

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\  
 Data File : VY003106.D  
 Acq On : 06 Jul 2020 12:26  
 Operator : SY/MD  
 Sample : L3211-08  
 Misc : 9.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-8 11-11.5

Quant Time: Jul 07 07:02:40 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  | 279035   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 445721   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 429390   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 224089   | 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   | 152261   | 54.94 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.88% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 146145   | 52.56 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.12% |          |
| 50) Toluene-d8              | 10.18 | 98   | 540099   | 52.14 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.28% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 192187   | 52.71 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.42% |          |

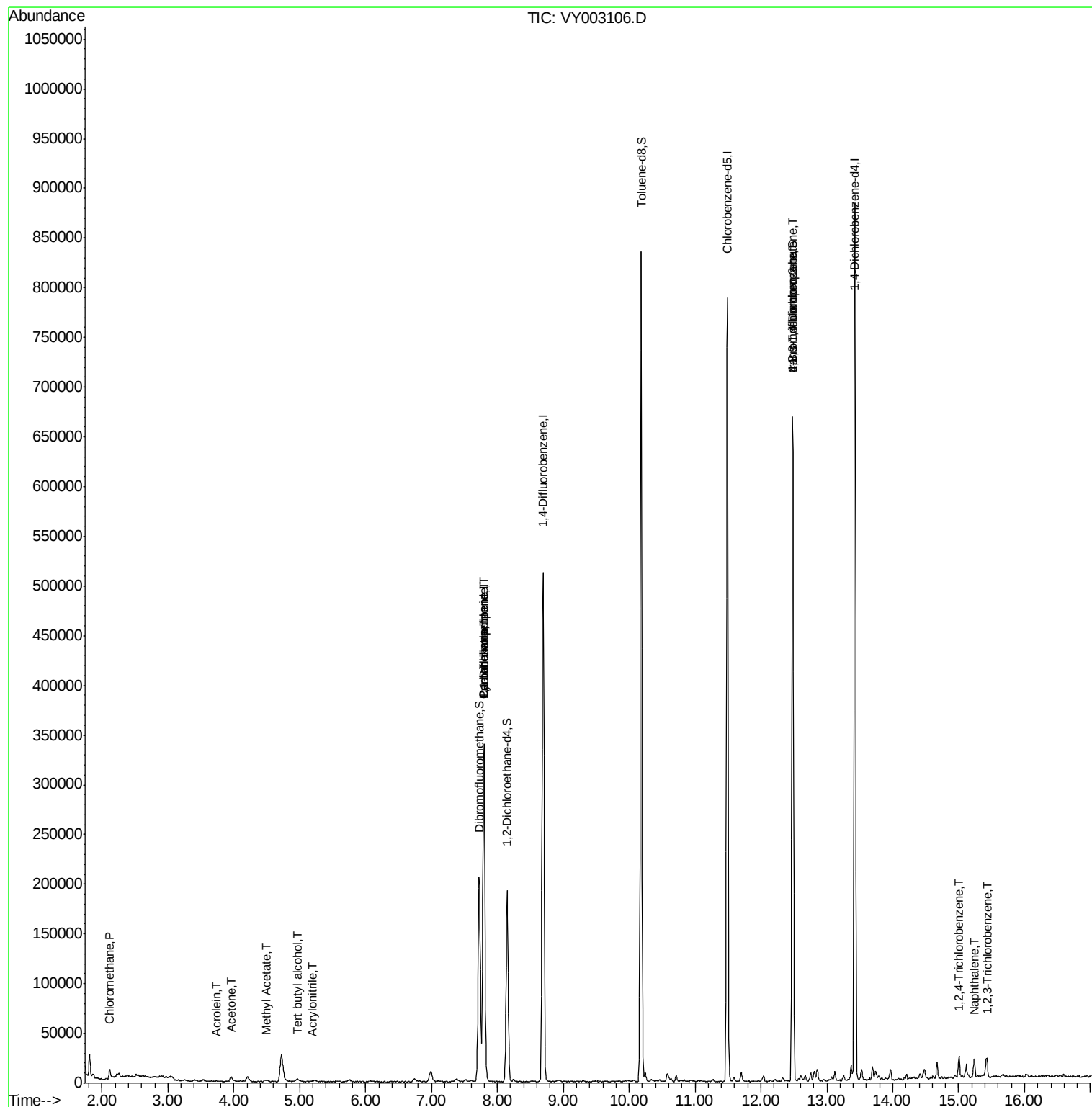
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 3) Chloromethane               | 2.12  | 50   | 7961     | 2.573  | ug/l   | 93     |
| 11) Tert butyl alcohol         | 4.97  | 59   | 5144     | 18.213 | ug/l # | 84     |
| 13) Acrolein                   | 3.74  | 56   | 688      | 2.712  | ug/l # | 65     |
| 15) Acrylonitrile              | 5.19  | 53   | 973      | 1.293  | ug/l # | 26     |
| 16) Acetone                    | 3.96  | 43   | 7067     | 10.812 | ug/l   | 97     |
| 18) Methyl Acetate             | 4.49  | 43   | 3074     | 1.746  | ug/l   | 98     |
| 31) Cyclohexane                | 7.79  | 56   | 4974     | 1.020  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.80  | 75   | 19906    | 4.636  | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.80  | 117  | 24924    | 5.580  | ug/l # | 16     |
| 76) 1,2,3-Trichloropropane     | 12.48 | 75   | 99485    | 44.858 | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75   | 99485    | 87.274 | ug/l # | 12     |
| 93) 1,2,4-Trichlorobenzene     | 15.00 | 180  | 6824     | 1.458  | ug/l   | 93     |
| 95) Naphthalene                | 15.24 | 128  | 14230    | 1.665  | ug/l # | 92     |
| 96) 1,2,3-Trichlorobenzene     | 15.43 | 180  | 6583     | 1.620  | ug/l   | 96     |

