

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072320\  
 Data File : VY003312.D  
 Acq On : 23 Jul 2020 13:19  
 Operator : SY/MD  
 Sample : L3380-01  
 Misc : 9.92G/5ML/MSVOA Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-221

Quant Time: Jul 24 05:18:02 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

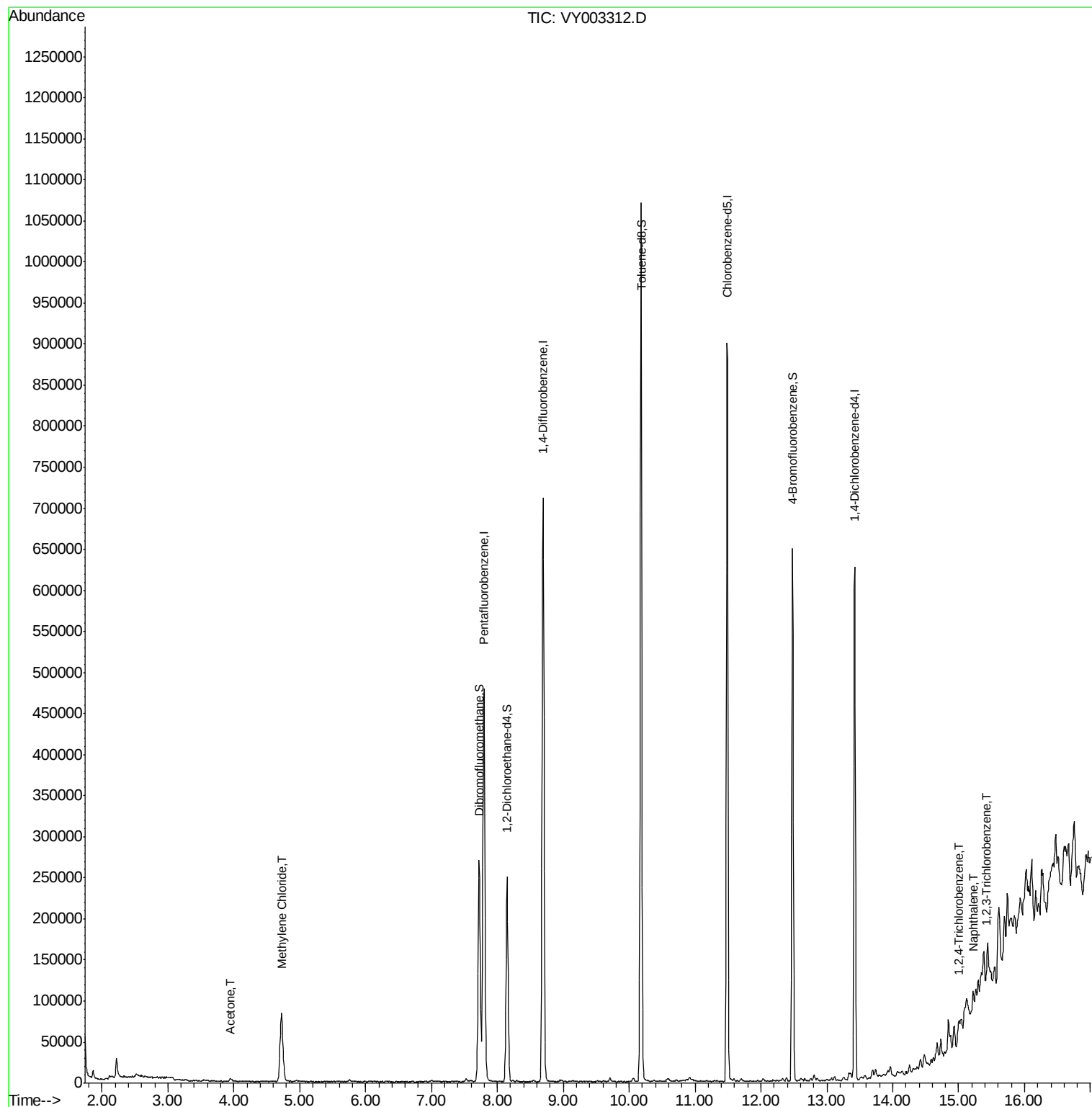
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 395193   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 607365   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 496171   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 165090   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.14  | 65   | 194073   | 58.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.36% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 186553   | 53.37  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.74% |          |
| 50) Toluene-d8              | 10.18 | 98   | 705629   | 54.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.60% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 183632   | 39.12  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 78.24%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.96  | 43   | 5531     | 7.423  | ug/l #  | 85       |
| 20) Methylene Chloride      | 4.72  | 84   | 62840    | 12.659 | ug/l    | 96       |
| 93) 1,2,4-Trichlorobenzene  | 15.00 | 180  | 4822     | 1.523  | ug/l    | 87       |
| 95) Naphthalene             | 15.23 | 128  | 10709    | 2.047  | ug/l #  | 87       |
| 96) 1,2,3-Trichlorobenzene  | 15.42 | 180  | 8096     | 3.235  | ug/l    | 81       |

