

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072320\  
 Data File : VY003315.D  
 Acq On : 23 Jul 2020 14:46  
 Operator : SY/MD  
 Sample : L3380-05  
 Misc : 7.81G/5ML/MSVOA Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-242

Quant Time: Jul 24 05:31:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 10 13:18:03 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 438580   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 679817   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 573165   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 188612   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.14  | 65   | 212262   | 57.34 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 114.68% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 208597   | 53.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 106.64% |          |
| 50) Toluene-d8              | 10.18 | 98   | 806810   | 55.47 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 110.94% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 213032   | 40.54 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 81.08%  |          |

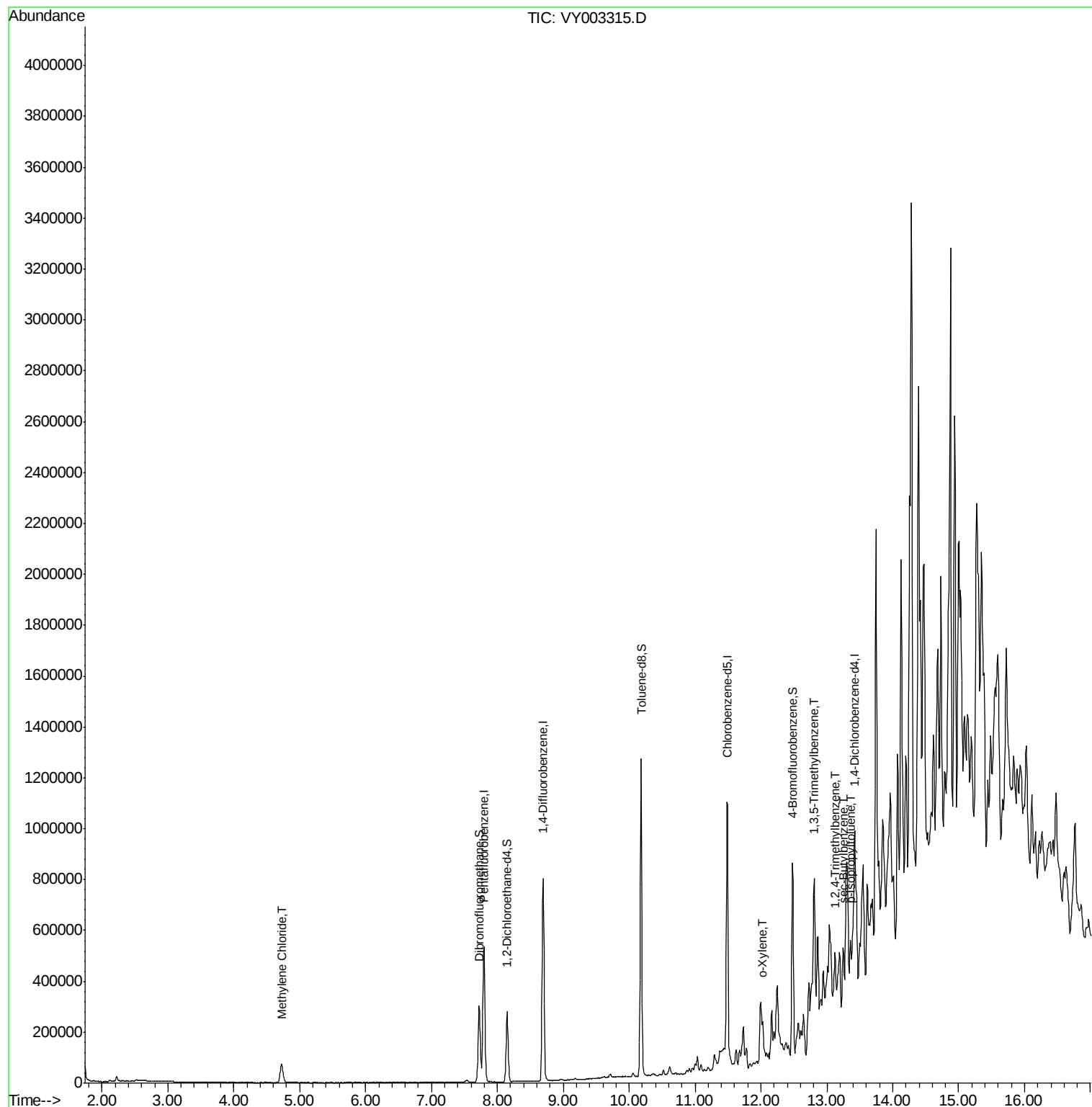
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 20) Methylene Chloride     | 4.72  | 84   | 55948    | 8.935 | ug/l  | 91     |
| 69) o-Xylene               | 12.03 | 106  | 15777    | 2.258 | ug/l  | 98     |
| 80) 1,3,5-Trimethylbenzene | 12.81 | 105  | 39817    | 3.975 | ug/l  | 97     |
| 84) 1,2,4-Trimethylbenzene | 13.12 | 105  | 64040    | 6.353 | ug/l  | 99     |
| 85) sec-Butylbenzene       | 13.25 | 105  | 15458    | 1.272 | ug/l  | 90     |
| 86) p-Isopropyltoluene     | 13.37 | 119  | 45315    | 3.995 | ug/l  | 92     |