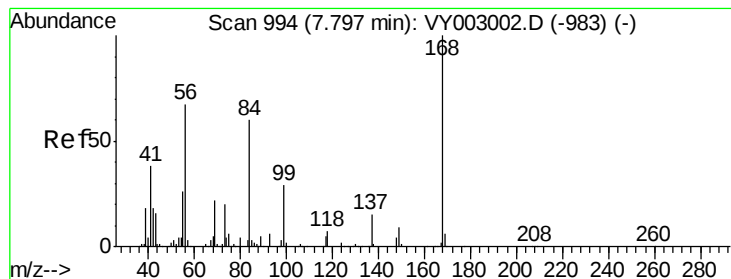
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070620\  
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Sample : L3211-08  
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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-8\_11-11.5

Quant Time: Jul 07 07:02:40 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: VY003106.D

Acq: 06 Jul 2020 12:26

Instrument :

MSVOA\_Y

ClientSampleId :

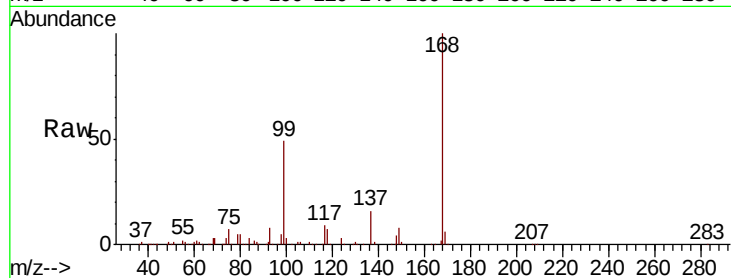
SB-8\_11-11.5

Tot Ion:168 Resp: 279035

Ion Ratio Lower Upper

168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003106.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003106.D (-945) (-)

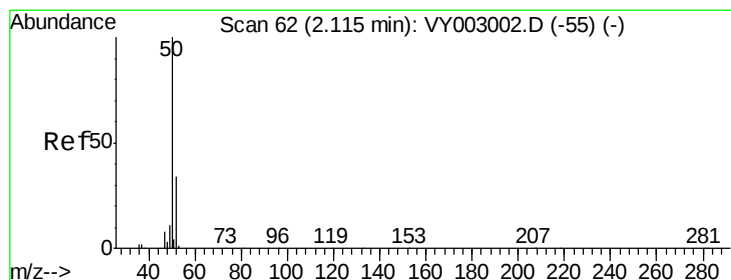
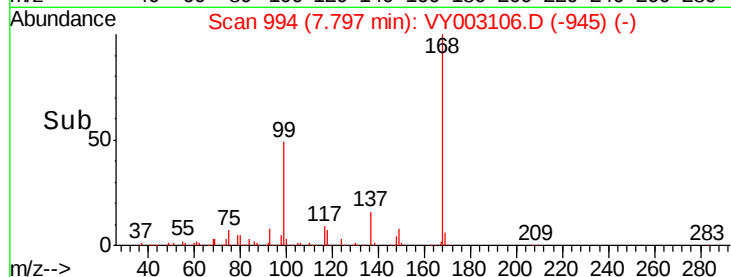
7.80

