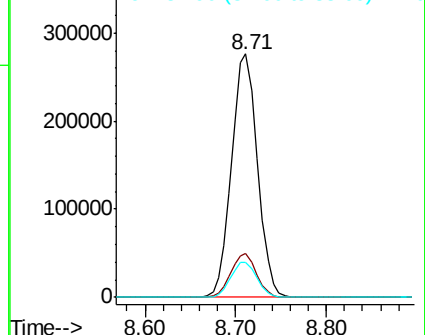
88 14.4 0.0 29.6



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: 51.356 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002648.D

Acq: 08 May 2020 17:57

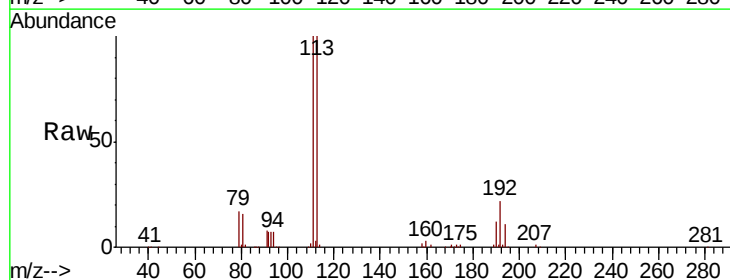
Tgt Ion:113 Resp: 160442

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

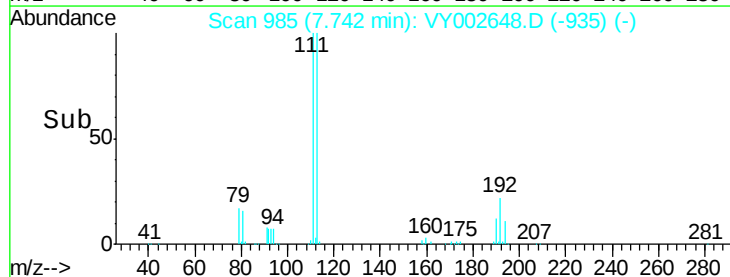
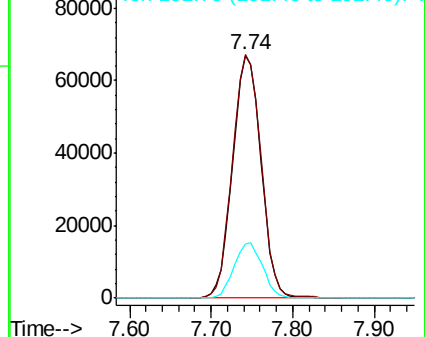
192 22.8 18.2 27.4

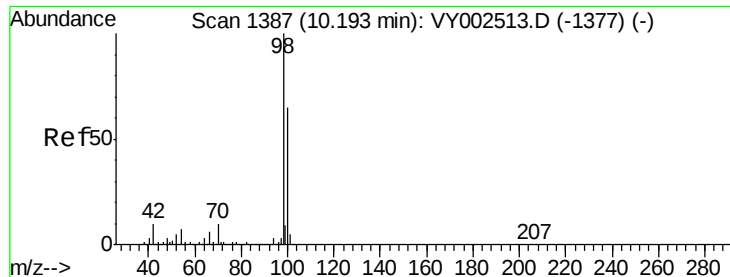


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.043 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY002648.D

Acq: 08 May 2020 17:57

Instrument :

MSVOA\_Y

ClientSampleId :