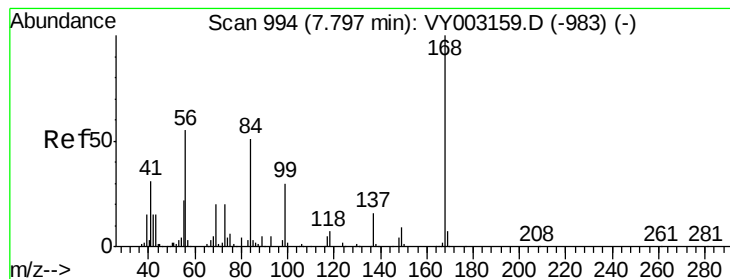
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072320\  
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Sample : L3380-05  
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MSVOA\_Y  
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VNJ-242

Quant Time: Jul 24 05:31:56 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 10 13:18:03 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: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA\_Y

ClientSampleId :

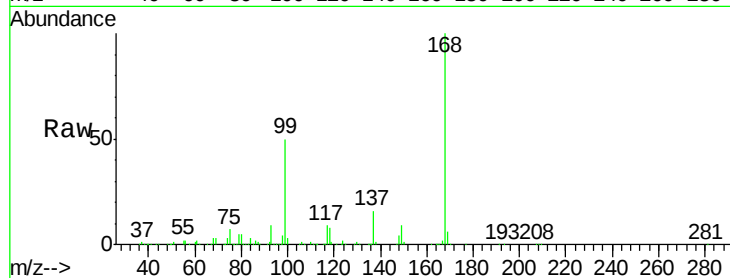
VNJ-242

Tot Ion:168 Resp: 438580

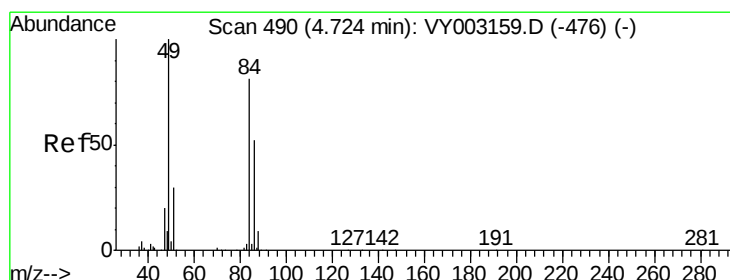
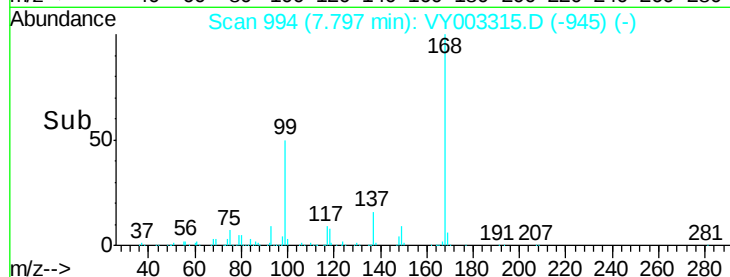
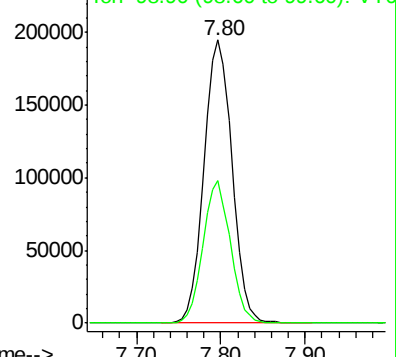
Ion Ratio Lower Upper

168 100

99 50.2 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003315.D (-983) (-)



#20

Methylene Chloride

Concen: 8.935 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Tgt Ion: 84 Resp: 55948

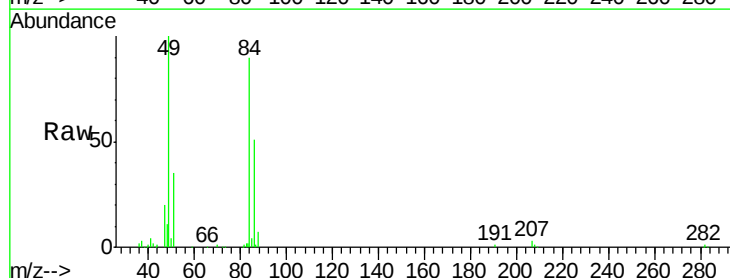
Ion Ratio Lower Upper

84 100

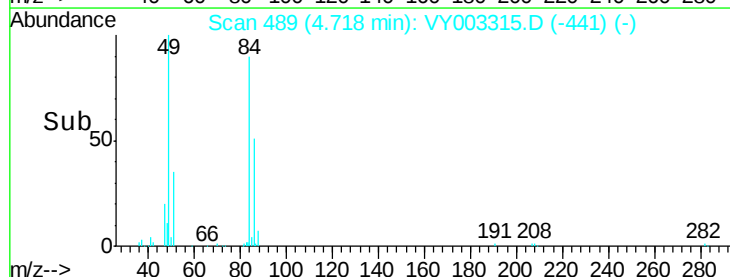
49 111.2 98.2 147.4

51 38.4 29.8 44.6

86 57.1 51.2 76.8



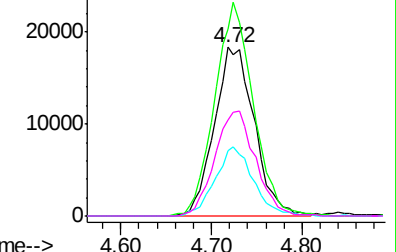
Abundance Ion 83.90 (83.60 to 84.60): VY003315.D (-476) (-)

