

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070120\  
 Data File : VY003056.D  
 Acq On : 01 Jul 2020 14:10  
 Operator : SY/MD  
 Sample : L2811-05  
 Misc : 5.69G/5ML/MSVOA Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NB-7-063020

Quant Time: Jul 02 03:34:08 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

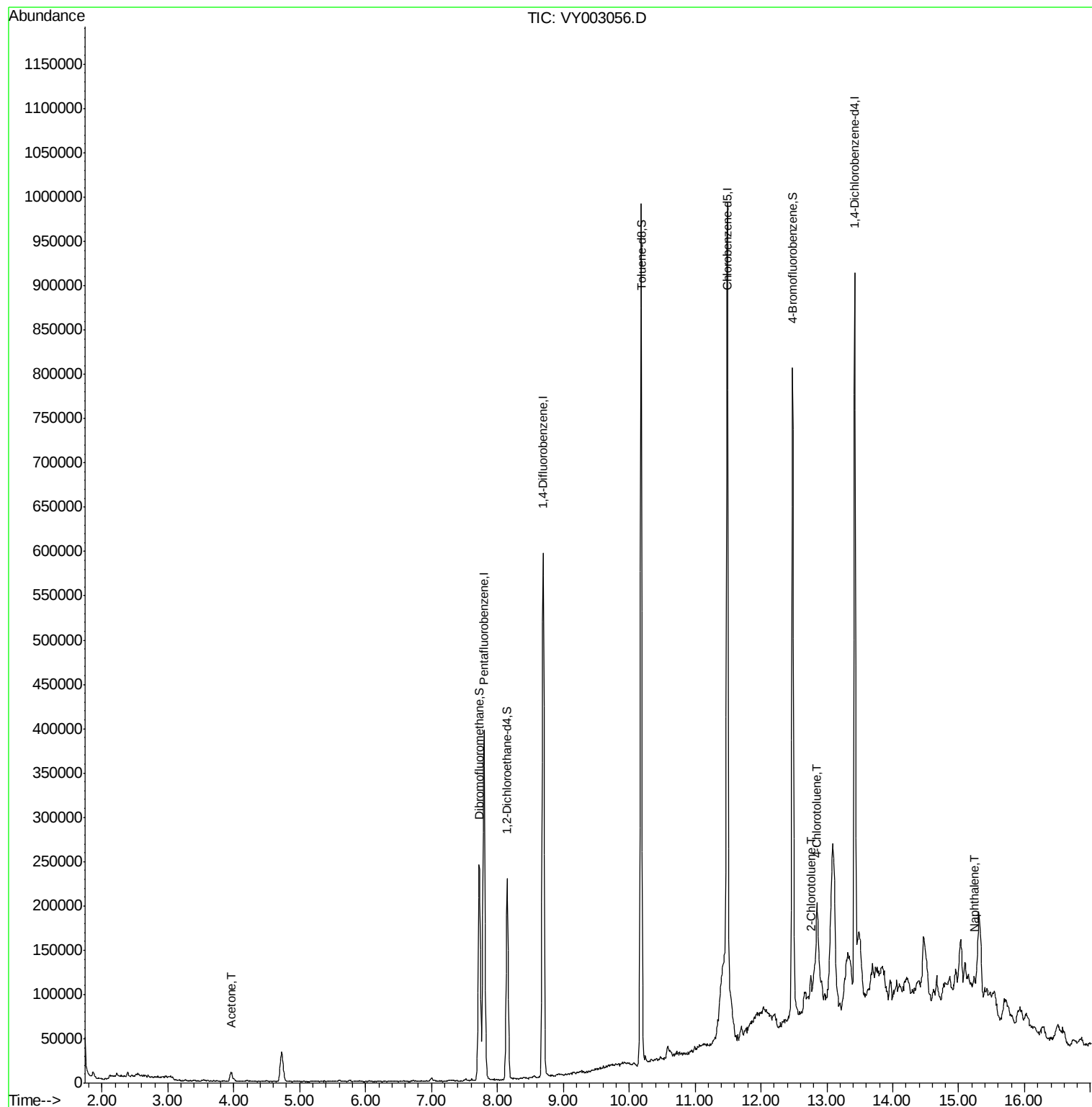
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 316623   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 517441   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 476695   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 204668   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 180414   | 57.37  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.74% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 169990   | 52.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.32% |          |
| 50) Toluene-d8              | 10.18 | 98   | 627896   | 52.21  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.42% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 204892   | 48.40  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.80%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.96  | 43   | 18238    | 24.590 | ug/l    | 96       |
| 79) 2-Chlorotoluene         | 12.76 | 91   | 16517    | 1.837  | ug/l    | 95       |
| 82) 4-Chlorotoluene         | 12.85 | 91   | 31243    | 3.337  | ug/l    | 90       |
| 95) Naphthalene             | 15.23 | 128  | 12316    | 1.577  | ug/l #  | 87       |