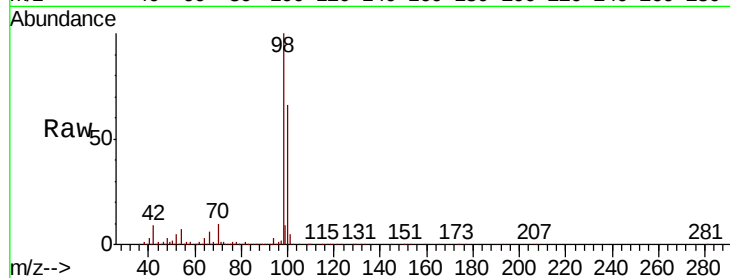
TR-04-050720

Tot Ion: 98 Resp: 610537

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

400000

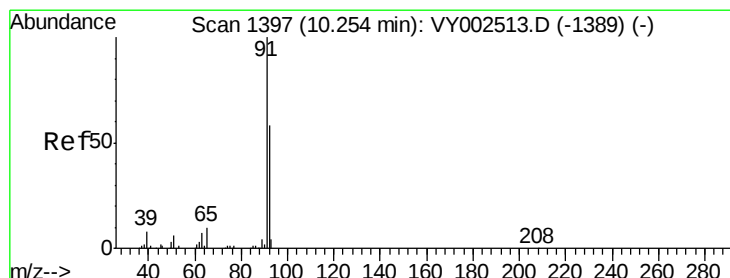
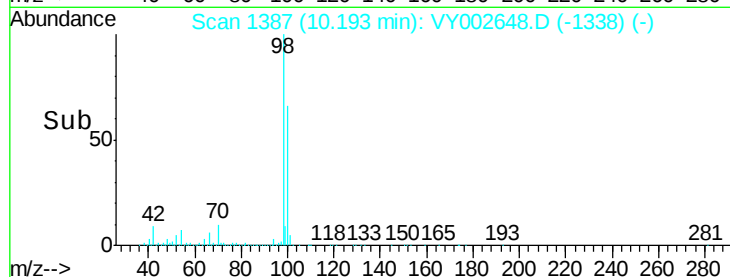
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 4.726 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY002648.D

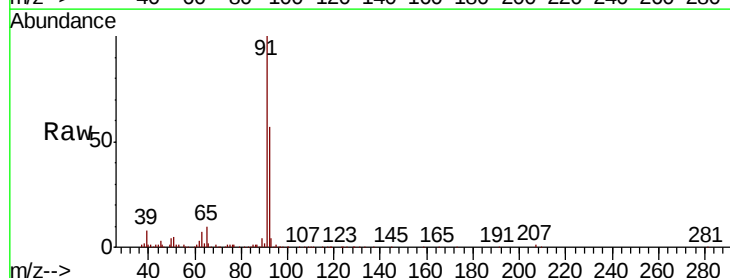
Acq: 08 May 2020 17:57

Tgt Ion: 92 Resp: 40169

Ion Ratio Lower Upper

92 100

91 172.9 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

40000

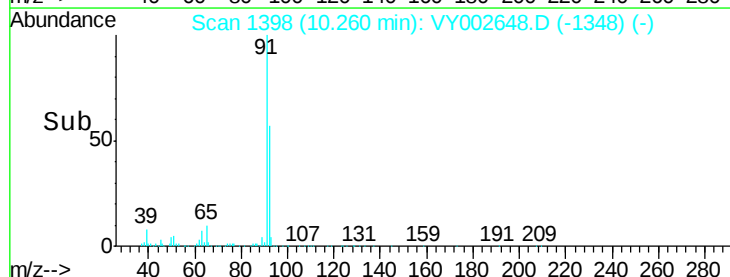
30000

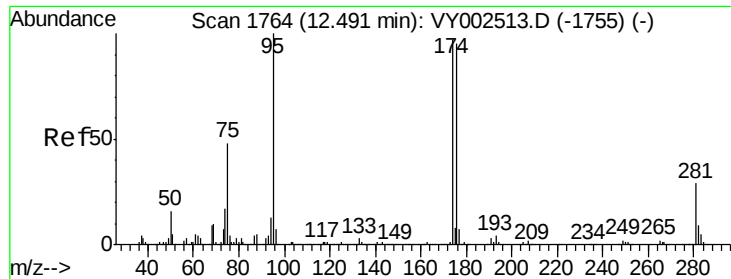
20000

10000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 40.218 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002648.D

Acq: 08 May 2020 17:57

Instrument :

MSVOA\_Y

ClientSampleId :