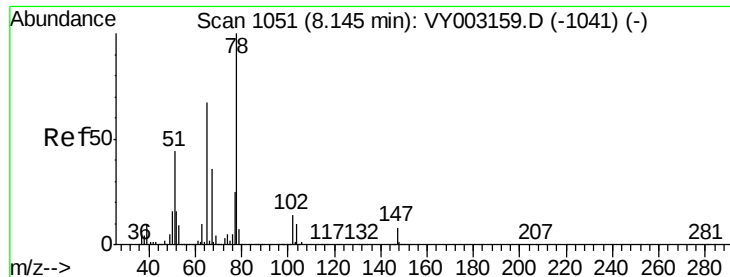


Ion 48.90 (48.60 to 49.60): VY003315.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY003315.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY003315.D (-476) (-)

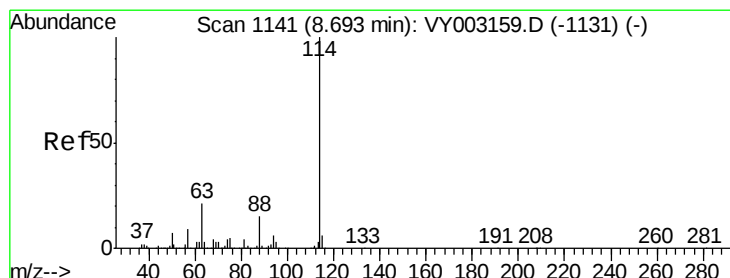
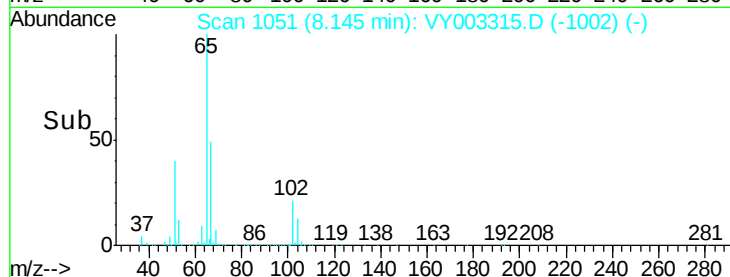
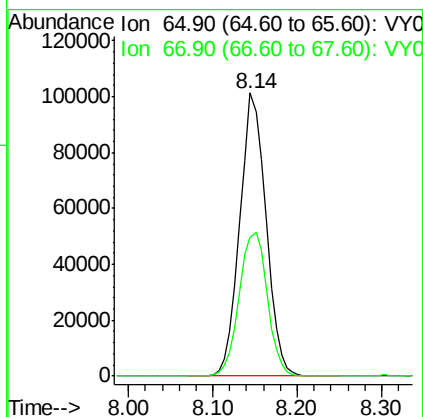
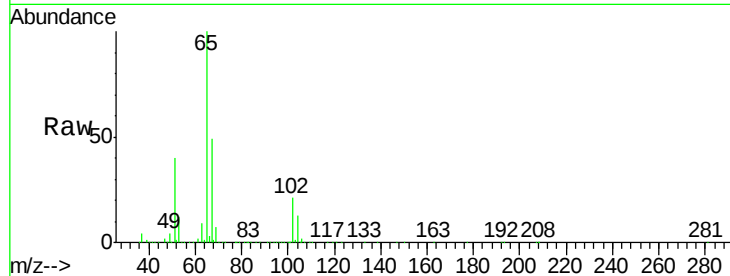




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.341 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VY003315.D  
 Acq: 23 Jul 2020 14:46

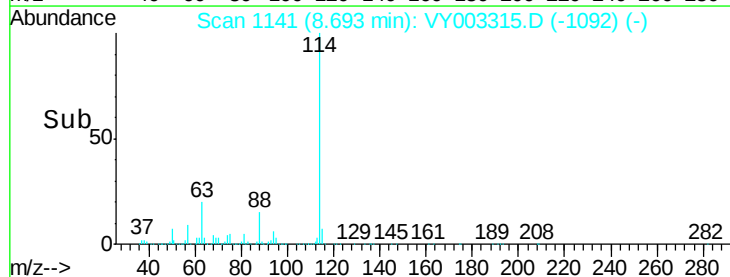
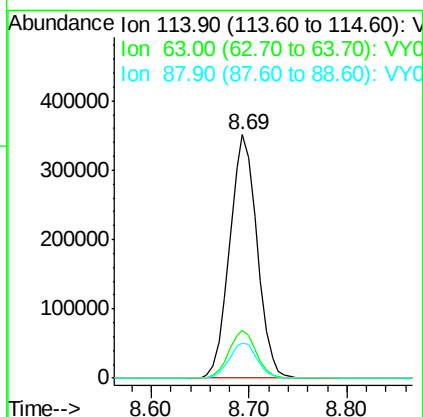
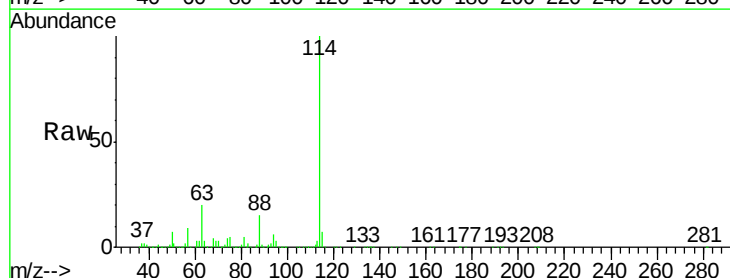
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 VNJ-242

