

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070120\  
 Data File : VY003071.D  
 Acq On : 01 Jul 2020 20:10  
 Operator : SY/MD  
 Sample : L3172-27  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP11-SS

Quant Time: Jul 02 03:21:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 30 04:11:35 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 305543   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 496684   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 482182   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 245552   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 171127   | 56.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 112.78% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 165505   | 53.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.84% |          |
| 50) Toluene-d8              | 10.18 | 98   | 601860   | 52.14 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.28% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 216231   | 53.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.44% |          |

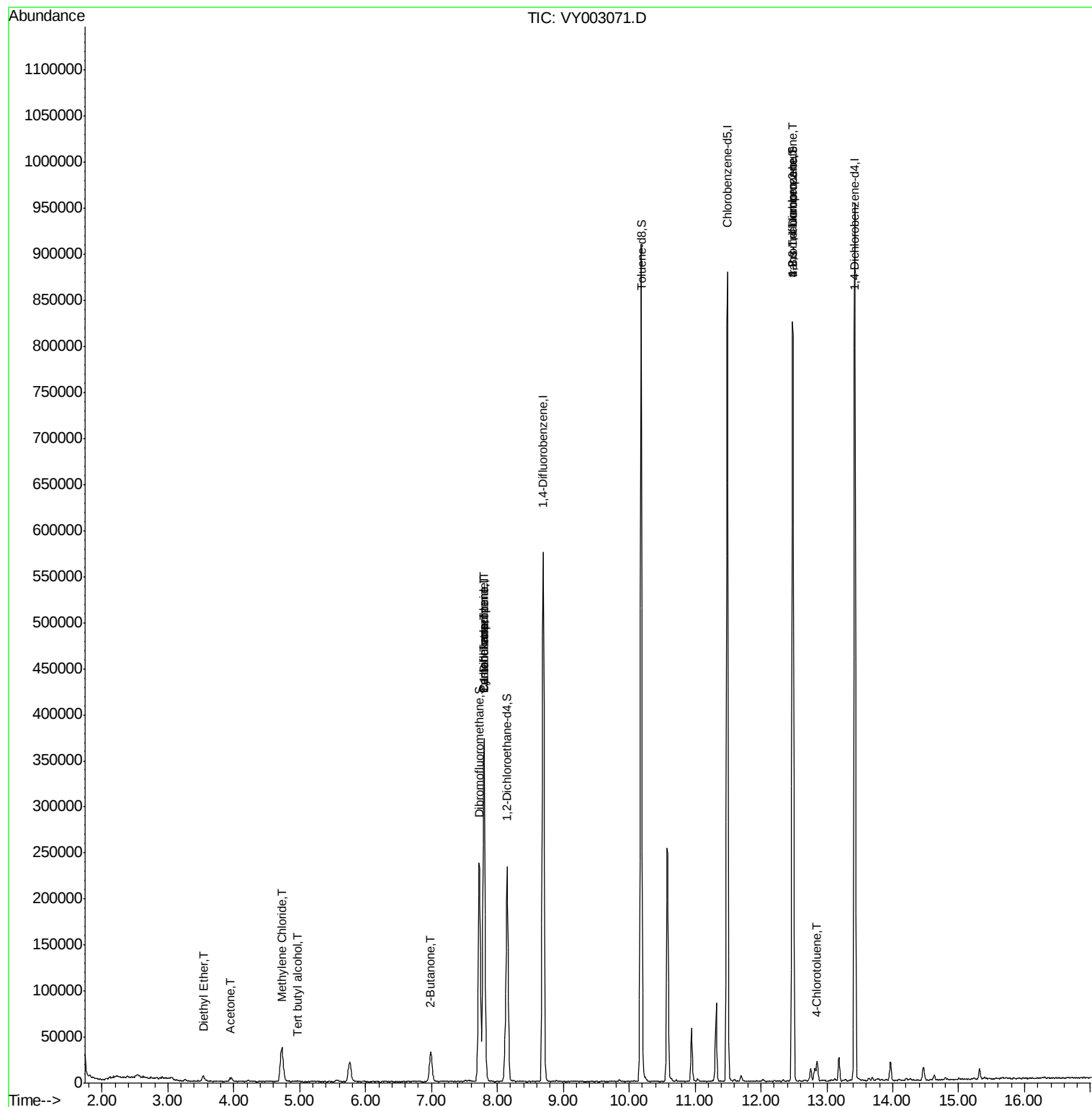
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 8) Diethyl Ether               | 3.55  | 74   | 4020     | 2.514  | ug/l   | 96     |
| 11) Tert butyl alcohol         | 4.97  | 59   | 595      | 1.924  | ug/l # | 90     |
| 16) Acetone                    | 3.94  | 43   | 6742     | 9.420  | ug/l   | 96     |
| 20) Methylene Chloride         | 4.73  | 84   | 29328    | 2.570  | ug/l   | 88     |
| 25) 2-Butanone                 | 6.99  | 43   | 2259     | 1.987  | ug/l # | 80     |
| 31) Cyclohexane                | 7.80  | 56   | 5918     | 1.109  | ug/l # | 14     |
| 36) 1,1-Dichloropropene        | 7.80  | 75   | 21374    | 4.468  | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 7.80  | 117  | 28517    | 5.729  | ug/l # | 16     |
| 76) 1,2,3-Trichloropropane     | 12.48 | 75   | 111626   | 45.933 | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75   | 111626   | 89.366 | ug/l # | 13     |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 12052    | 1.073  | ug/l   | 99     |

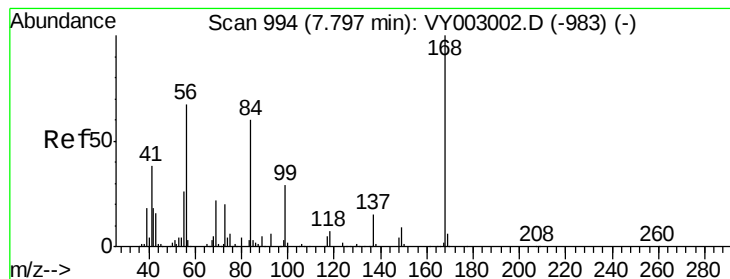
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070120\  
Data File : VY003071.D  
Acq On : 01 Jul 2020 20:10  
Operator : SY/MD  
Sample : L3172-27  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP11-SS

Quant Time: Jul 02 03:21:36 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 30 04:11:35 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: VY003071.D

Acq: 01 Jul 2020 20:10

Instrument :

MSVOA\_Y

ClientSampleId :

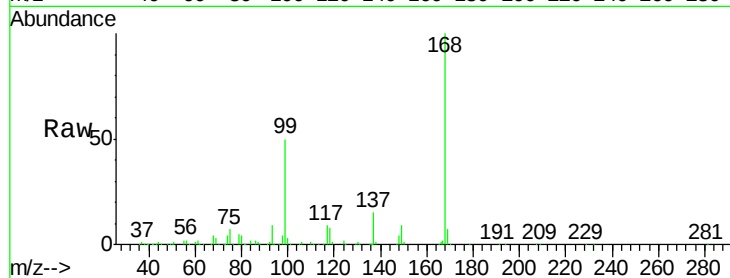
TP11-SS

Tot Ion:168 Resp: 305543

Ion Ratio Lower Upper

168 100

99 50.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003071.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003071.D (-945) (-)