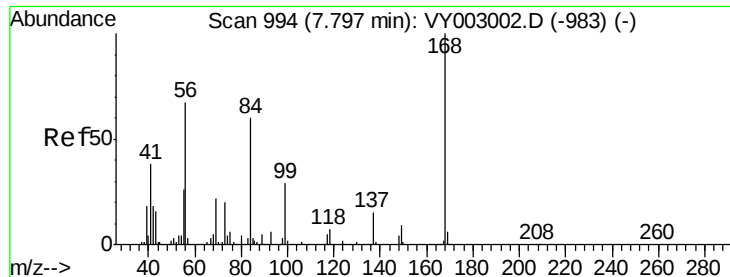
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070120\  
Data File : VY003056.D  
Acq On : 01 Jul 2020 14:10  
Operator : SY/MD  
Sample : L2811-05  
Misc : 5.69G/5ML/MSVOA Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NB-7-063020

Quant Time: Jul 02 03:34:08 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: VY003056.D

Acq: 01 Jul 2020 14:10

Instrument :

MSVOA\_Y

ClientSampleId :

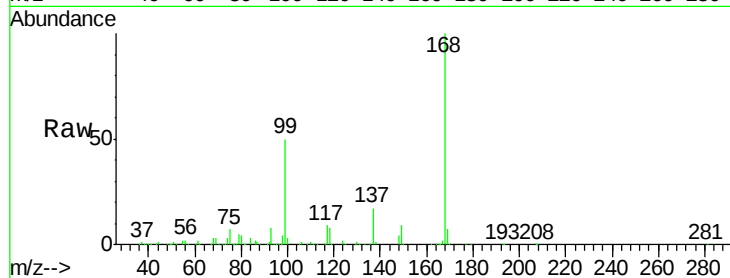
NB-7-063020

Tot Ion:168 Resp: 316623

Ion Ratio Lower Upper

168 100

99 50.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

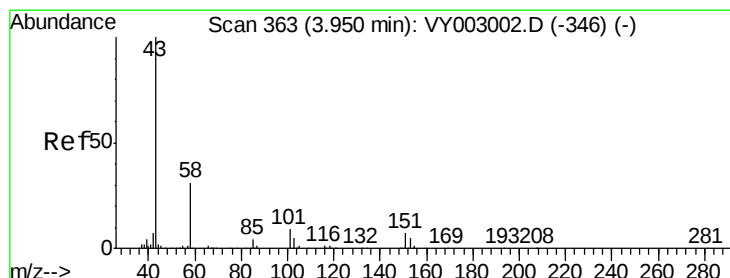
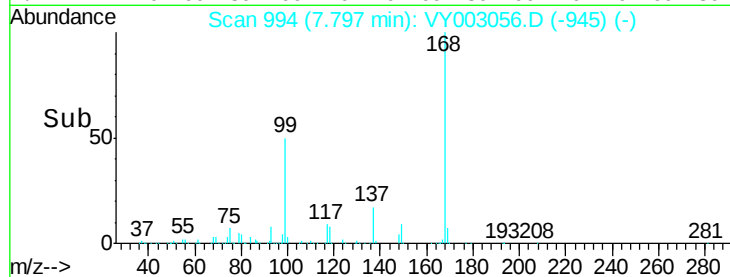
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 24.590 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003056.D

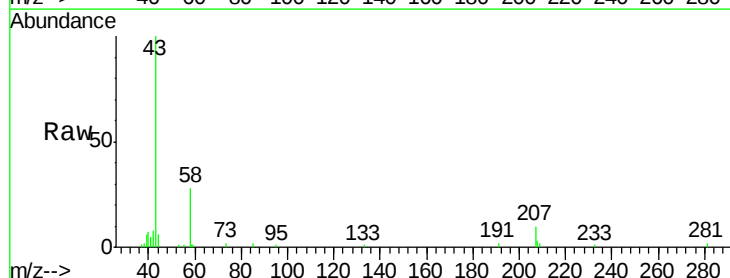
Acq: 01 Jul 2020 14:10

Tgt Ion: 43 Resp: 18238

Ion Ratio Lower Upper

43 100

58 28.7 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003002.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VY003002.D (-346) (-)