TR-04-050720

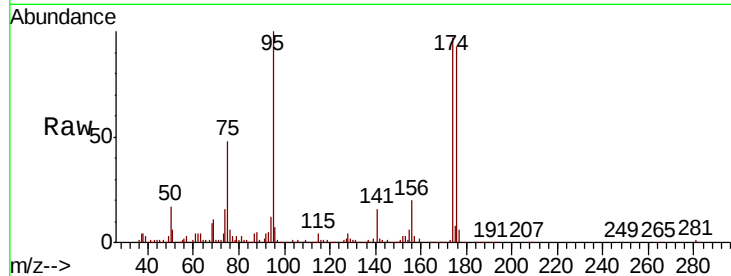
Tot Ion: 95 Resp: 166496

Ion Ratio Lower Upper

95 100

174 95.2 0.0 188.8

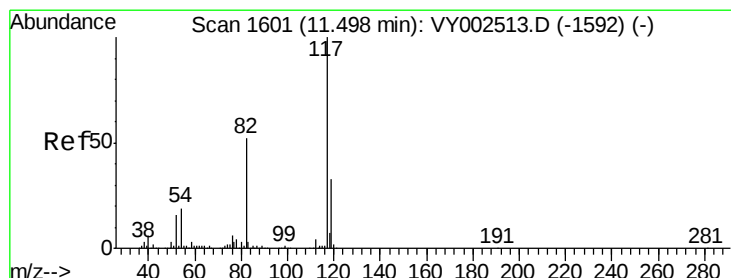
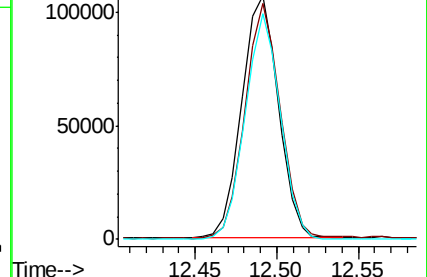
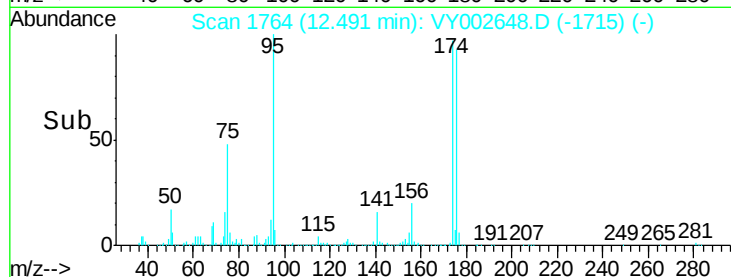
176 90.1 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY002648.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY002648.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY002648.D (-1715) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY002648.D