7.80

150000

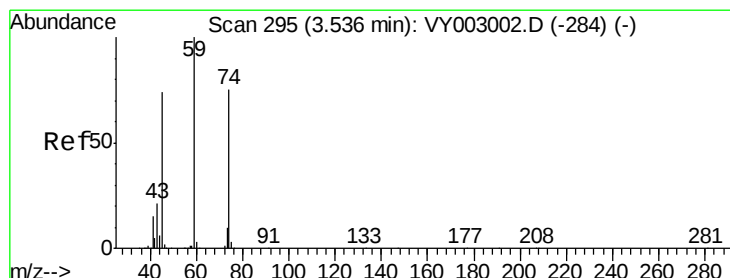
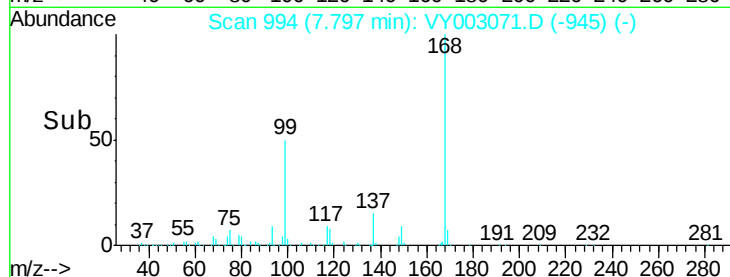
100000

50000

0

7.70 7.80 7.90

Time-->



#8

Diethyl Ether

Concen: 2.514 ug/l

RT: 3.55 min Scan# 297

Delta R.T. 0.01 min

Lab File: VY003071.D

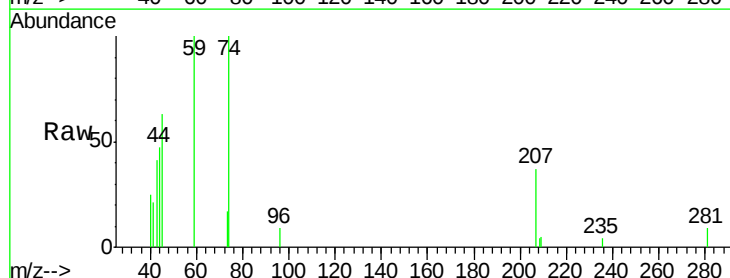
Acq: 01 Jul 2020 20:10

Tgt Ion: 74 Resp: 4020

Ion Ratio Lower Upper

74 100

45 94.9 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VY003071.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY003071.D (-246) (-)

3.55

2000

1500

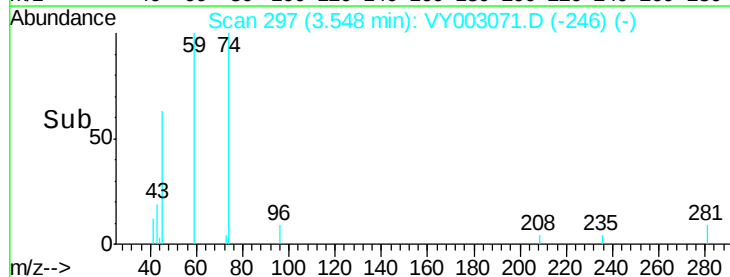
1000

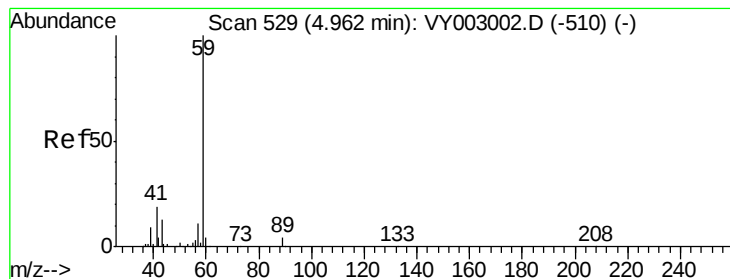
500

0

3.45 3.50 3.55 3.60 3.65

Time-->



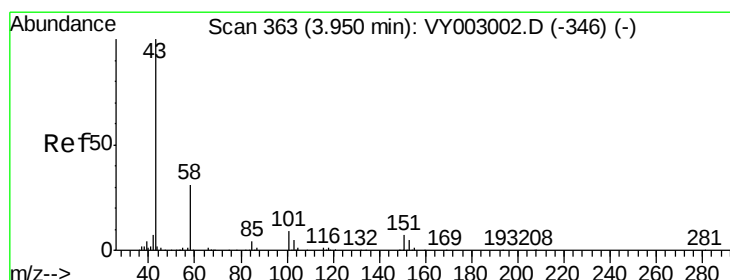
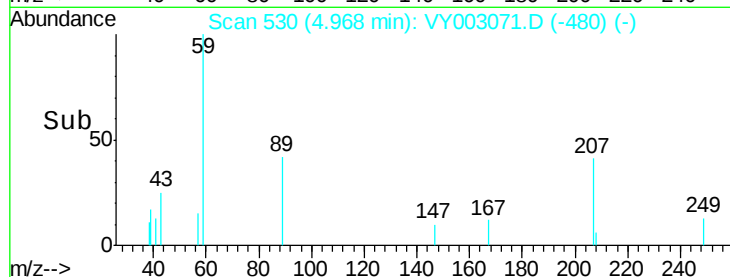
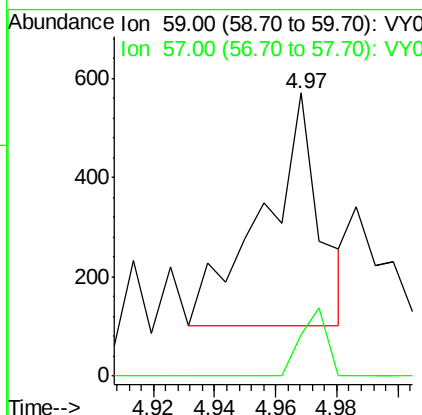
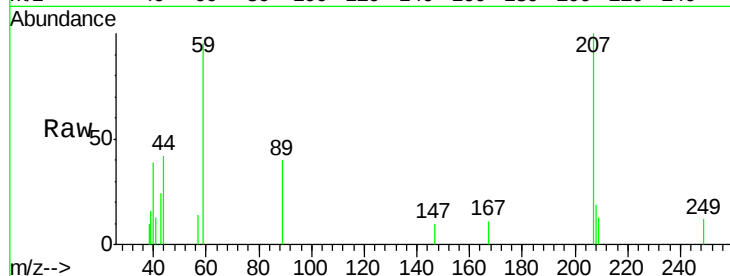


#11

Tert butyl alcohol  
 Concen: 1.924 ug/l  
 RT: 4.97 min Scan# 530  
 Delta R.T. 0.01 min  
 Lab File: VY003071.D  
 Acq: 01 Jul 2020 20:10