3.96

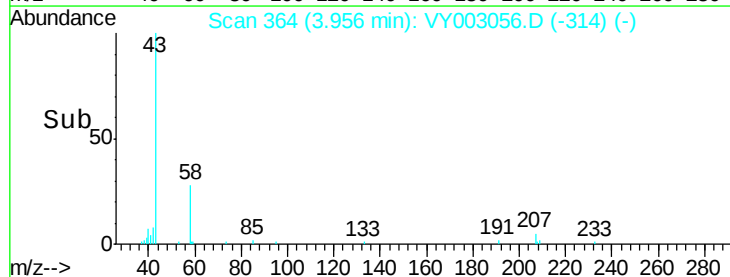
6000

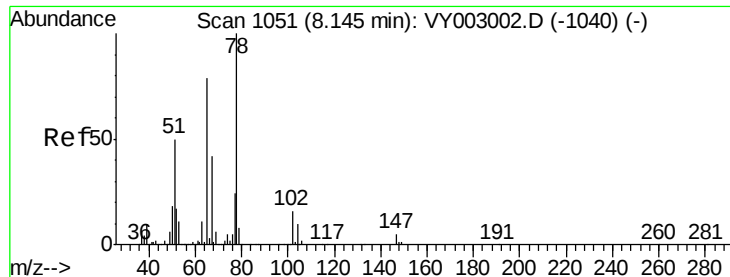
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 57.371 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

Instrument :

MSVOA\_Y

ClientSampleId :

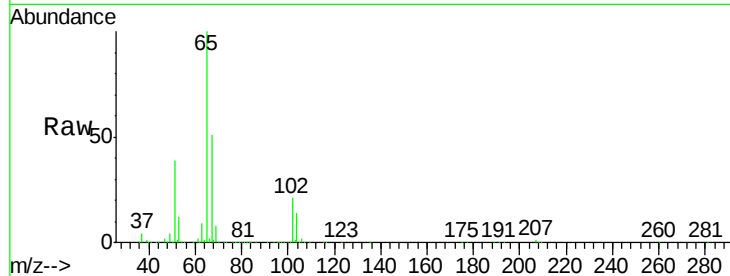
NB-7-063020

Tot Ion: 65 Resp: 180414

Ion Ratio Lower Upper

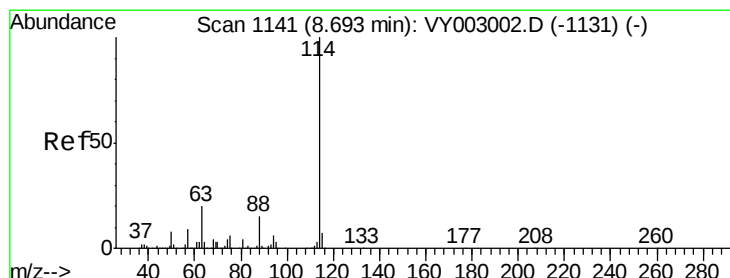
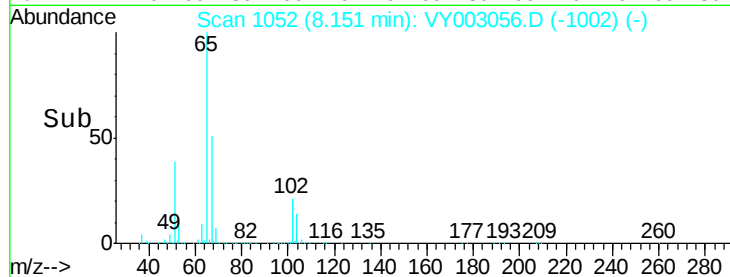
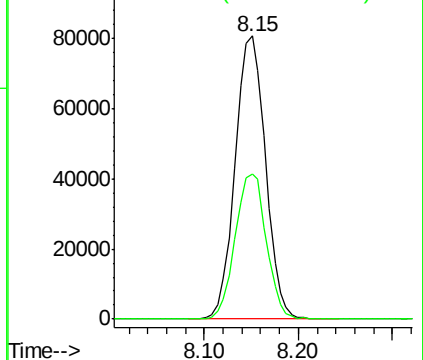
65 100