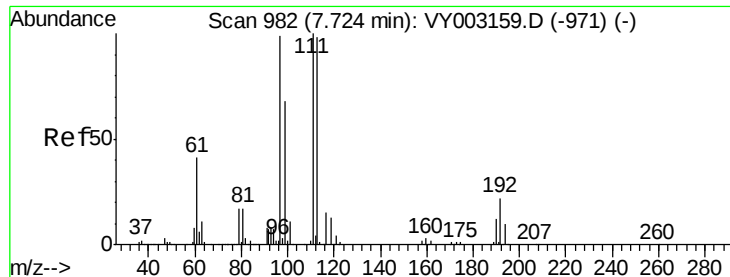
Tot Ion: 65 Resp: 212262  
 Ion Ratio Lower Upper  
 65 100  
 67 54.3 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY003315.D  
 Acq: 23 Jul 2020 14:46

Tgt Ion: 114 Resp: 679817  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 41.2  
 88 14.6 0.0 30.2

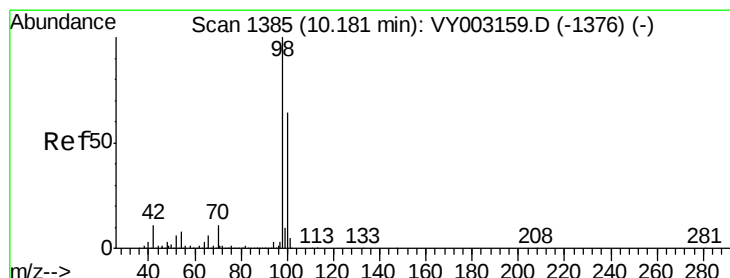
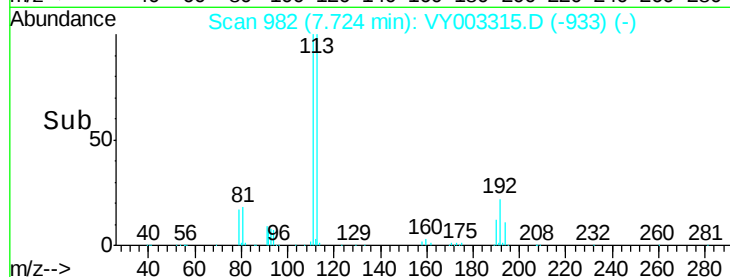
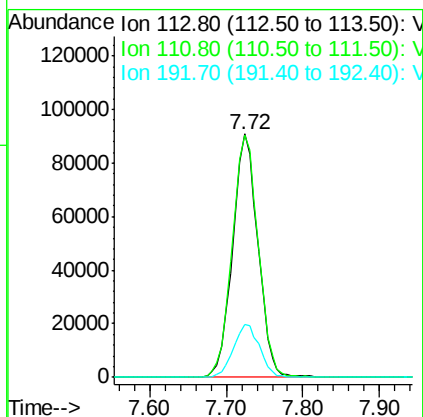
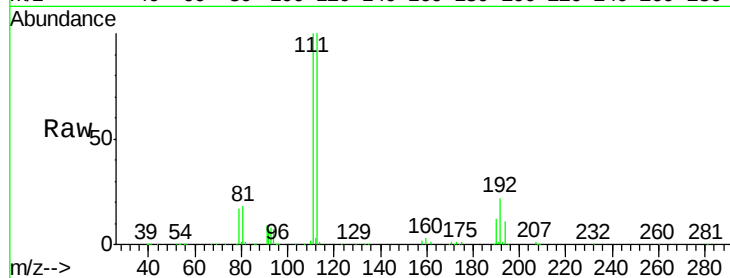




#35  
Dibromofluoromethane  
Concen: 53.320 ug/l  
RT: 7.72 min Scan# 982  
Delta R.T. 0.00 min  
Lab File: VY003315.D  
Acq: 23 Jul 2020 14:46

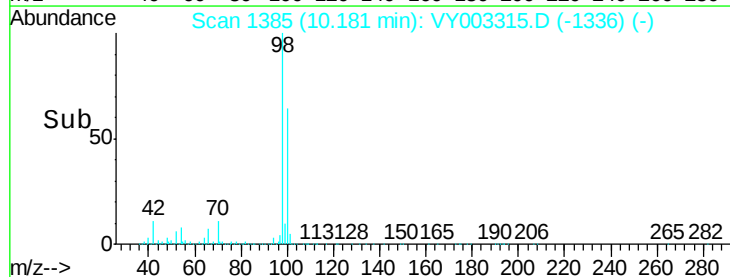
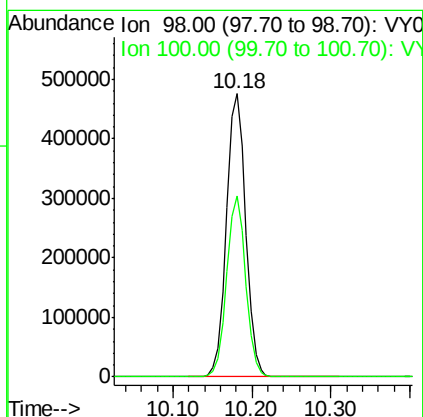
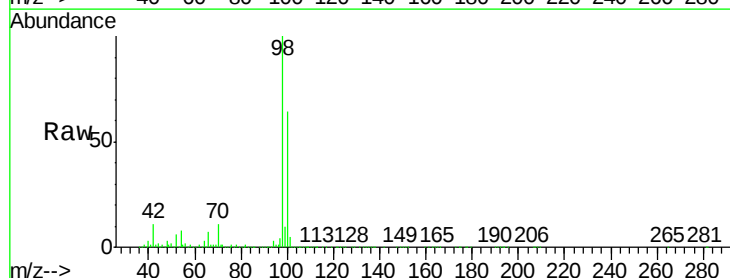
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-242