Acq: 08 May 2020 17:57

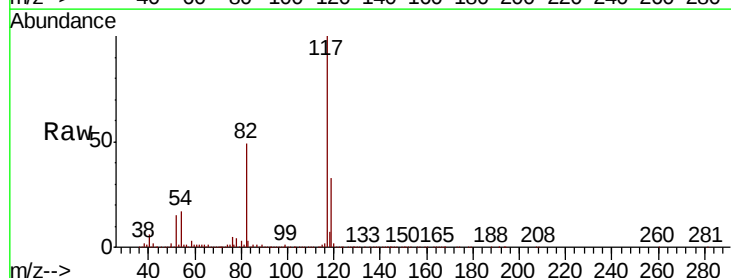
Tgt Ion: 117 Resp: 426403

Ion Ratio Lower Upper

117 100

82 49.3 41.3 61.9

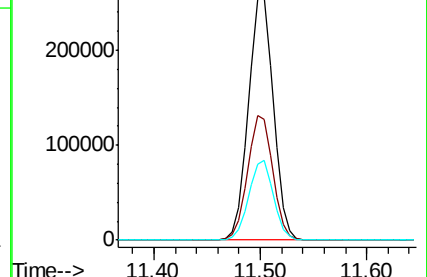
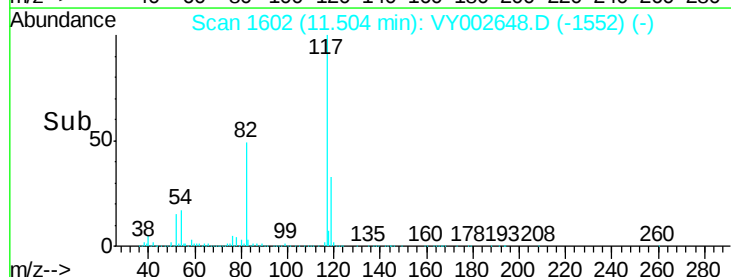
119 32.5 26.0 39.0

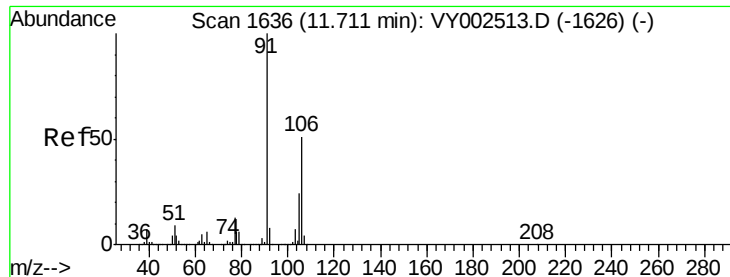


Abundance Ion 116.90 (116.60 to 117.60): VY002648.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY002648.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY002648.D (-1552) (-)

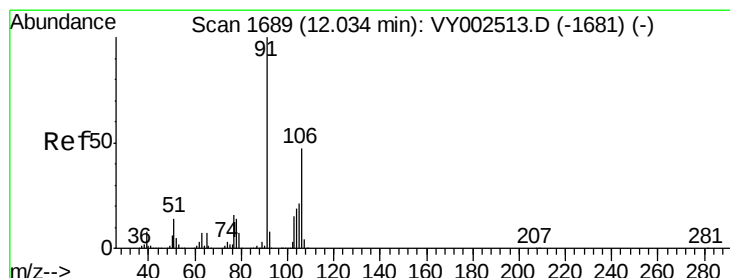
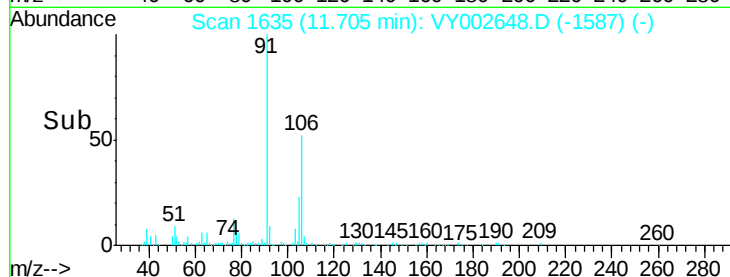
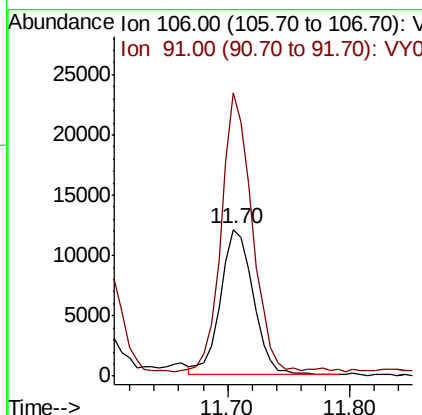
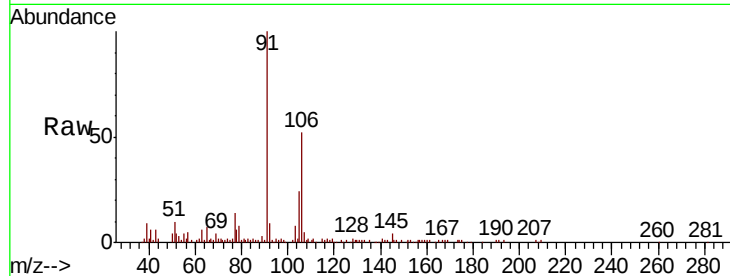