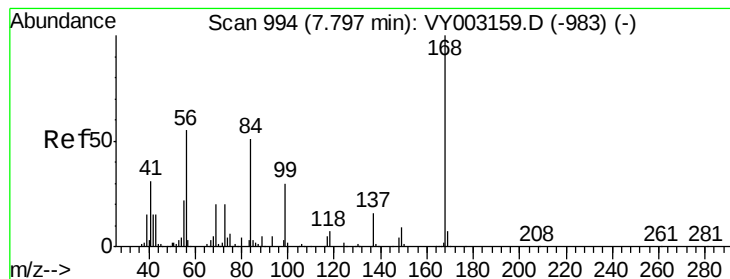
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072320\  
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Sample : L3380-01  
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MSVOA\_Y  
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Quant Time: Jul 24 05:18:02 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: VY003312.D

Acq: 23 Jul 2020 13:19

Instrument :

MSVOA\_Y

ClientSampleId :

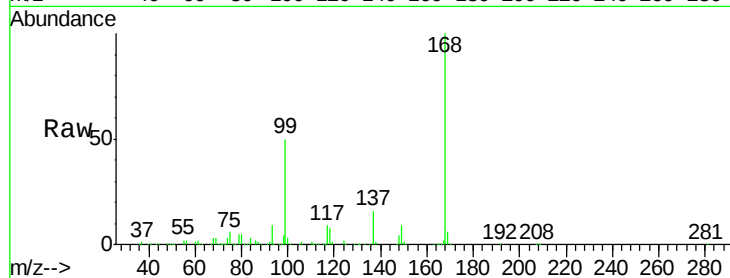
VNJ-221

Tot Ion:168 Resp: 395193

Ion Ratio Lower Upper

168 100

99 50.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003312.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003312.D (-945) (-)

7.80

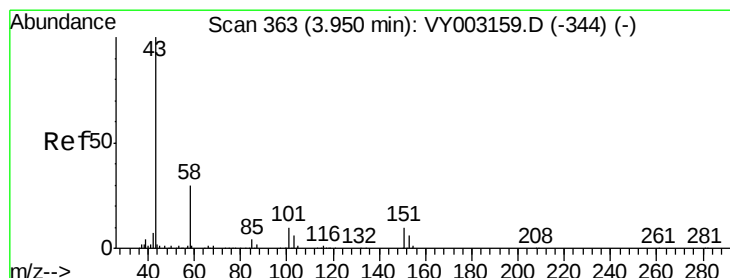
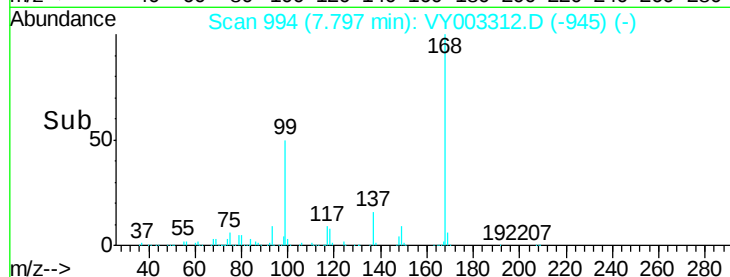
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.423 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003312.D

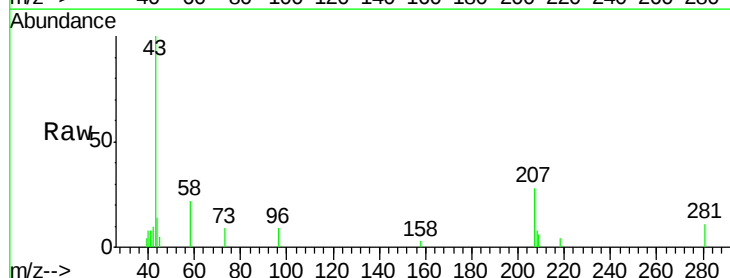
Acq: 23 Jul 2020 13:19

Tgt Ion: 43 Resp: 5531

Ion Ratio Lower Upper

43 100

58 21.8 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY003312.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003312.D (-314) (-)