67 53.0 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: VY003056.D

Acq: 01 Jul 2020 14:10

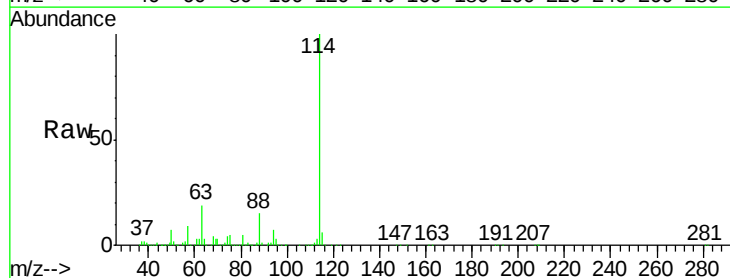
Tgt Ion: 114 Resp: 517441

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.6

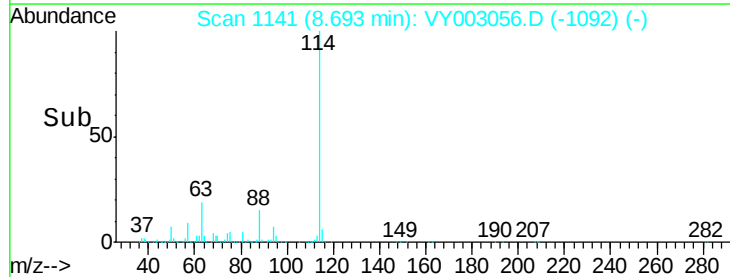
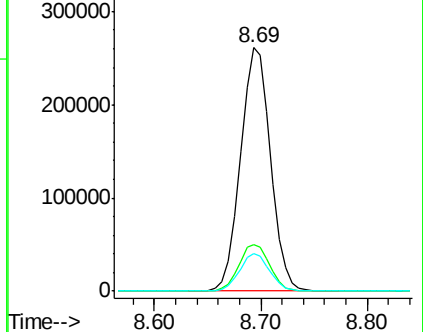
88 15.4 0.0 30.0

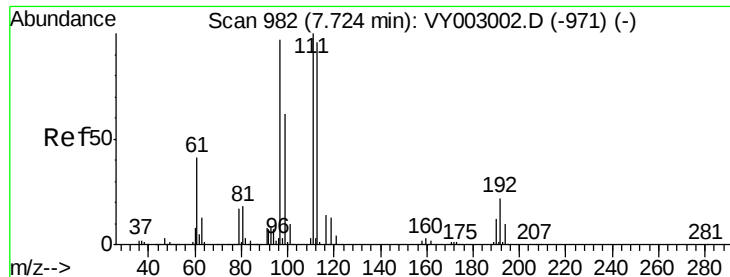


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 52.663 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

Instrument :

MSVOA\_Y

ClientSampleId :

NB-7-063020

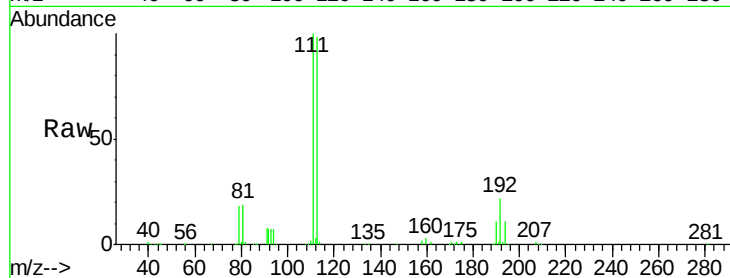
Tot Ion:113 Resp: 169990

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

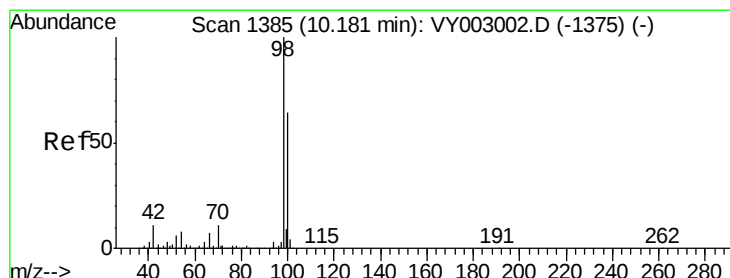
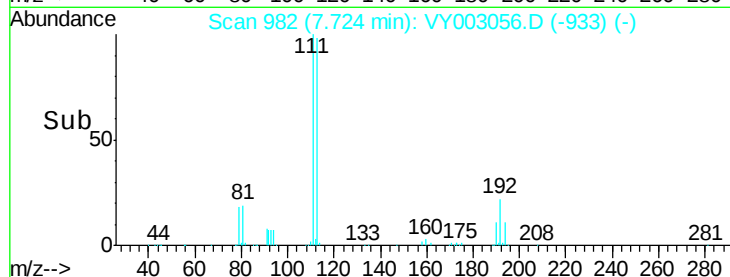
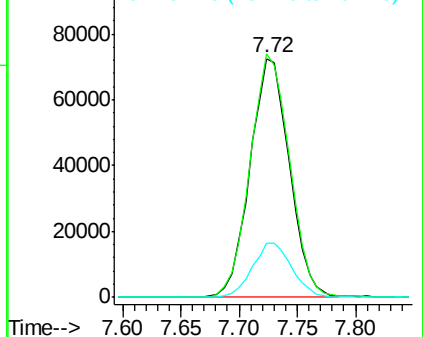
192 23.0 18.1 27.1