#68  
m/p-Xylenes  
Concen: 4.042 ug/l  
RT: 11.70 min Scan# 1635  
Delta R.T. -0.01 min  
Lab File: VY002648.D  
Acq: 08 May 2020 17:57

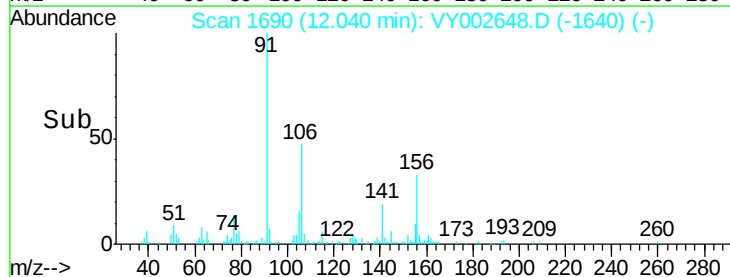
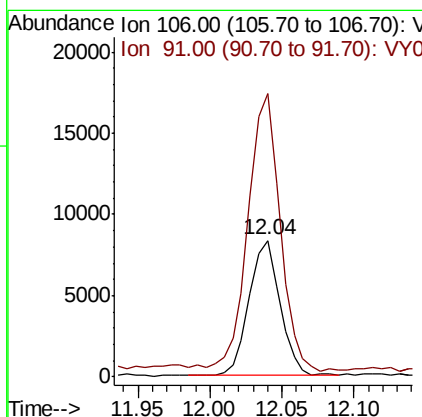
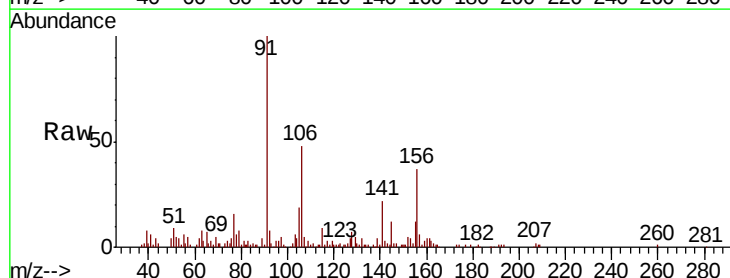
Instrument :  
MSVOA\_Y  
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TR-04-050720

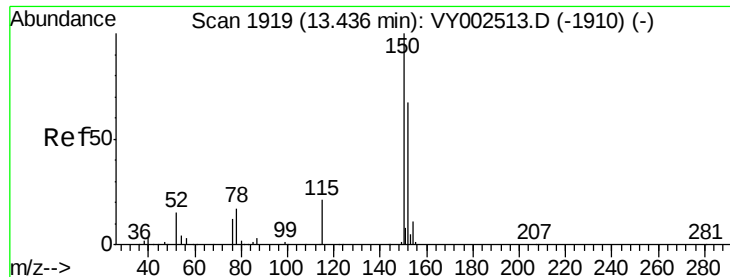
Tot Ion:106 Resp: 22270  
Ion Ratio Lower Upper  
106 100  
91 179.3 155.2 232.8



#69  
o-Xylene  
Concen: 2.427 ug/l  
RT: 12.04 min Scan# 1690  
Delta R.T. 0.01 min  
Lab File: VY002648.D  
Acq: 08 May 2020 17:57

Tgt Ion:106 Resp: 12518  
Ion Ratio Lower Upper  
106 100  
91 207.4 103.8 311.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002648.D

Acq: 08 May 2020 17:57

Instrument :

MSVOA\_Y

ClientSampleId :