3.96

2000

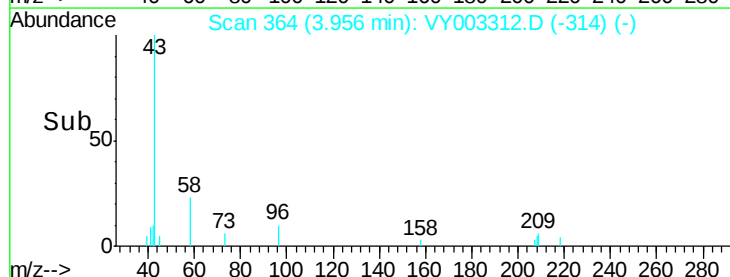
1500

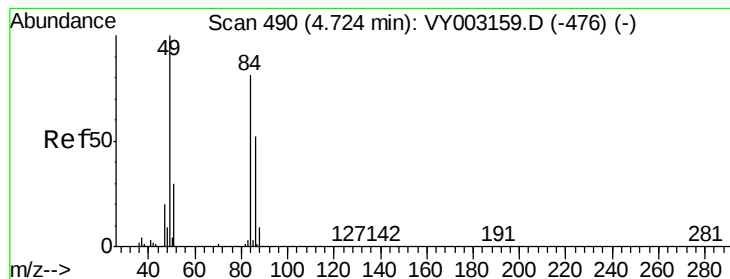
1000

500

0

Time-->





#20

Methylene Chloride

Concen: 12.659 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-221

Tot Ion: 84 Resp: 62840

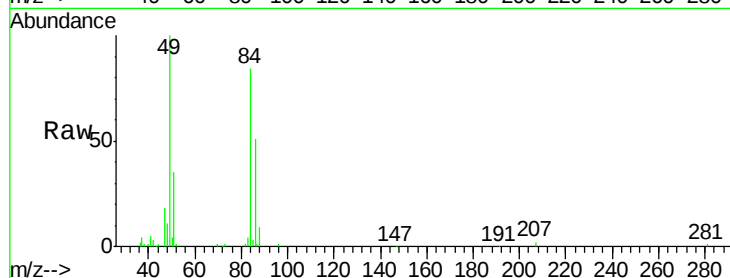
Ion Ratio Lower Upper

84 100

49 119.3 98.2 147.4

51 41.6 29.8 44.6

86 61.1 51.2 76.8

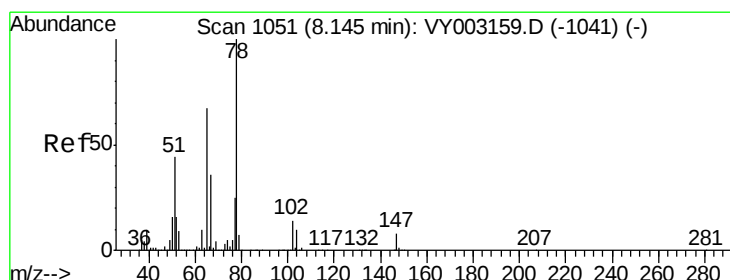
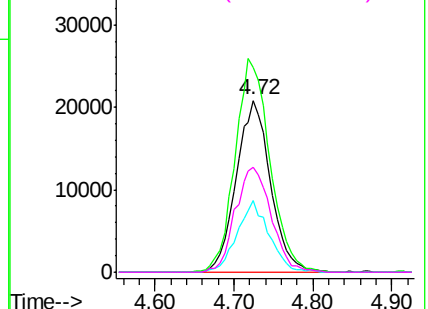
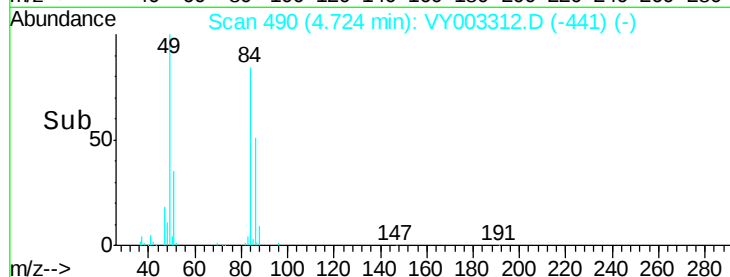


Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 58.183 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003312.D

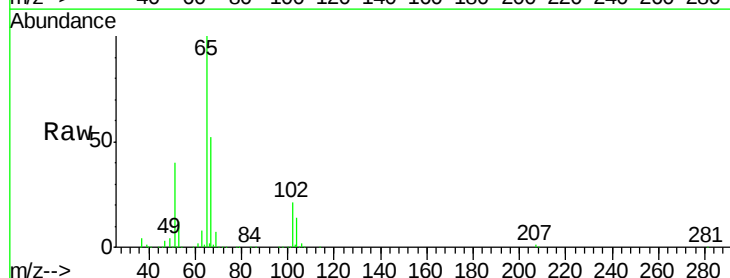
Acq: 23 Jul 2020 13:19

Tgt Ion: 65 Resp: 194073

Ion Ratio Lower Upper

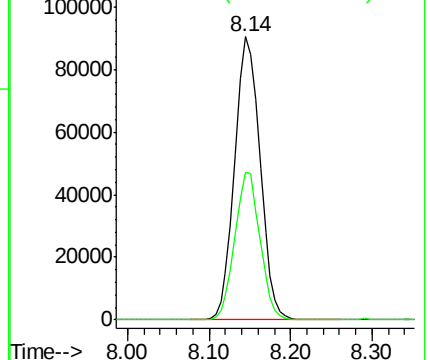
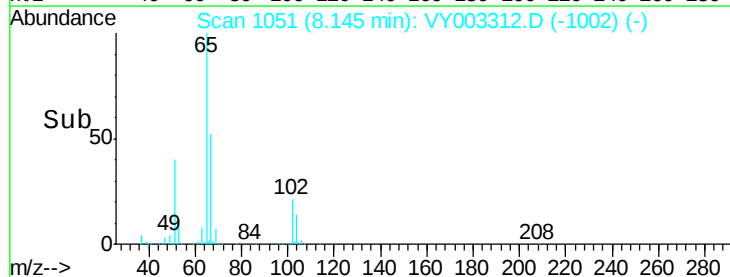
65 100