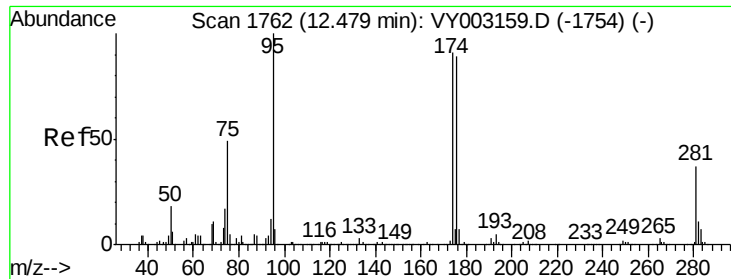
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 82.1  | 123.1 |
| 192     | 22.3  | 18.8  | 28.2  |



#50  
Toluene-d8  
Concen: 55.471 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VY003315.D  
Acq: 23 Jul 2020 14:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.1  | 50.7  | 76.1  |

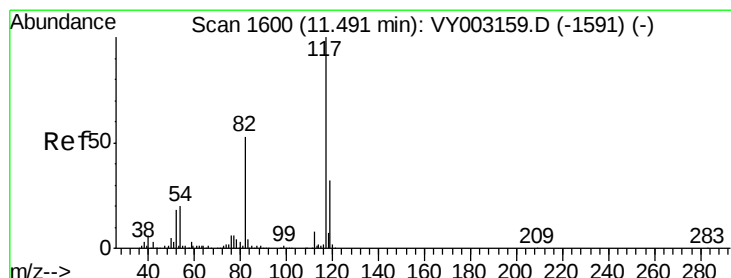
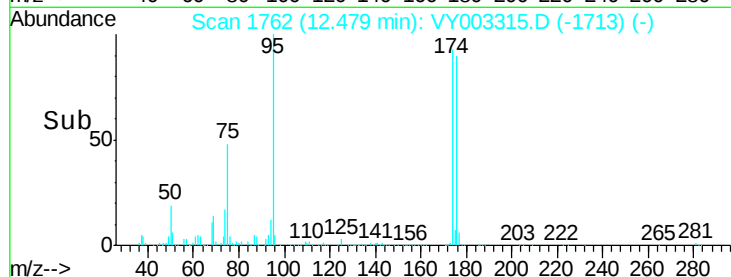
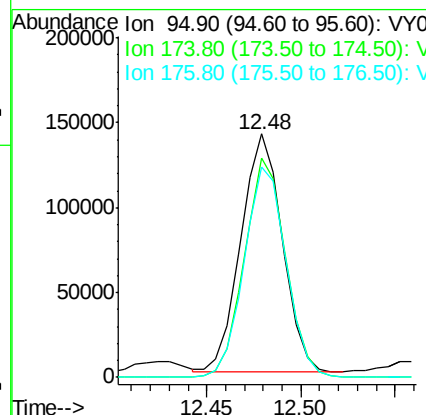
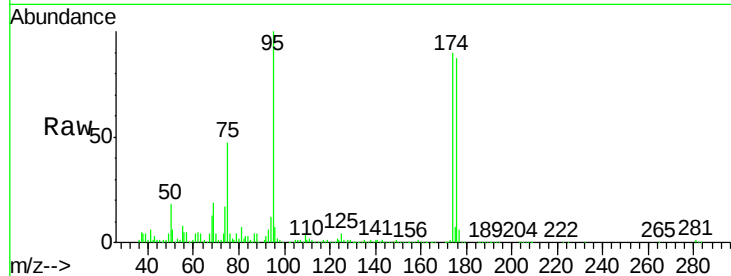




#62  
4-Bromofluorobenzene  
Concen: 40.543 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: VY003315.D  
Acq: 23 Jul 2020 14:46

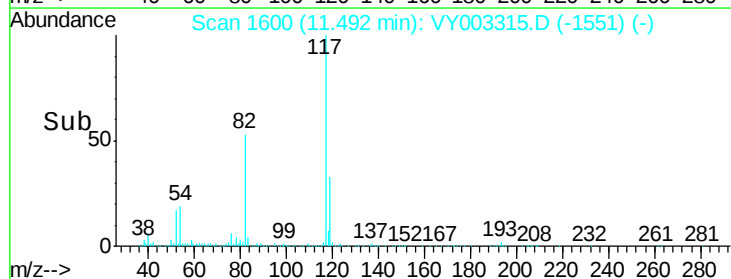
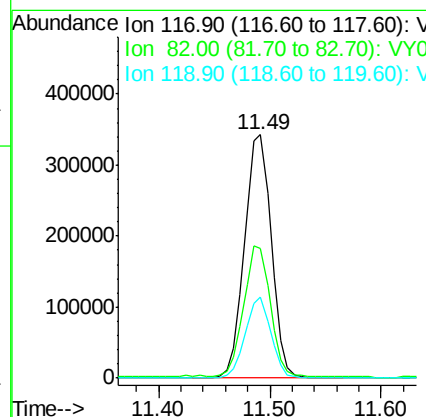
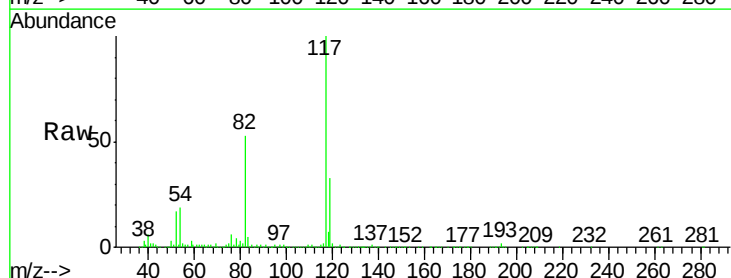
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-242