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP11-SS

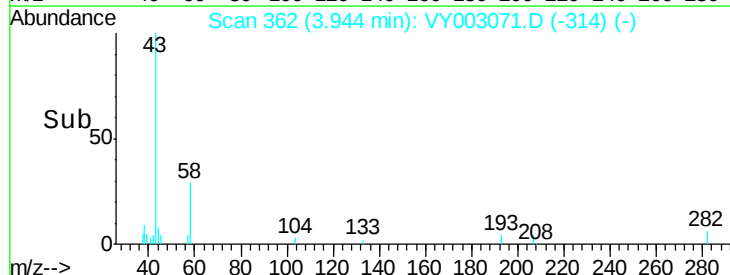
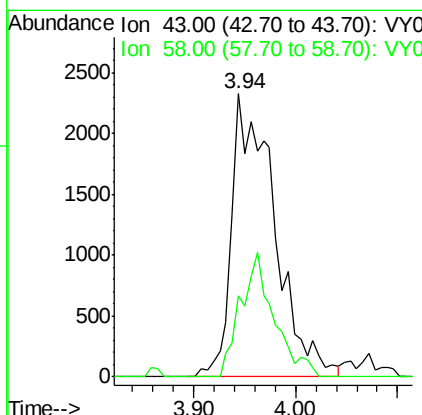
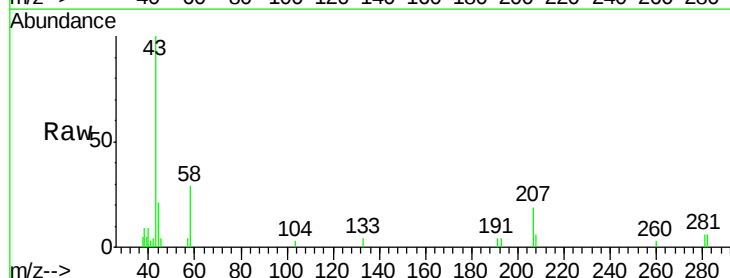
Tot Ion: 59 Resp: 595  
 Ion Ratio Lower Upper  
 59 100  
 57 13.6 8.0 12.0#

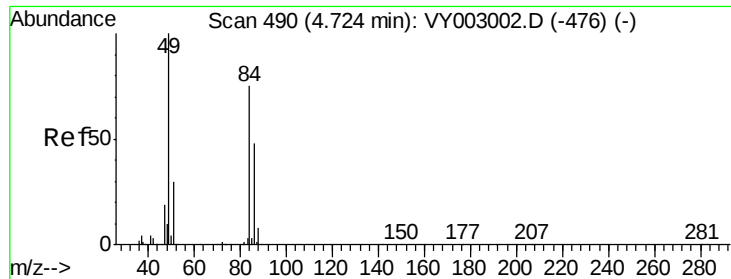


#16

Acetone  
 Concen: 9.420 ug/l  
 RT: 3.94 min Scan# 362  
 Delta R.T. -0.01 min  
 Lab File: VY003071.D  
 Acq: 01 Jul 2020 20:10

Tgt Ion: 43 Resp: 6742  
 Ion Ratio Lower Upper  
 43 100  
 58 28.7 24.7 37.1

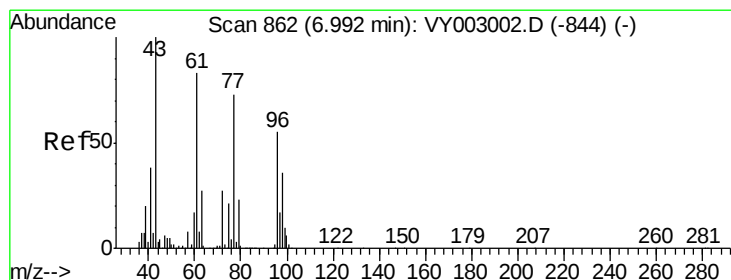
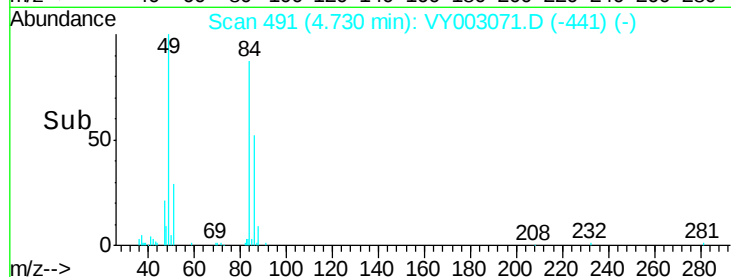
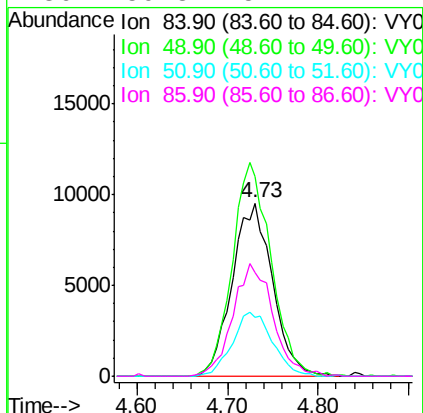
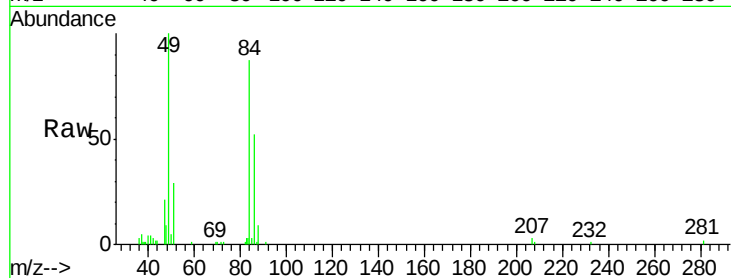




#20  
Methvlene Chloride  
Concen: 2.570 ug/l  
RT: 4.73 min Scan# 491  
Delta R.T. 0.01 min  
Lab File: VY003071.D  
Acq: 01 Jul 2020 20:10

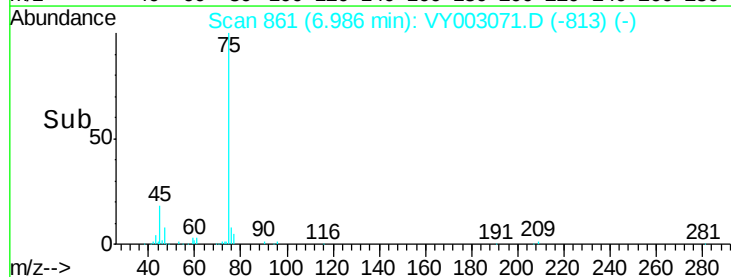
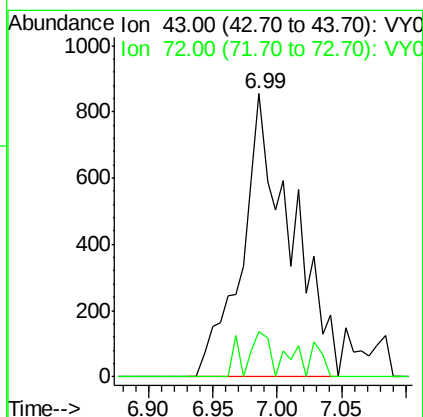
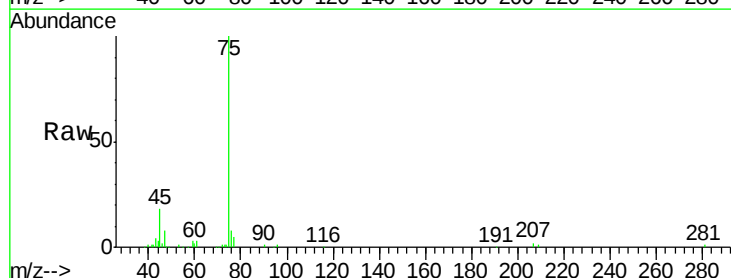
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP11-SS