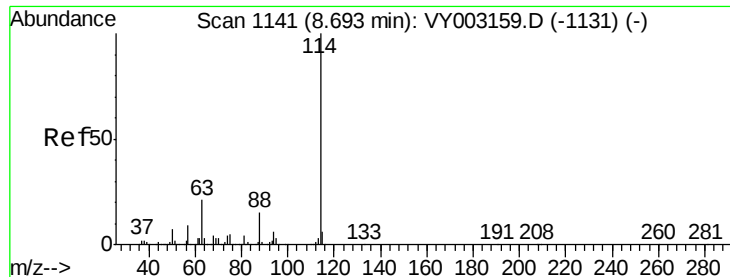
67 51.5 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

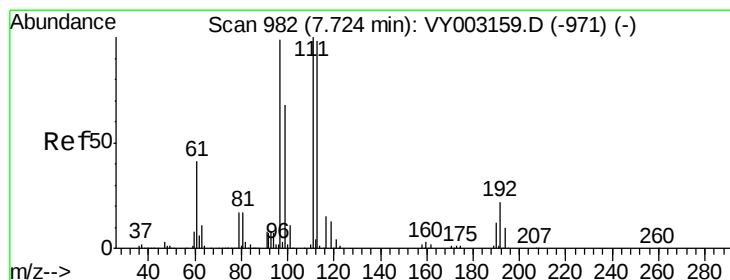
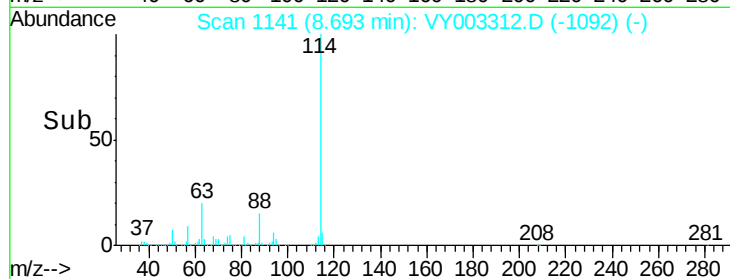
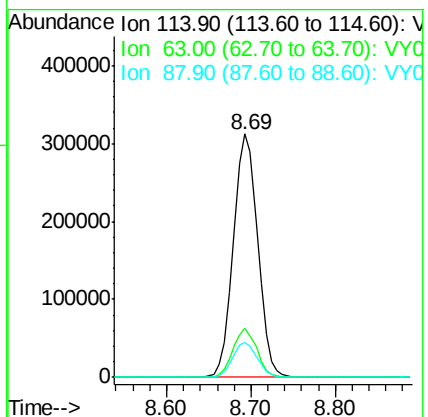
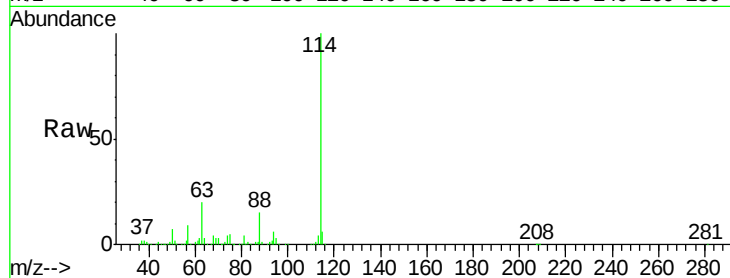




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.69 min Scan# 1141  
Delta R.T. 0.00 min  
Lab File: VY003312.D  
Acq: 23 Jul 2020 13:19