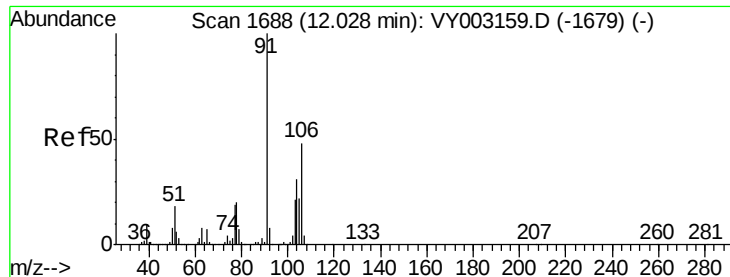
| Tot Ion | 95    | Resp  | 213032 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 95      | 100   |       |        |
| 174     | 92.3  | 0.0   | 190.6  |
| 176     | 89.8  | 0.0   | 186.4  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY003315.D  
Acq: 23 Jul 2020 14:46

| Tgt Ion | 117   | Resp  | 573165 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 117     | 100   |       |        |
| 82      | 52.6  | 42.0  | 63.0   |
| 119     | 33.1  | 25.5  | 38.3   |

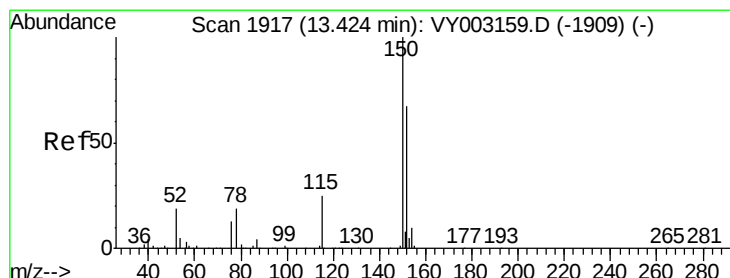
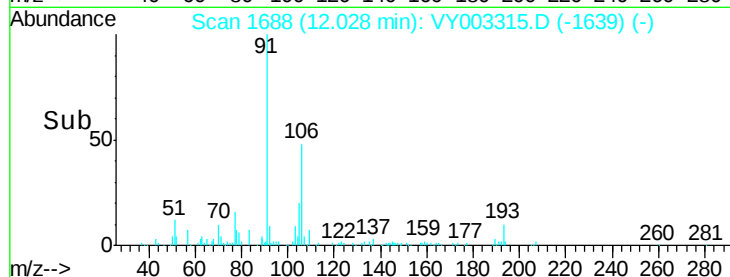
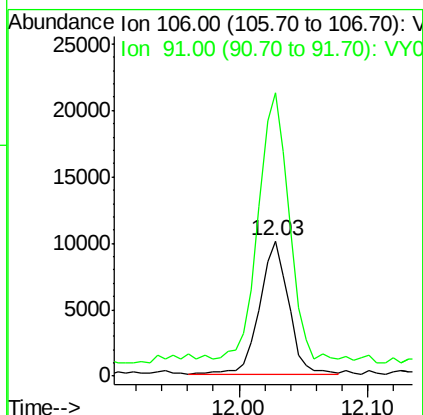
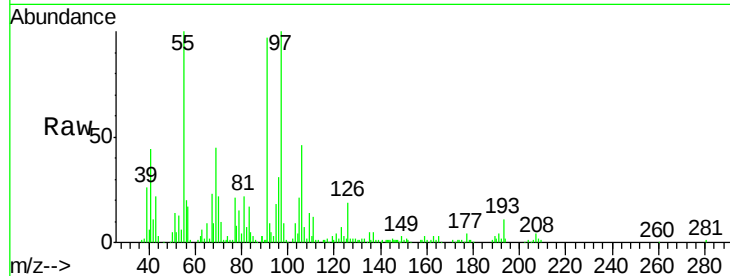




#69  
o-Xylene  
Concen: 2.258 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VY003315.D  
Acq: 23 Jul 2020 14:46

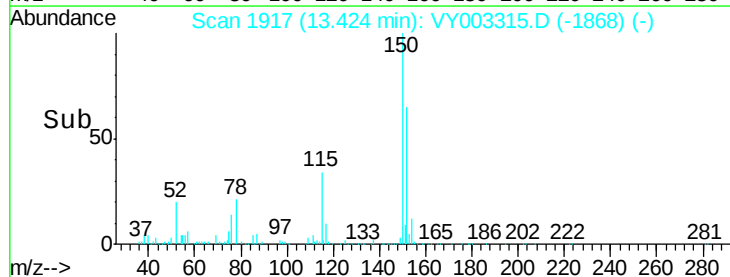
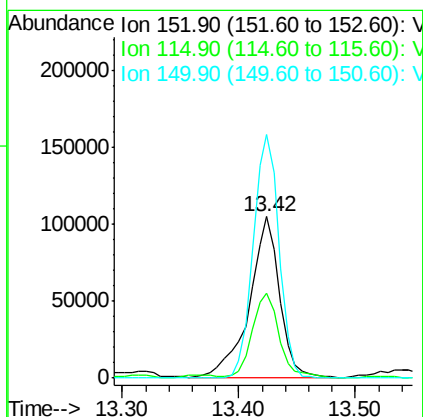
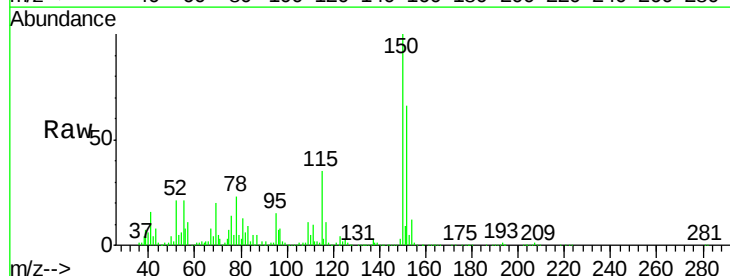
Instrument :  
MSVOA\_Y  
ClientSampled :  
VNJ-242