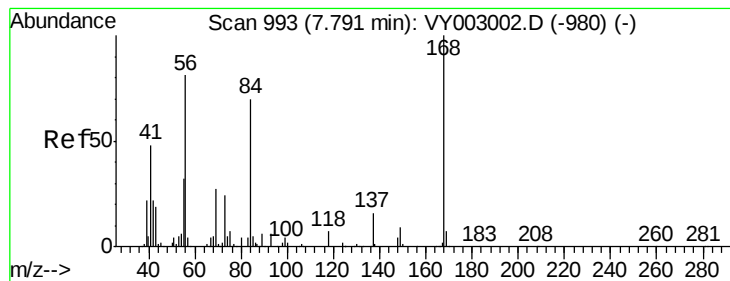
Tot Ion: 84 Resp: 29328  
Ion Ratio Lower Upper  
84 100  
49 114.4 106.8 160.2  
51 33.9 32.0 48.0  
86 59.8 51.4 77.2



#25  
2-Butanone  
Concen: 1.987 ug/l  
RT: 6.99 min Scan# 861  
Delta R.T. -0.01 min  
Lab File: VY003071.D  
Acq: 01 Jul 2020 20:10

Tgt Ion: 43 Resp: 2259  
Ion Ratio Lower Upper  
43 100  
72 16.2 21.4 32.0#





#31

Cyclohexane

Concen: 1.109 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003071.D

Acq: 01 Jul 2020 20:10

Instrument :

MSVOA\_Y

ClientSampleId :

TP11-SS

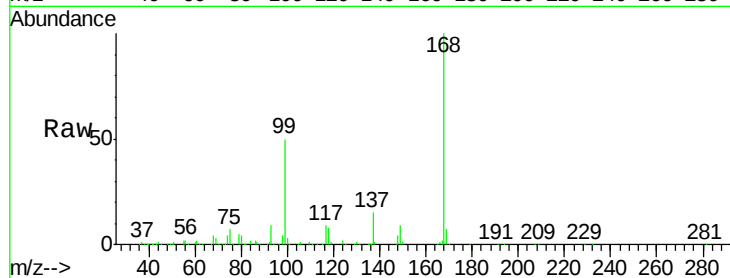
Tot Ion: 56 Resp: 5918

Ion Ratio Lower Upper

56 100

69 142.8 27.0 40.4#

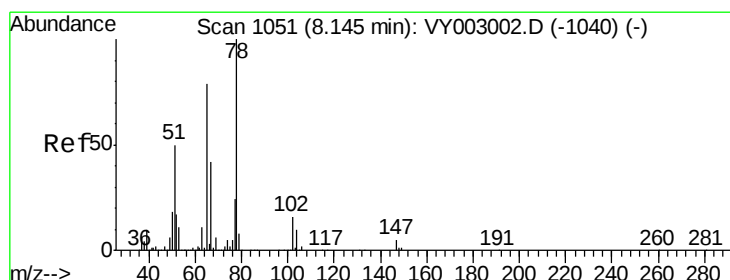
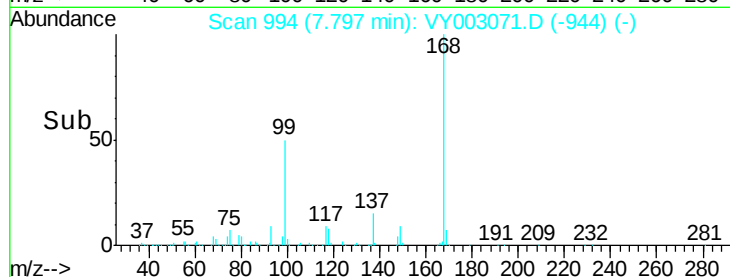
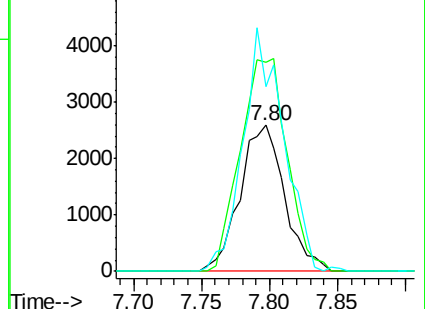
84 126.2 68.1 102.1#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 56.391 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003071.D

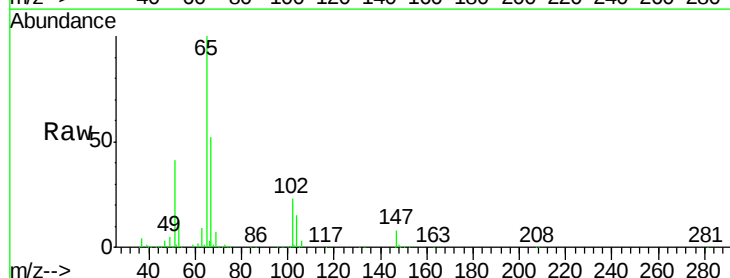
Acq: 01 Jul 2020 20:10

Tgt Ion: 65 Resp: 171127

Ion Ratio Lower Upper

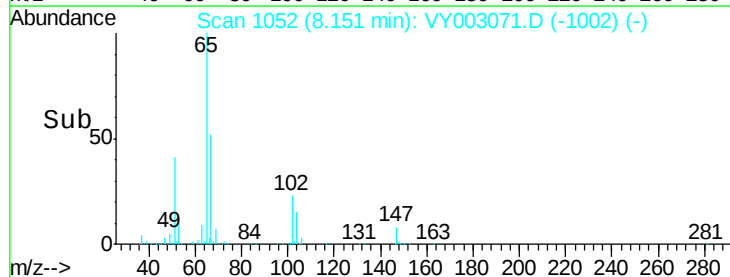
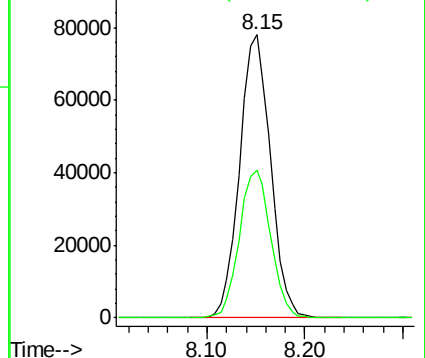
65 100

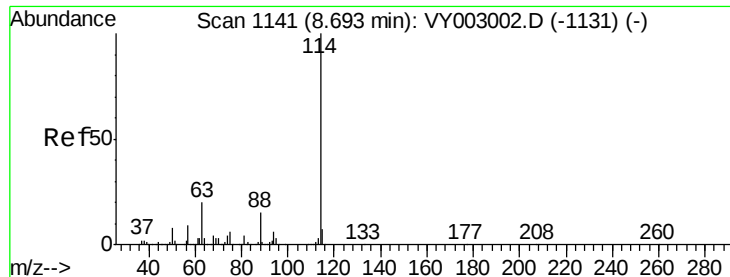
67 52.9 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