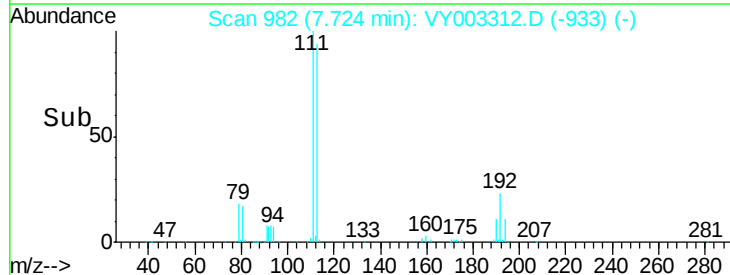
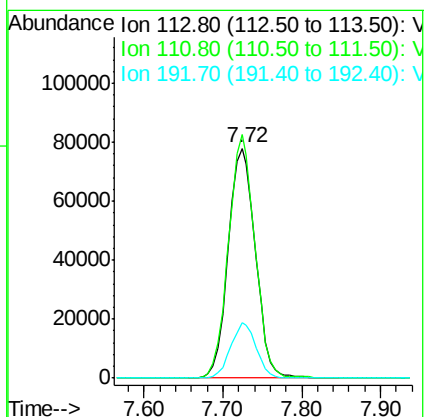
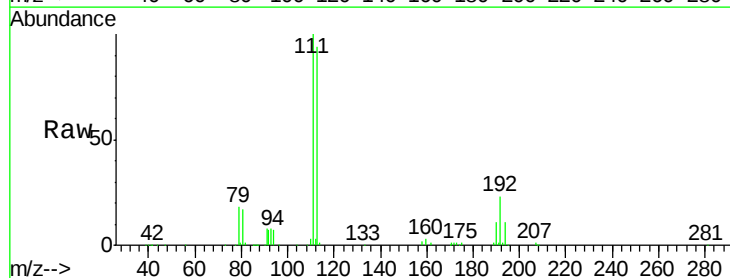
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-221

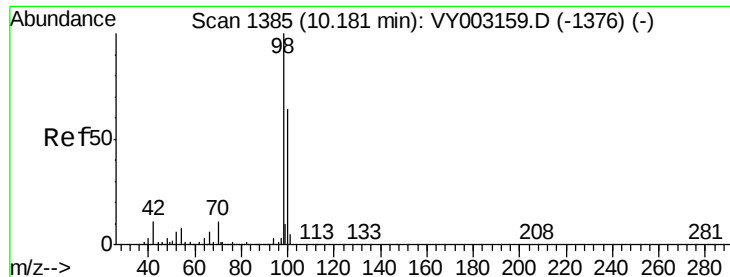
|             |       |        |
|-------------|-------|--------|
| Tot Ion:114 | Resp: | 607365 |
| Ion Ratio   | Lower | Upper  |
| 114 100     |       |        |
| 63 20.3     | 0.0   | 41.2   |
| 88 14.5     | 0.0   | 30.2   |



#35  
Dibromofluoromethane  
Concen: 53.373 ug/l  
RT: 7.72 min Scan# 982  
Delta R.T. 0.00 min  
Lab File: VY003312.D  
Acq: 23 Jul 2020 13:19

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:113 | Resp: | 186553 |
| Ion Ratio   | Lower | Upper  |
| 113 100     |       |        |
| 111 102.4   | 82.1  | 123.1  |
| 192 22.9    | 18.8  | 28.2   |





#50

Toluene-d8

Concen: 54.301 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

Instrument :

MSVOA\_Y

ClientSampleId :

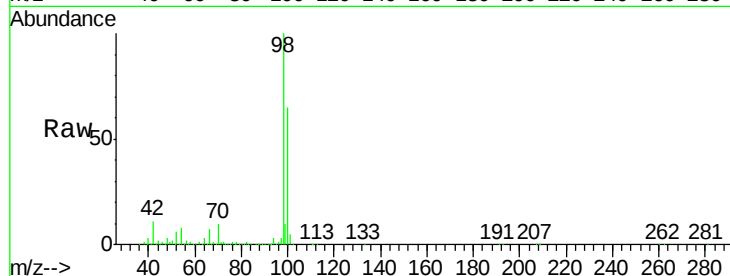
VNJ-221

Tot Ion: 98 Resp: 705629

Ion Ratio Lower Upper

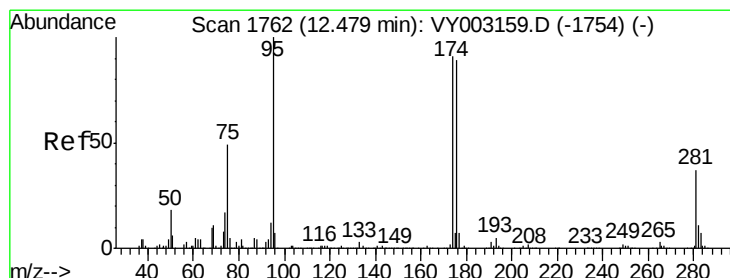
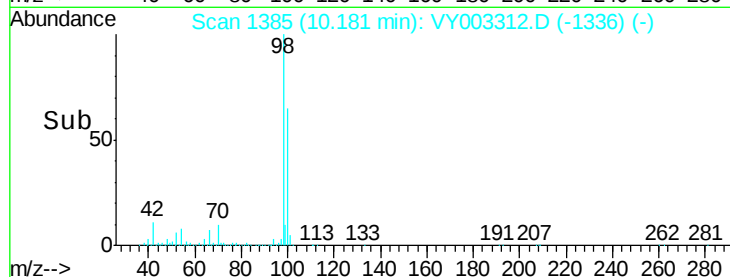
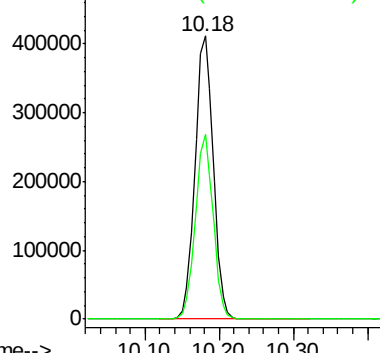
98 100