TR-04-050720

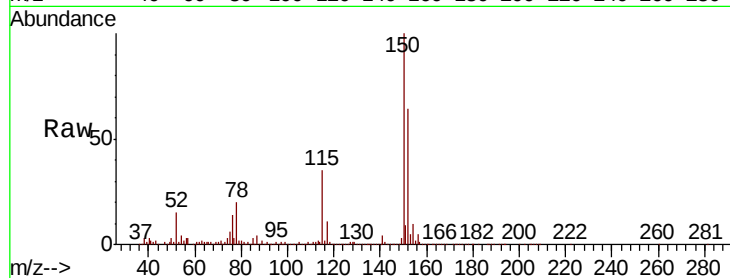
Tot Ion:152 Resp: 174705

Ion Ratio Lower Upper

152 100

115 58.0 27.5 82.4

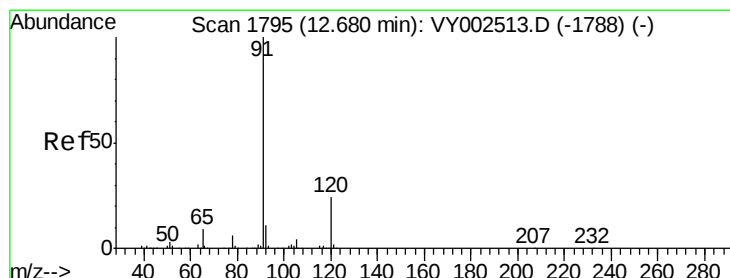
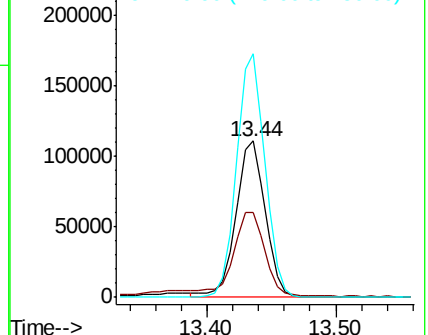
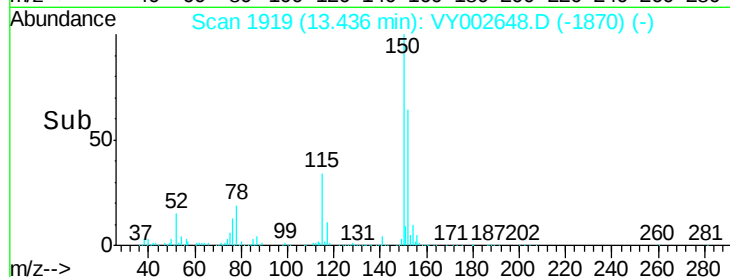
150 151.0 0.0 346.4