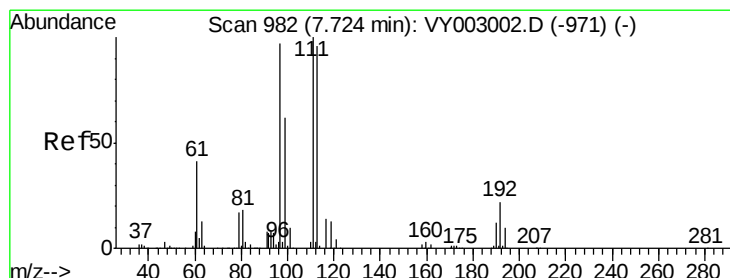
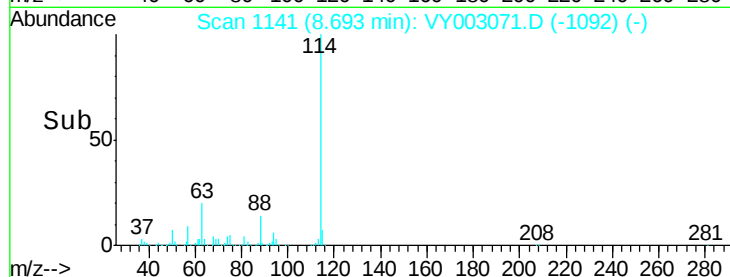
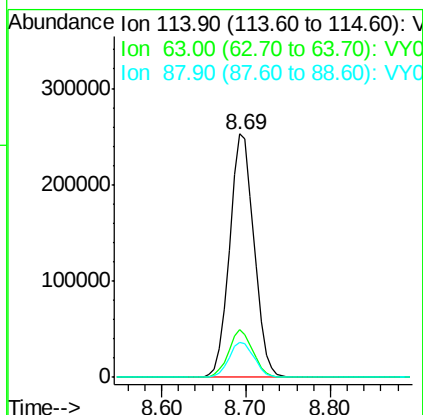
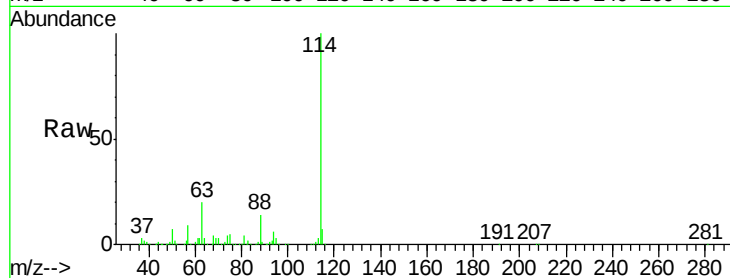




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.00 min  
 Lab File: VY003071.D  
 Acq: 01 Jul 2020 20:10

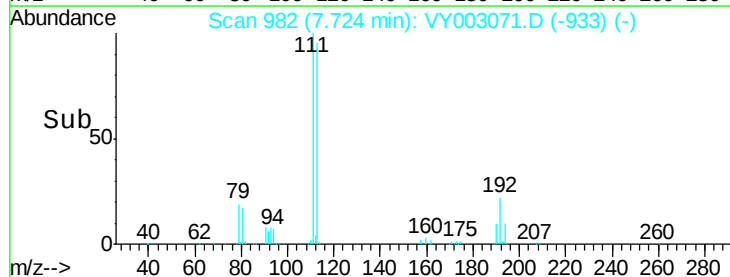
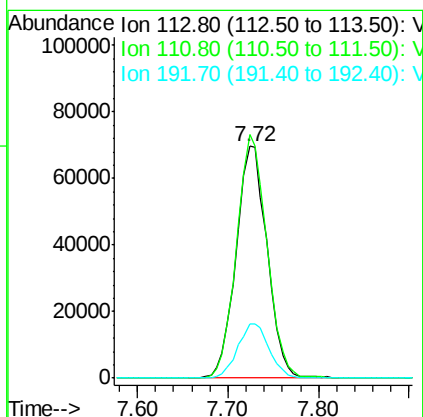
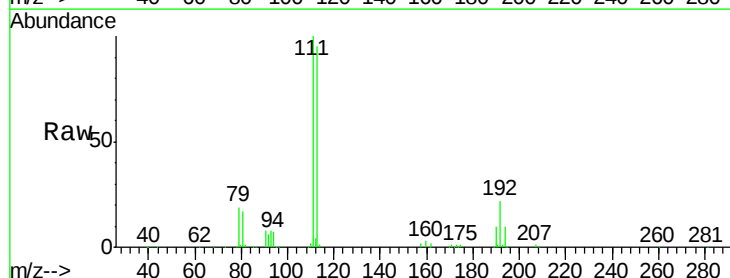
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP11-SS

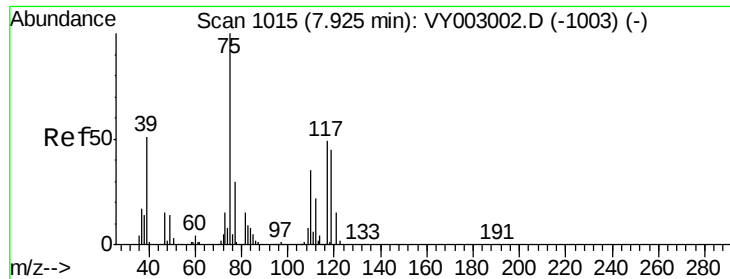
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.8  | 0.0   | 40.6  |
| 88      | 14.2  | 0.0   | 30.0  |



#35  
 Dibromofluoromethane  
 Concen: 53.416 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VY003071.D  
 Acq: 01 Jul 2020 20:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 82.6  | 123.8 |
| 192     | 23.6  | 18.1  | 27.1  |





#36

1,1-Dichloropropene

Concen: 4.468 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003071.D

Acq: 01 Jul 2020 20:10

Instrument :

MSVOA\_Y

ClientSampleId :