100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#62

4-Bromofluorobenzene

Concen: 39.117 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

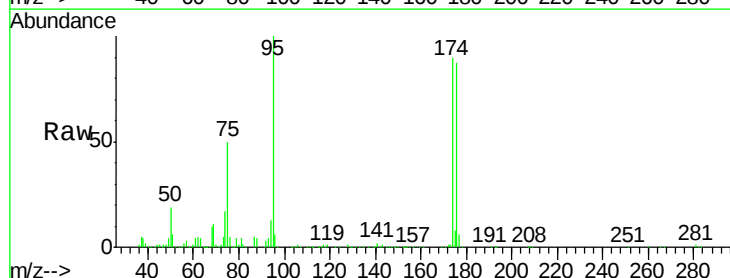
Tgt Ion: 95 Resp: 183632

Ion Ratio Lower Upper

95 100

174 95.5 0.0 190.6

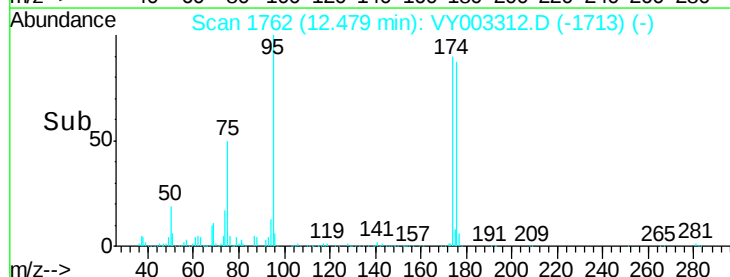
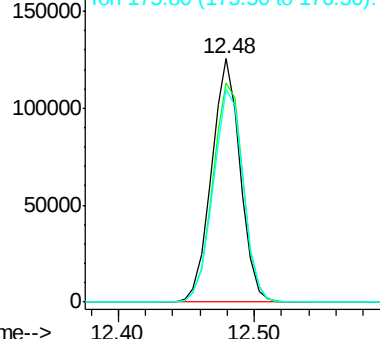
176 92.2 0.0 186.4

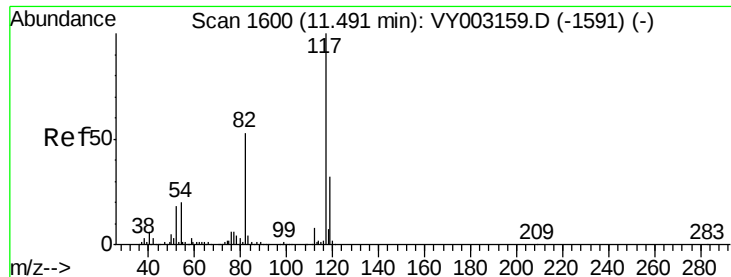


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

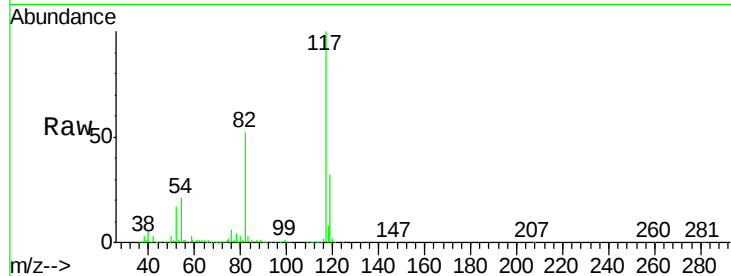




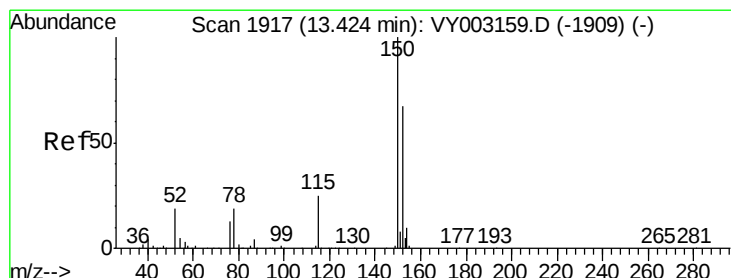
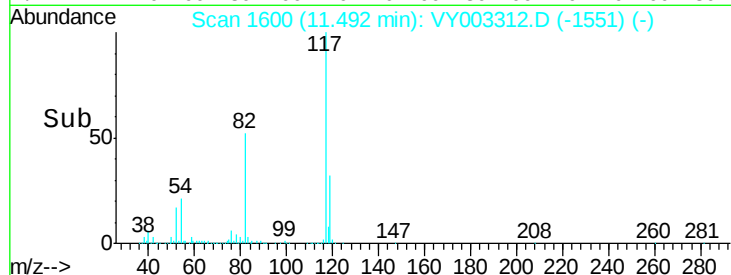
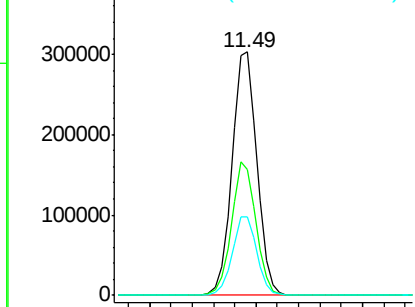
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY003312.D  
Acq: 23 Jul 2020 13:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-221