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



#78

n-propylbenzene

Concen: 1.236 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002648.D

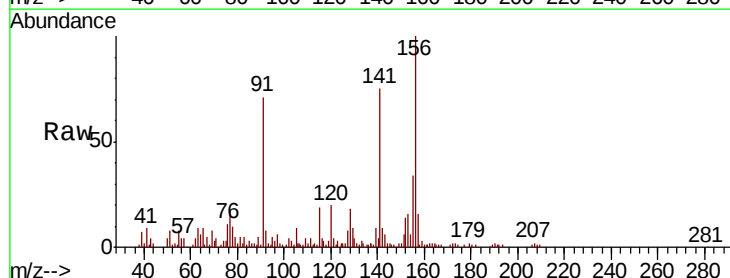
Acq: 08 May 2020 17:57

Tgt Ion: 91 Resp: 16245

Ion Ratio Lower Upper

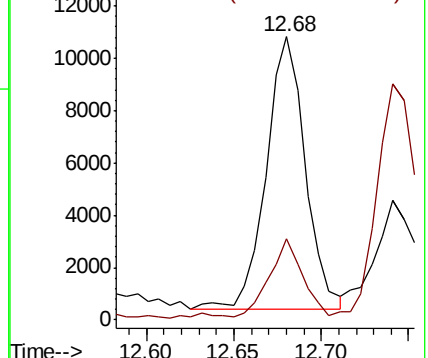
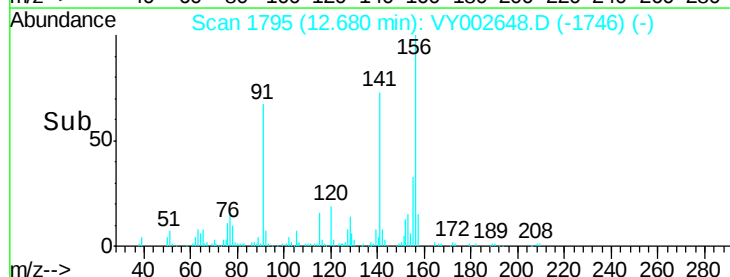
91 100

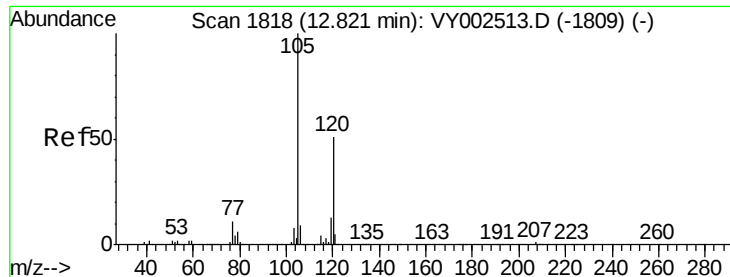
120 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.801 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002648.D

Acq: 08 May 2020 17:57

Instrument :

MSVOA\_Y

ClientSampleId :

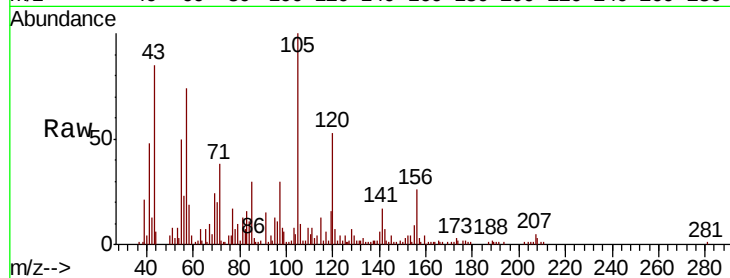
TR-04-050720

Tot Ion:105 Resp: 16903

Ion Ratio Lower Upper

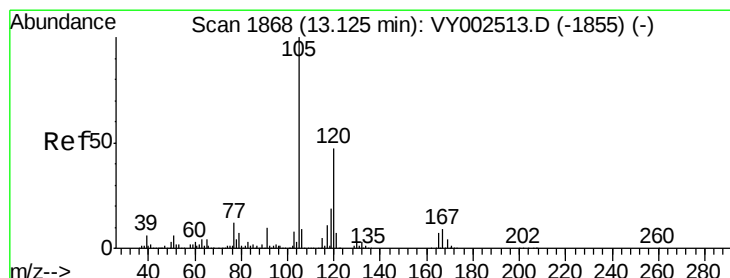
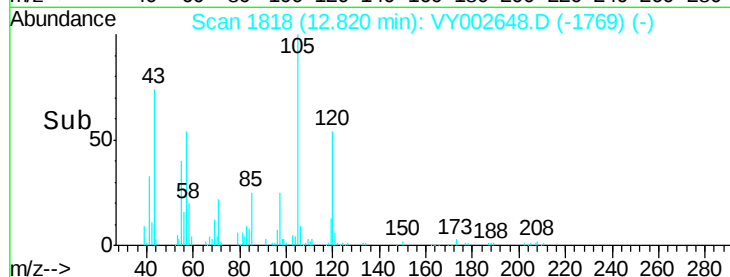
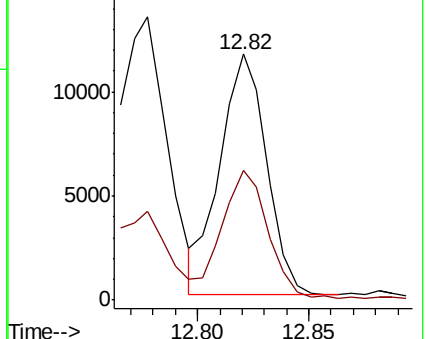
105 100