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: 52.215 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003056.D

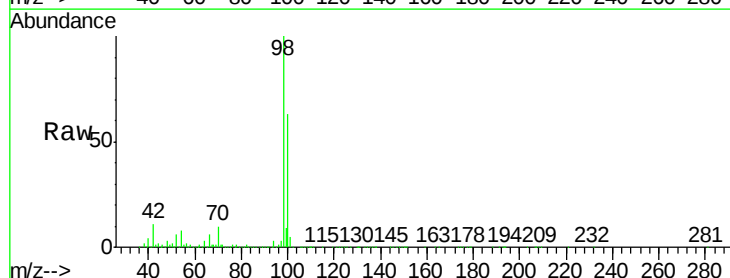
Acq: 01 Jul 2020 14:10

Tgt Ion: 98 Resp: 627896

Ion Ratio Lower Upper

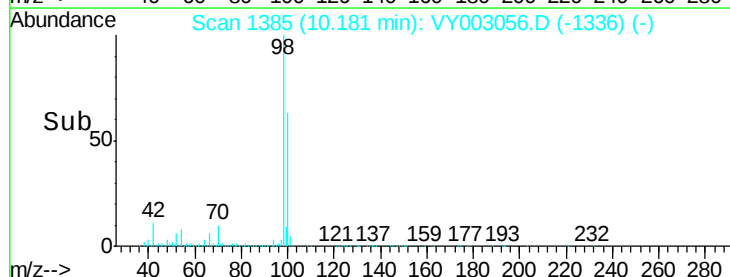
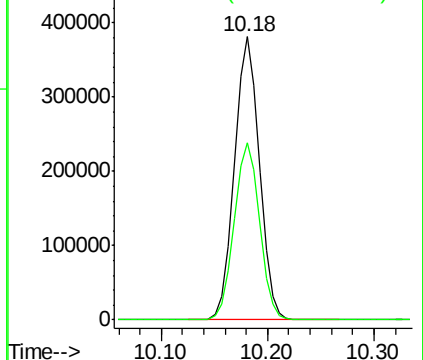
98 100

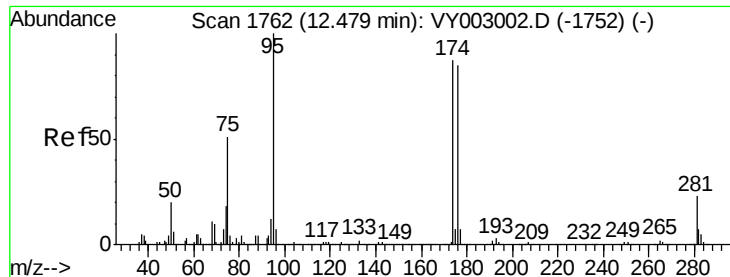
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