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.6  | 42.0  | 63.0  |
| 119     | 32.5  | 25.5  | 38.3  |

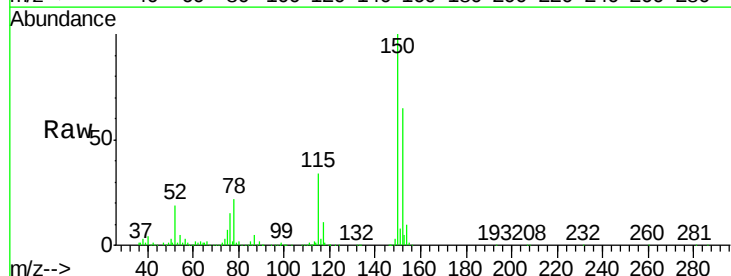


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V

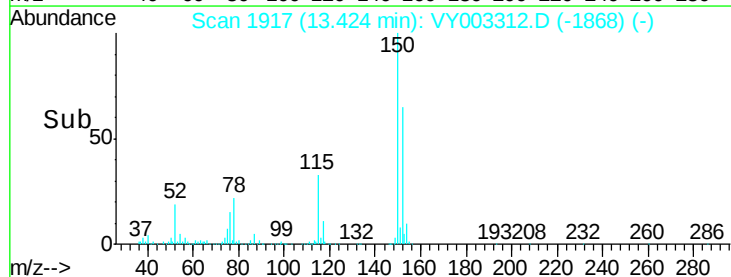
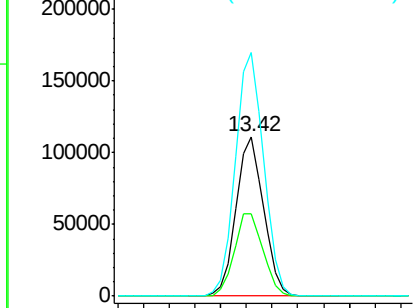


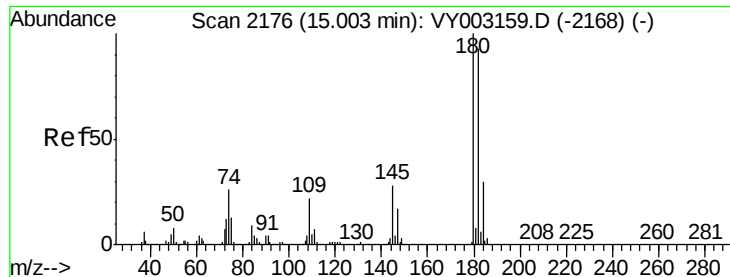
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY003312.D  
Acq: 23 Jul 2020 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.2  | 26.9  | 80.7  |
| 150     | 156.9 | 0.0   | 338.0 |



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

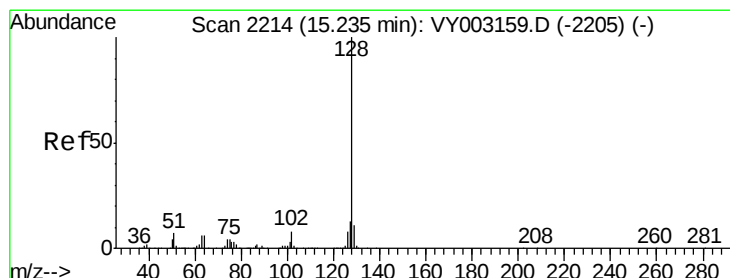
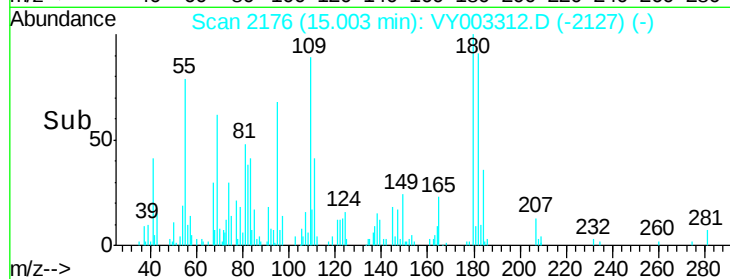
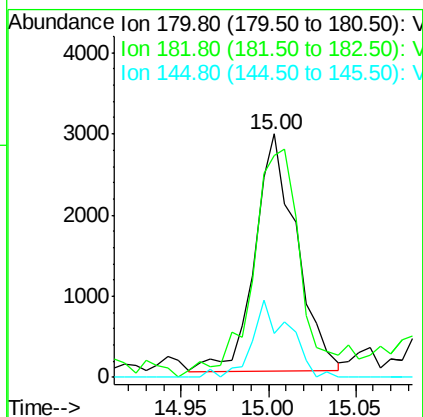
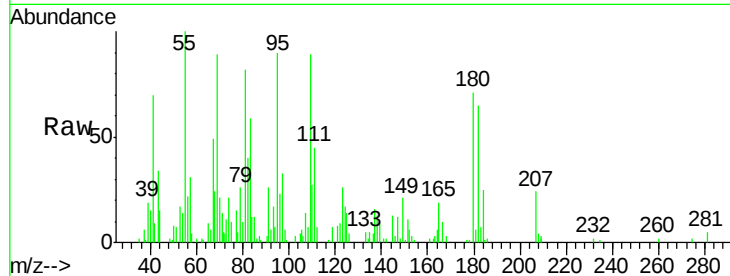