TP11-SS

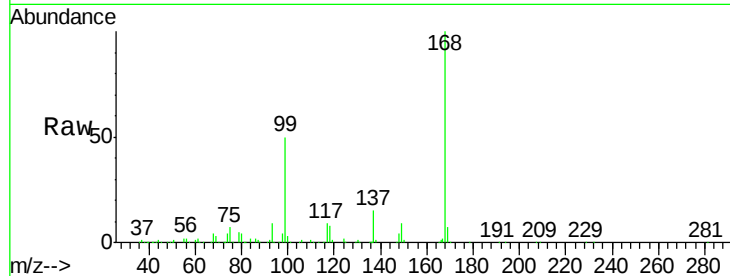
Tot Ion: 75 Resp: 21374

Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.2#

77 0.0 24.9 37.3#

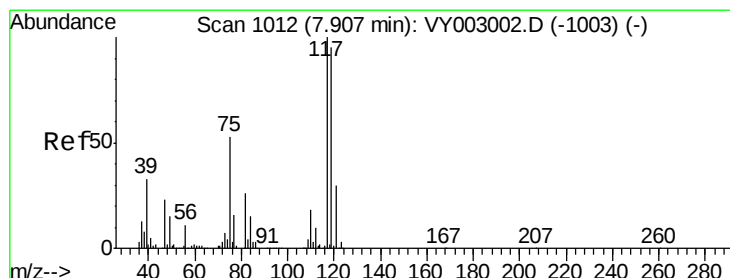
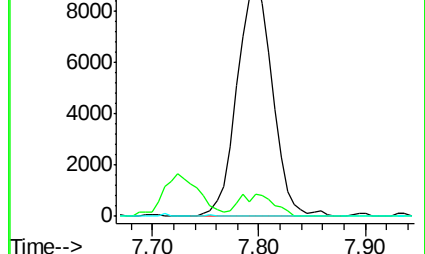
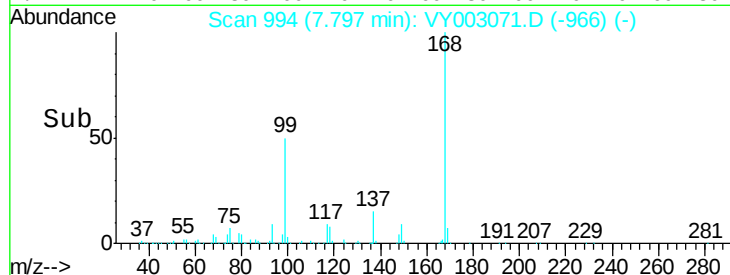


Abundance Ion 74.90 (74.60 to 75.60): VY003071.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003071.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003071.D (-966) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.729 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY003071.D

Acq: 01 Jul 2020 20:10

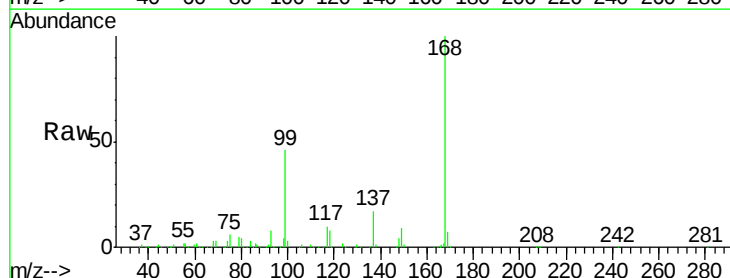
Tgt Ion: 117 Resp: 28517

Ion Ratio Lower Upper

117 100

119 4.6 75.7 113.5#

121 0.0 23.9 35.9#

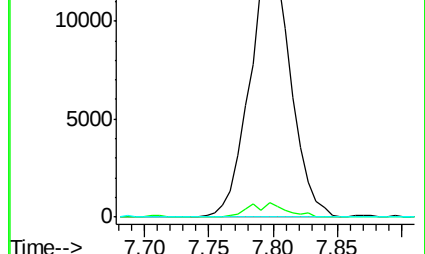
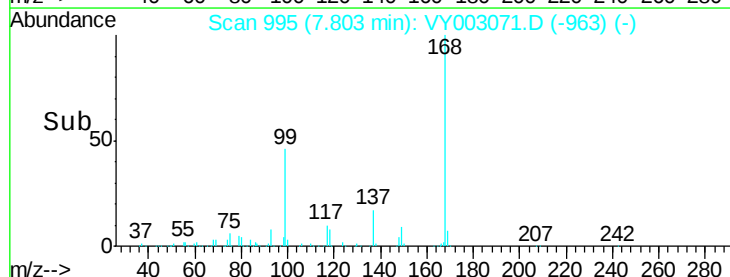


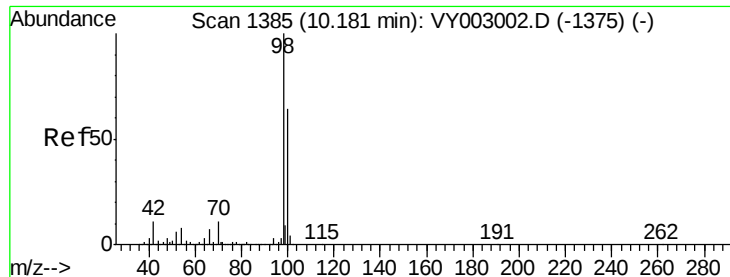
Abundance Ion 116.80 (116.50 to 117.50): VY003071.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003071.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003071.D (-963) (-)

Time-->





#50

Toluene-d8

Concen: 52.141 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003071.D

Acq: 01 Jul 2020 20:10

Instrument :

MSVOA\_Y

ClientSampleId :

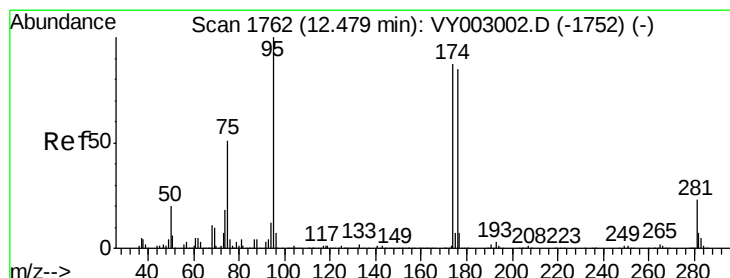
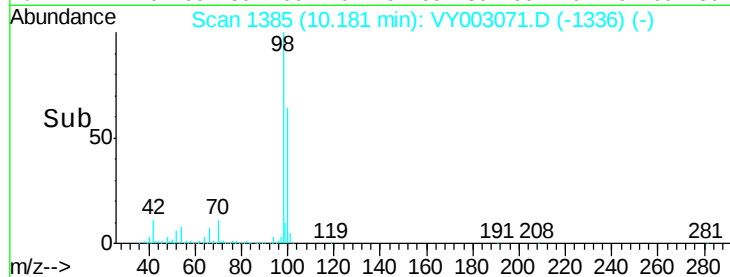
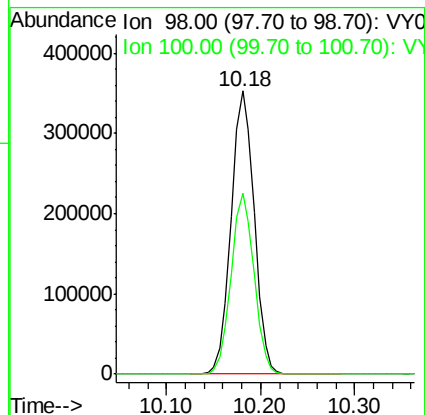
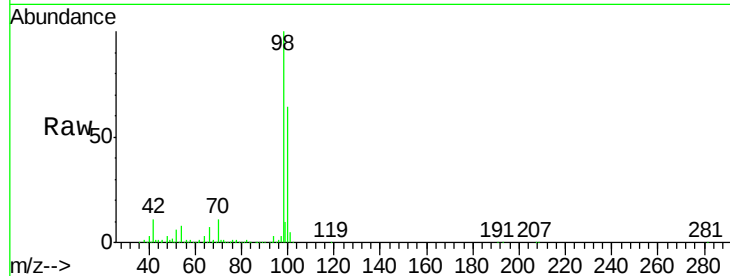
TP11-SS

Tot Ion: 98 Resp: 601860

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 53.218 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003071.D