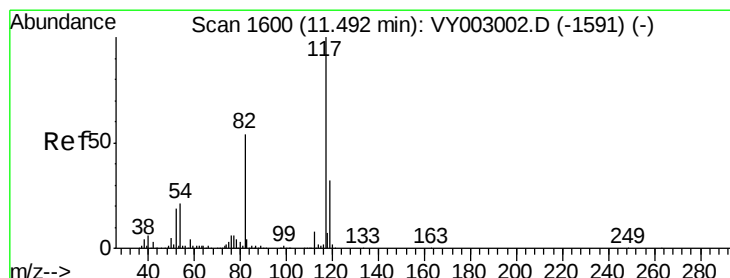
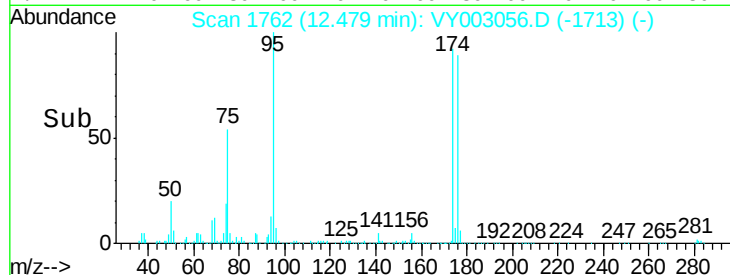
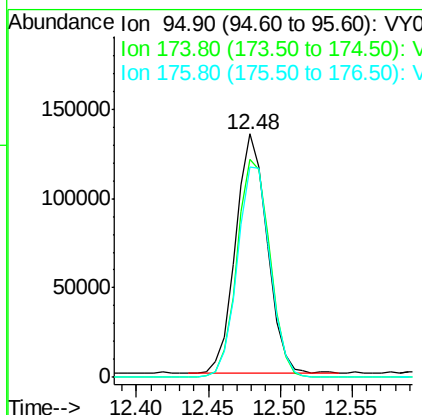
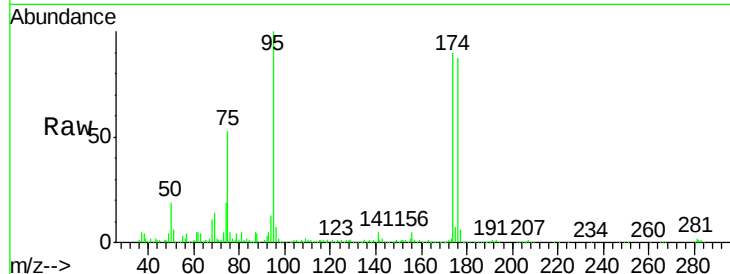




#62  
4-Bromofluorobenzene  
Concen: 48.404 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.00 min  
Lab File: VY003056.D  
Acq: 01 Jul 2020 14:10

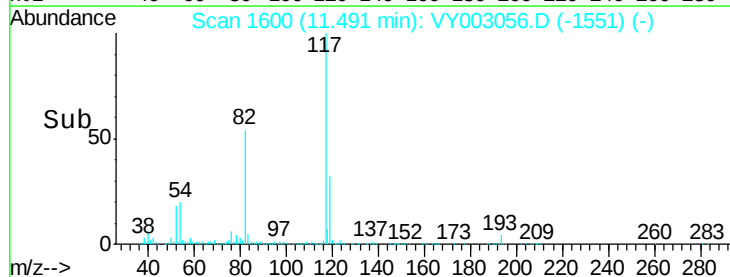
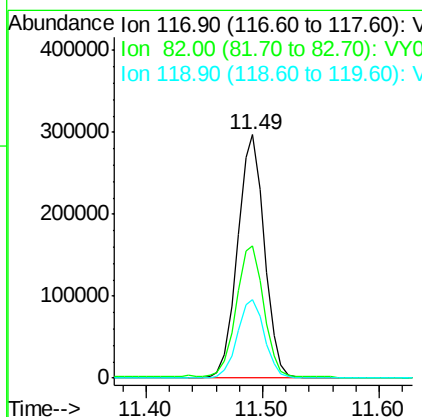
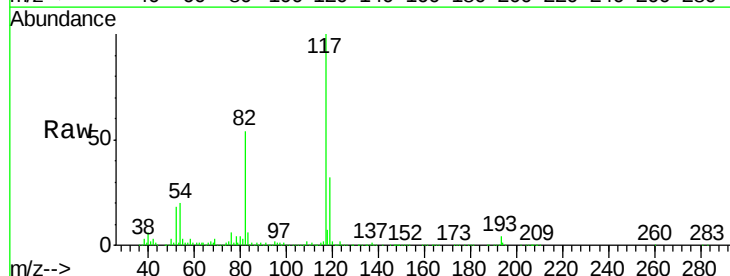
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NB-7-063020

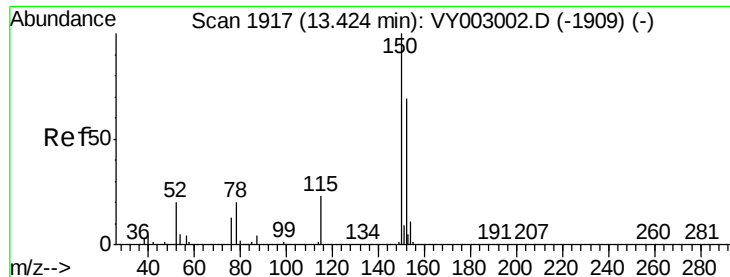
| Tot Ion   | 95    | Resp  | 204892 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 93.8  | 0.0   | 184.8  |
| 176       | 90.7  | 0.0   | 183.0  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY003056.D  
Acq: 01 Jul 2020 14:10

| Tgt Ion   | 117   | Resp  | 476695 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 53.9  | 43.0  | 64.6   |
| 119       | 32.4  | 25.8  | 38.8   |