#93  
 1,2,4-Trichlorobenzene  
 Concen: 1.523 ug/l  
 RT: 15.00 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VY003312.D  
 Acq: 23 Jul 2020 13:19

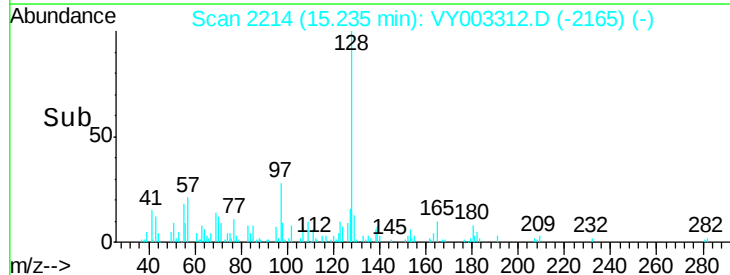
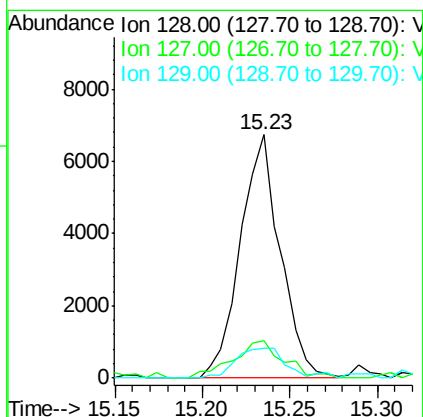
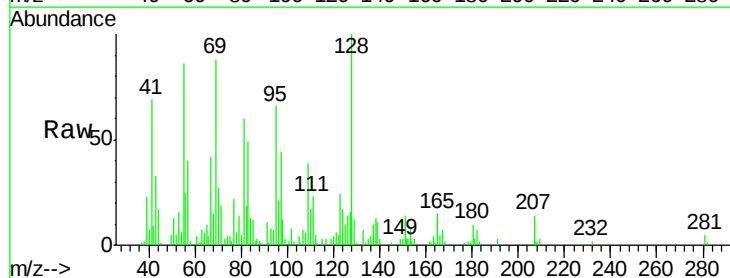
Instrument :  
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 VNJ-221

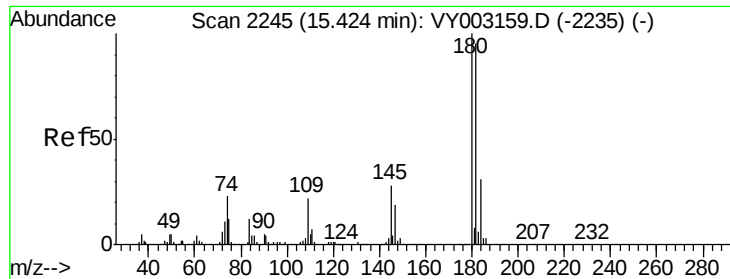
Tot Ion:180 Resp: 4822  
 Ion Ratio Lower Upper  
 180 100  
 182 110.7 47.3 142.0  
 145 28.7 13.7 41.1



#95  
 Naphthalene  
 Concen: 2.047 ug/l  
 RT: 15.23 min Scan# 2214  
 Delta R.T. 0.00 min  
 Lab File: VY003312.D  
 Acq: 23 Jul 2020 13:19

Tgt Ion:128 Resp: 10709  
 Ion Ratio Lower Upper  
 128 100  
 127 19.5 10.9 16.3#  
 129 15.8 9.0 13.6#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.235 ug/l  
 RT: 15.42 min Scan# 2244  
 Delta R.T. -0.01 min  
 Lab File: VY003312.D  
 Acq: 23 Jul 2020 13:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-221

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 75.9  | 48.8  | 146.3 |
| 145     | 33.9  | 14.9  | 44.5  |