Acq: 01 Jul 2020 20:10

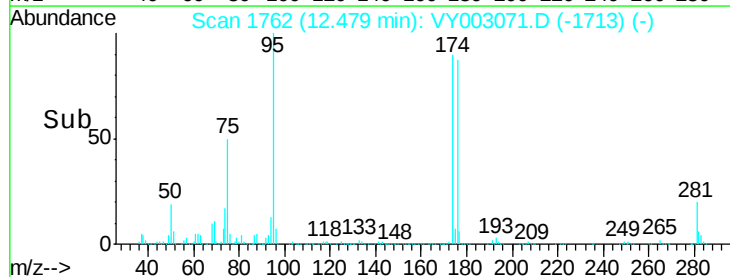
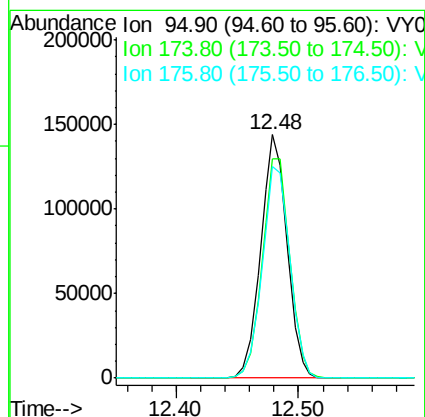
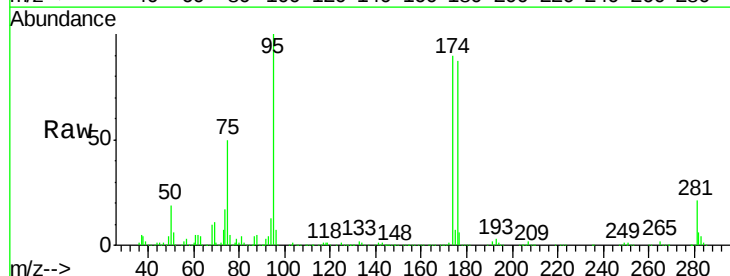
Tgt Ion: 95 Resp: 216231

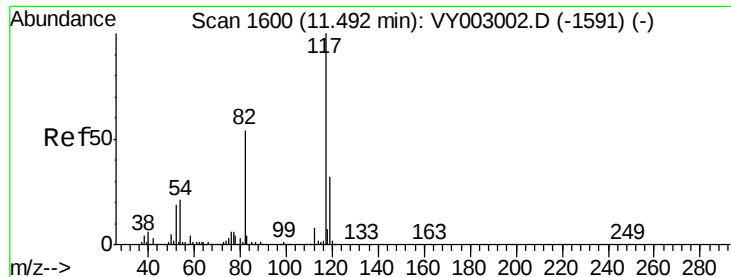
Ion Ratio Lower Upper

95 100

174 94.5 0.0 184.8

176 91.4 0.0 183.0

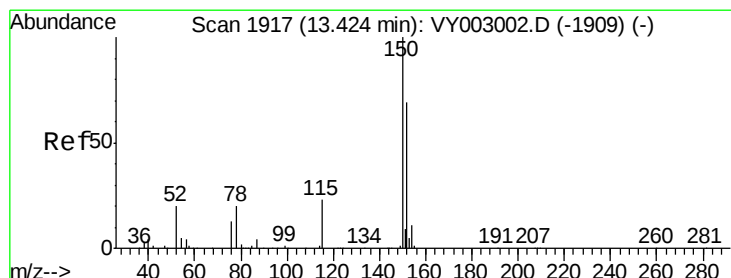
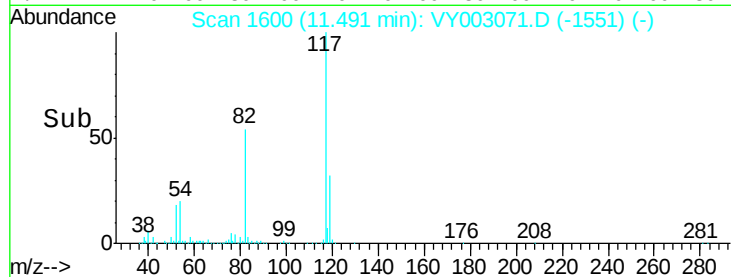
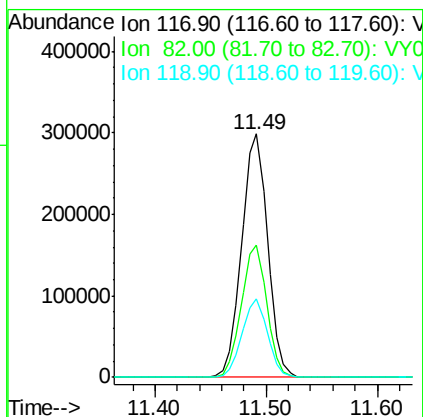
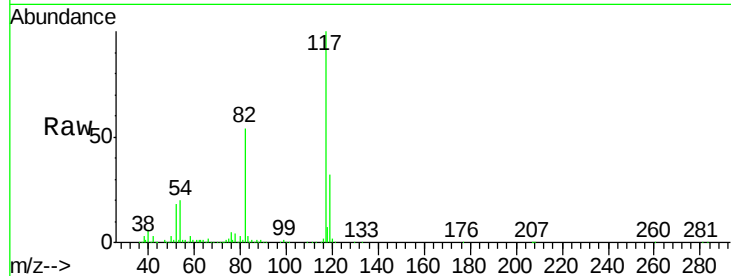




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY003071.D  
Acq: 01 Jul 2020 20:10

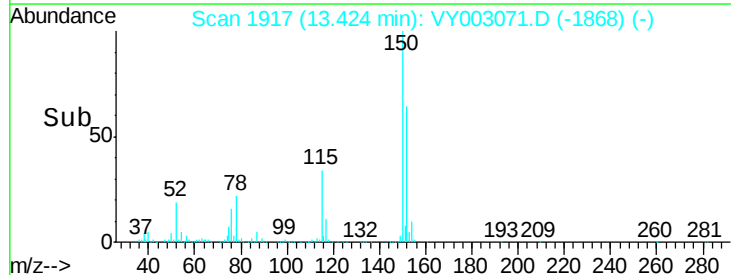
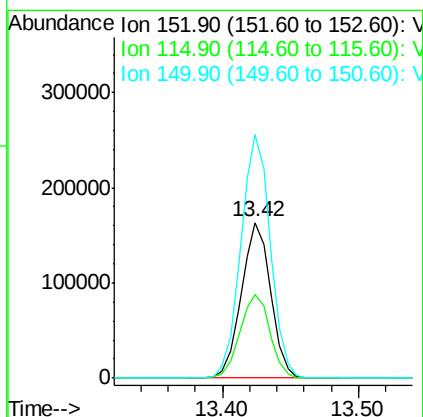
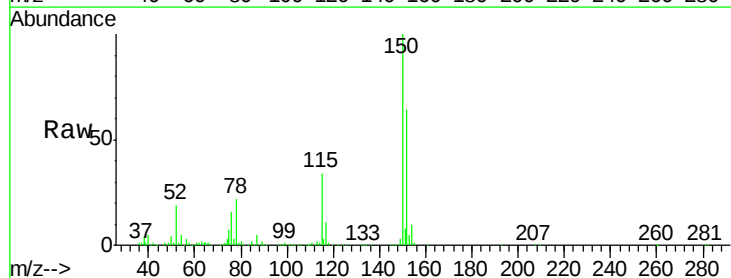
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP11-SS