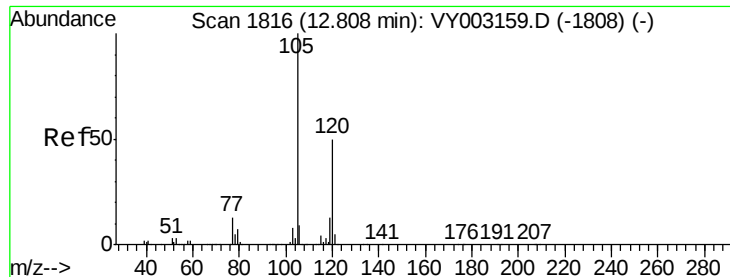
Tot Ion:106 Resp: 15777  
Ion Ratio Lower Upper  
106 100  
91 213.8 105.1 315.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY003315.D  
Acq: 23 Jul 2020 14:46

Tgt Ion:152 Resp: 188612  
Ion Ratio Lower Upper  
152 100  
115 47.0 26.9 80.7  
150 129.6 0.0 338.0





#80

1,3,5-Trimethylbenzene

Concen: 3.975 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA\_Y

ClientSampleId :

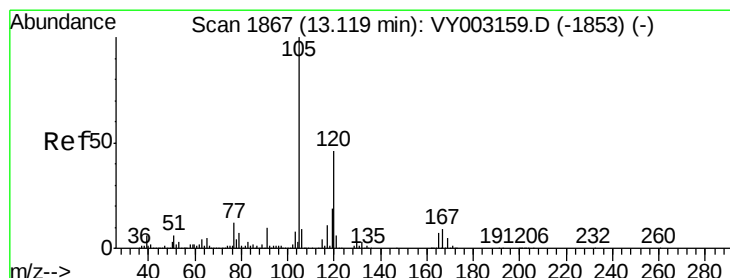
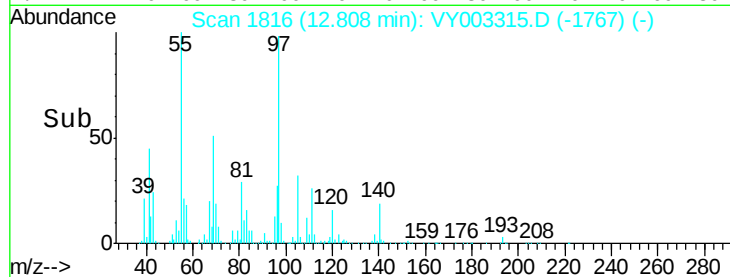
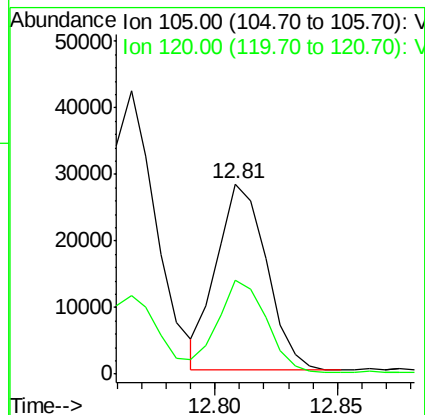
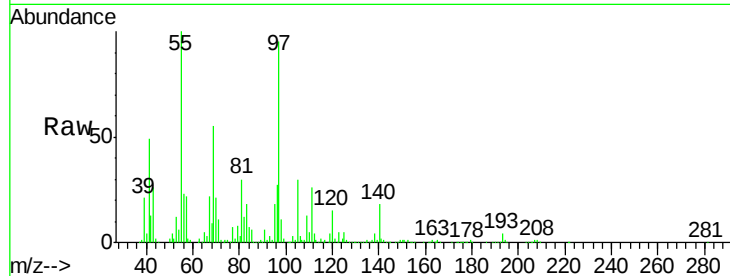
VNJ-242