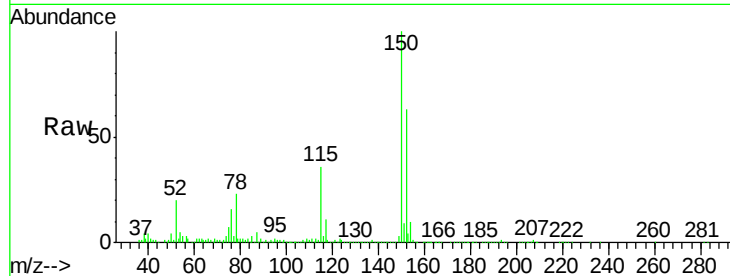


#72

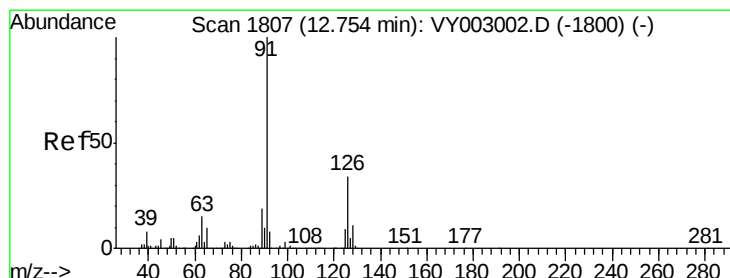
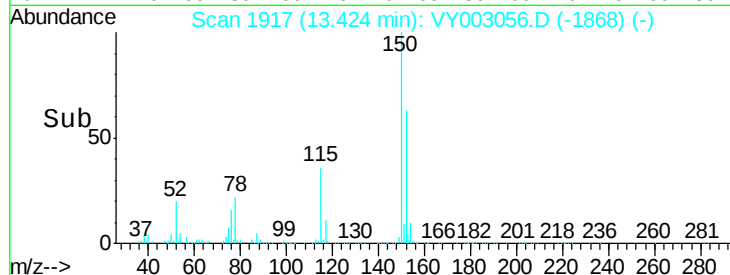
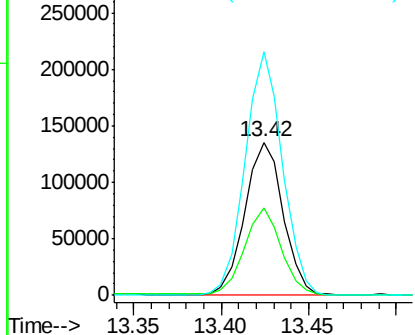
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY003056.D  
Acq: 01 Jul 2020 14:10

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NB-7-063020

Tot Ion:152 Resp: 204668  
Ion Ratio Lower Upper  
152 100  
115 55.1 27.3 81.9  
150 155.5 0.0 343.4



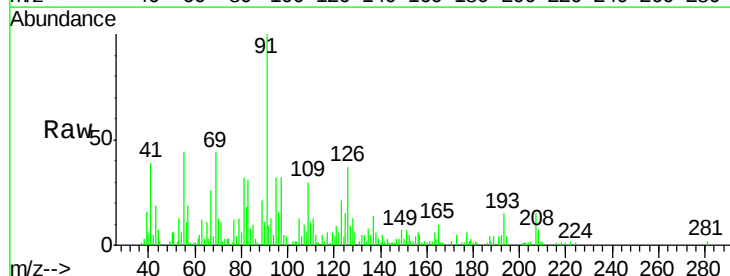
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



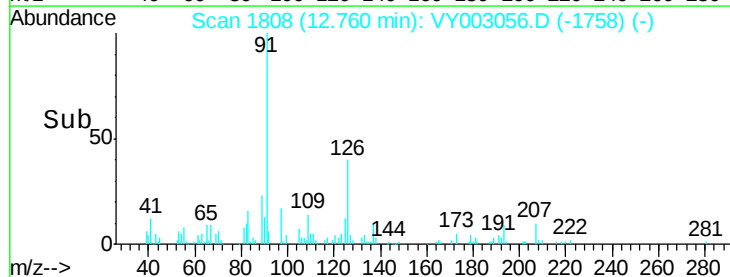
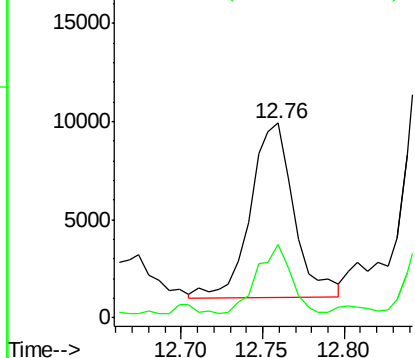
#79