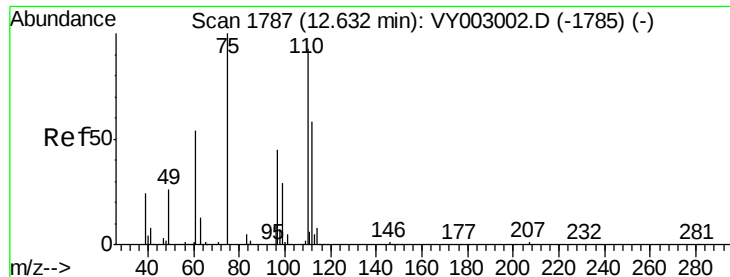
Tot Ion:117 Resp: 482182  
Ion Ratio Lower Upper  
117 100  
82 54.3 43.0 64.6  
119 32.2 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY003071.D  
Acq: 01 Jul 2020 20:10

Tgt Ion:152 Resp: 245552  
Ion Ratio Lower Upper  
152 100  
115 54.9 27.3 81.9  
150 157.2 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 45.933 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003071.D

Acq: 01 Jul 2020 20:10

Instrument :

MSVOA\_Y

ClientSampled :

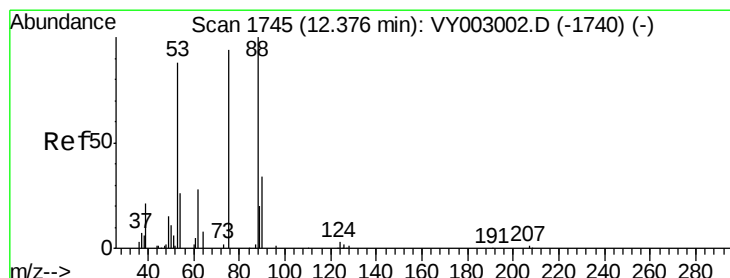
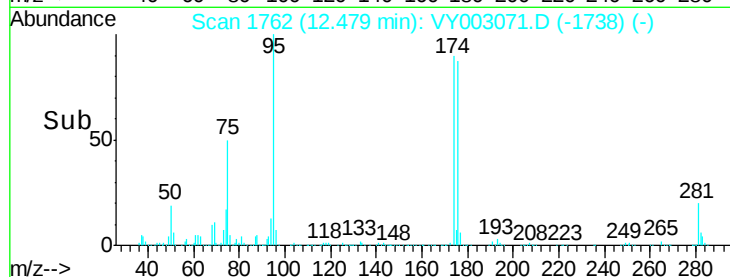
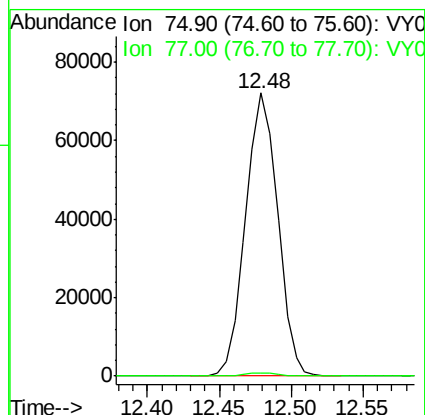
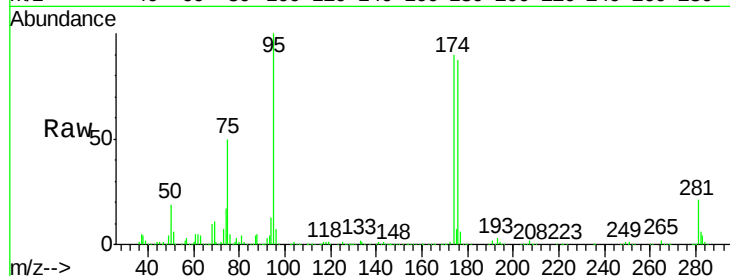
TP11-SS

Tot Ion: 75 Resp: 111626

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.366 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003071.D

Acq: 01 Jul 2020 20:10

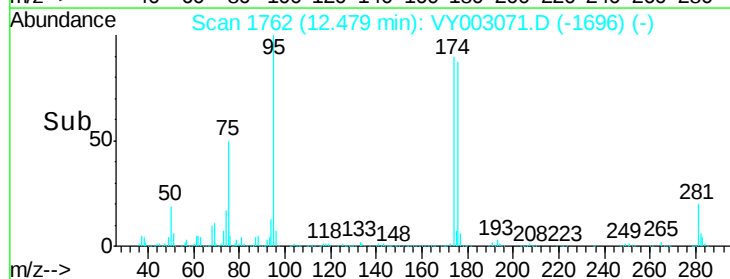
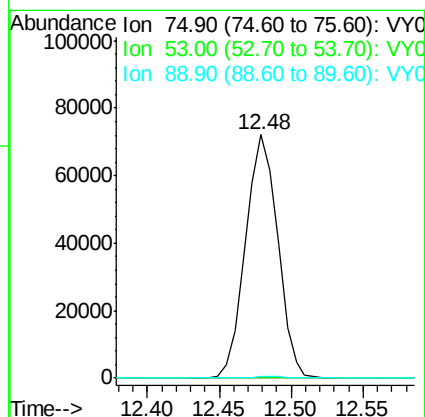
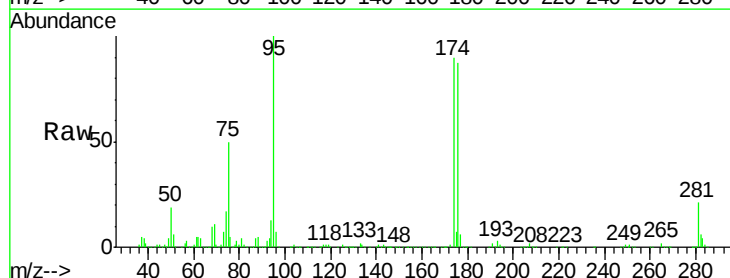
Tgt Ion: 75 Resp: 111626

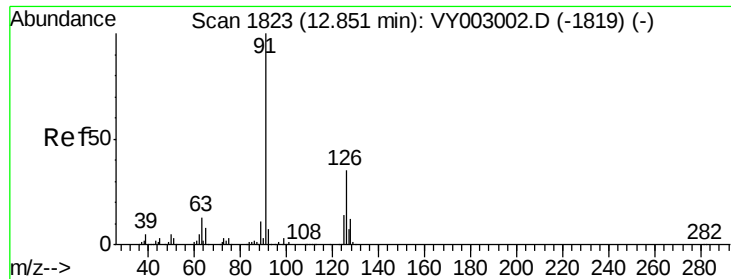
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.7 37.5 56.3#





#82  
 4-Chlorotoluene  
 Concen: 1.073 ug/l  
 RT: 12.85 min Scan# 1823  
 Delta R.T. -0.00 min  
 Lab File: VY003071.D  
 Acq: 01 Jul 2020 20:10

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP11-SS

Tot Ion: 91 Resp: 12052  
 Ion Ratio Lower Upper  
 91 100  
 126 35.6 17.4 52.3