120 52.4 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 8.248 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VY002648.D

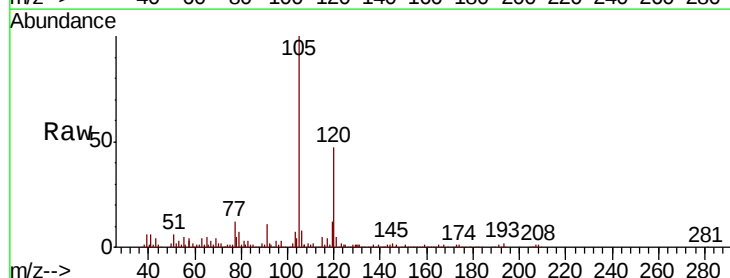
Acq: 08 May 2020 17:57

Tgt Ion:105 Resp: 77146

Ion Ratio Lower Upper

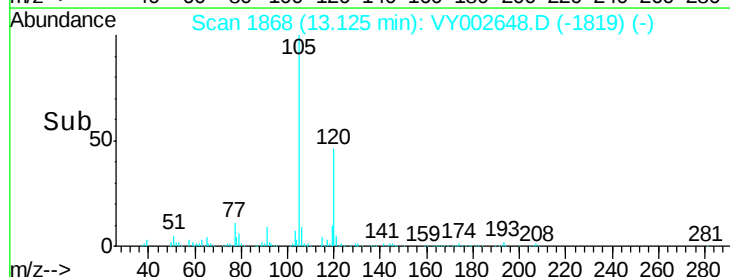
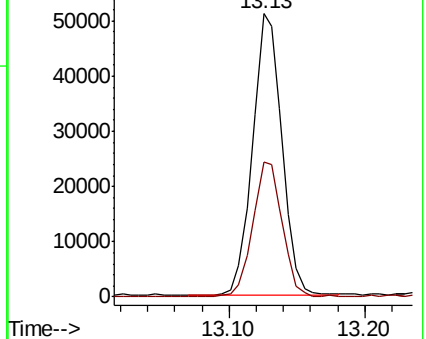
105 100

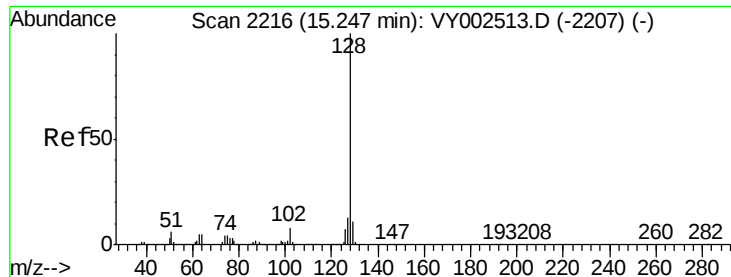
120 47.9 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 8.452 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002648.D

Acq: 08 May 2020 17:57

Instrument :

MSVOA\_Y

ClientSampleId :

TR-04-050720

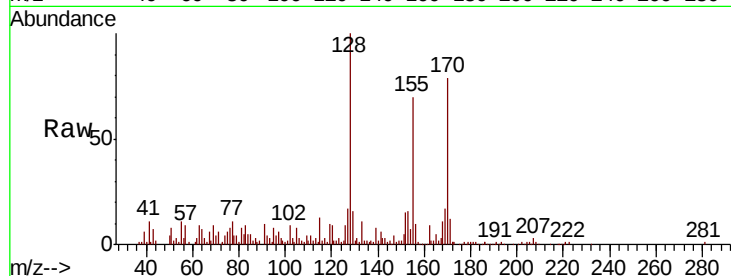
Tot Ion:128 Resp: 53476

Ion Ratio Lower Upper

128 100

127 18.8 10.5 15.7#

129 19.2 8.8 13.2#



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