Tot Ion:105 Resp: 39817

Ion Ratio Lower Upper

105 100

120 48.0 24.9 74.6



#84

1,2,4-Trimethylbenzene

Concen: 6.353 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY003315.D

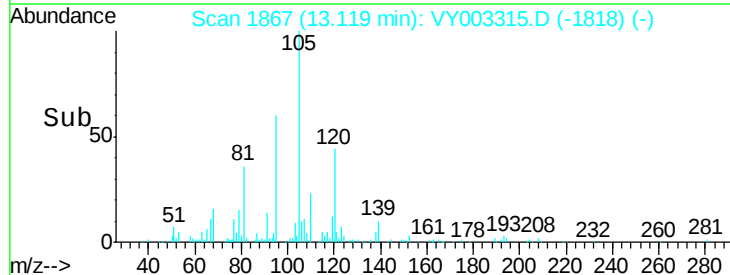
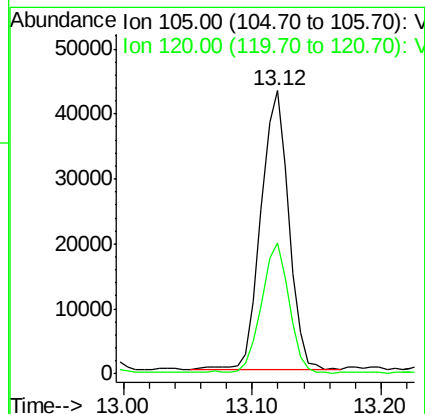
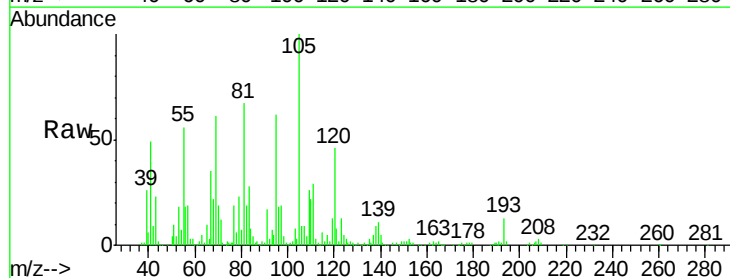
Acq: 23 Jul 2020 14:46

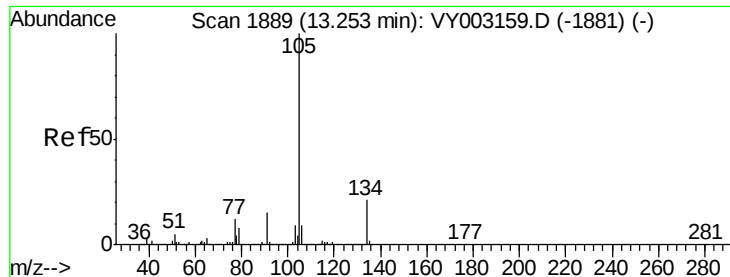
Tgt Ion:105 Resp: 64040

Ion Ratio Lower Upper

105 100

120 45.7 22.5 67.5





#85

sec-Butylbenzene

Concen: 1.272 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA\_Y

ClientSampleId :

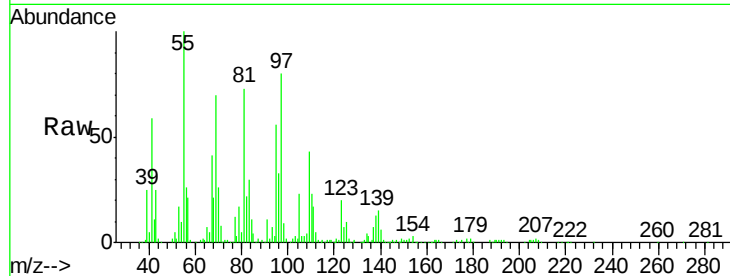
VNJ-242

Tot Ion:105 Resp: 15458

Ion Ratio Lower Upper

105 100

134 25.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12000

10000

8000

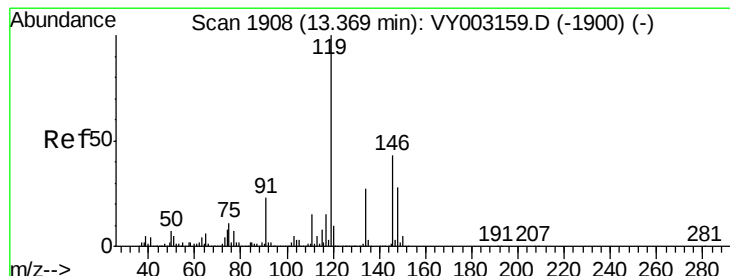
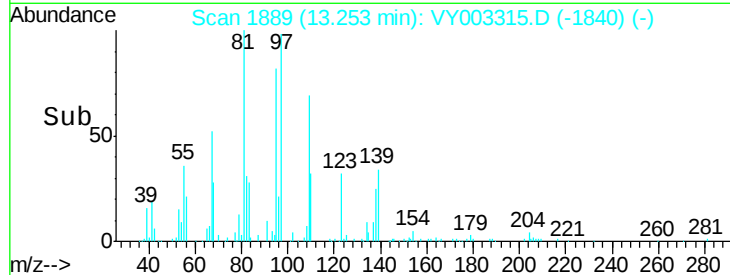
6000

4000

2000

0

Time-->



#86

p-Isopropyltoluene

Concen: 3.995 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

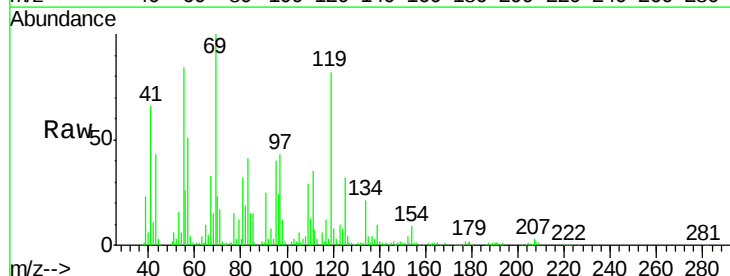
Tgt Ion:119 Resp: 45315

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 30.4 11.2 33.6



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

40000

30000

20000

10000

0

Time-->