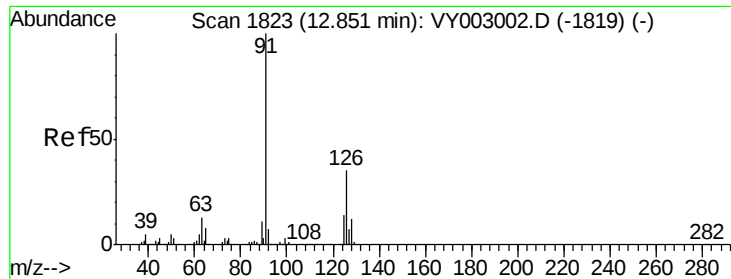
2-Chlorotoluene  
Concen: 1.837 ug/l  
RT: 12.76 min Scan# 1808  
Delta R.T. 0.01 min  
Lab File: VY003056.D  
Acq: 01 Jul 2020 14:10

Tgt Ion: 91 Resp: 16517  
Ion Ratio Lower Upper  
91 100  
126 31.1 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY0  
Ion 125.90 (125.60 to 126.60): V





#82

4-Chlorotoluene

Concen: 3.337 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

Instrument :

MSVOA\_Y

ClientSampleId :

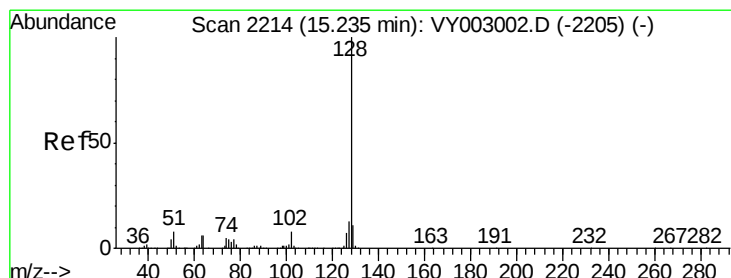
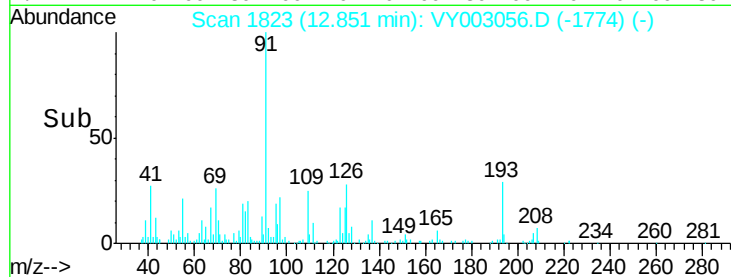
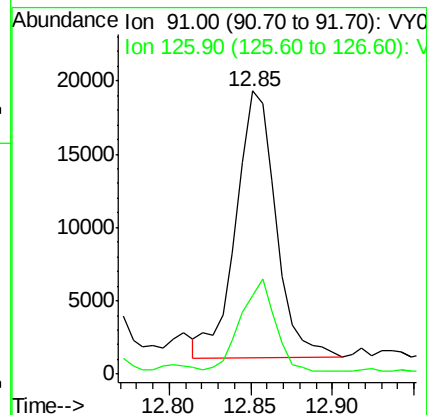
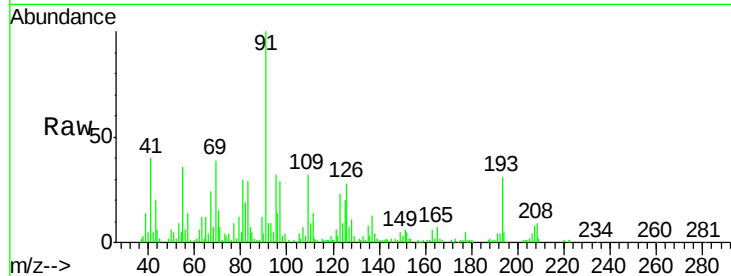
NB-7-063020

Tot Ion: 91 Resp: 31243

Ion Ratio Lower Upper

91 100

126 29.3 17.4 52.3



#95

Naphthalene

Concen: 1.577 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY003056.D

Acq: 01 Jul 2020 14:10

Tgt Ion: 128 Resp: 12316

Ion Ratio Lower Upper

128 100

127 22.3 10.8 16.2#

129 11.8 8.8 13.2