100000

50000

0

Time-->



#3

Chloromethane

Concen: 2.573 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003106.D

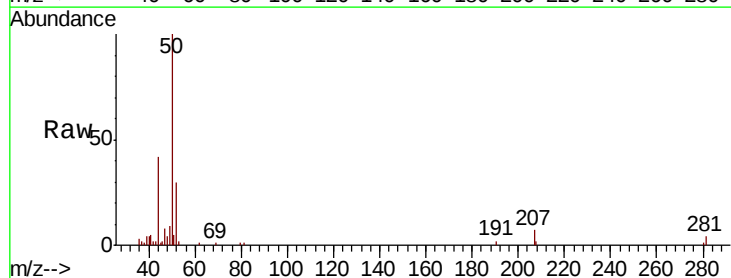
Acq: 06 Jul 2020 12:26

Tgt Ion: 50 Resp: 7961

Ion Ratio Lower Upper

50 100

52 29.6 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VY003106.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003106.D (-13) (-)

2.12

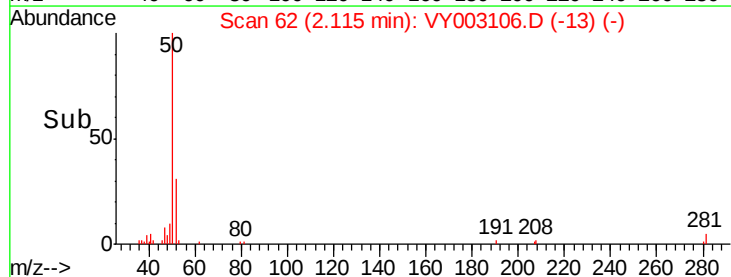
6000

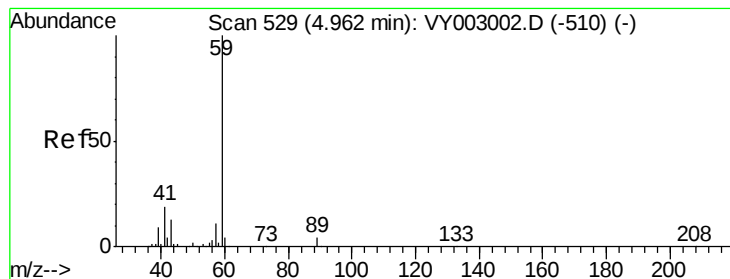
4000

2000

0

Time-->





#11

Tert butyl alcohol

Concen: 18.213 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY003106.D

Acq: 06 Jul 2020 12:26

Instrument :

MSVOA\_Y

ClientSampleId :

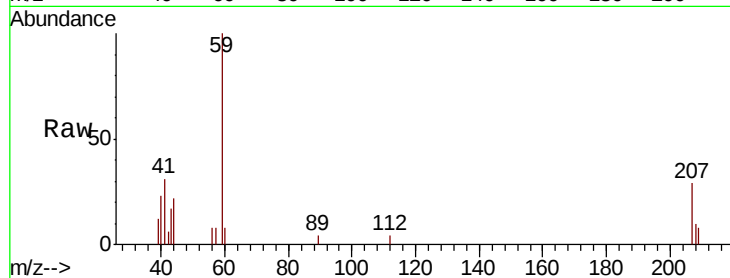
SB-8\_11-11.5

Tot Ion: 59 Resp: 5144

Ion Ratio Lower Upper

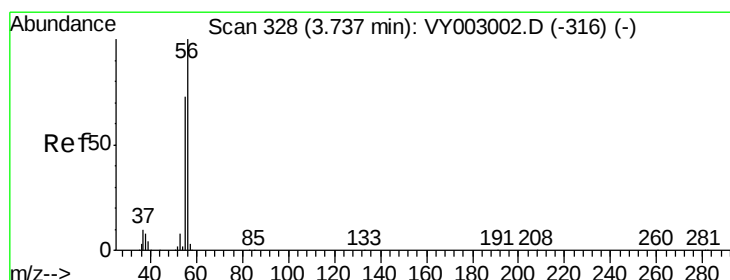
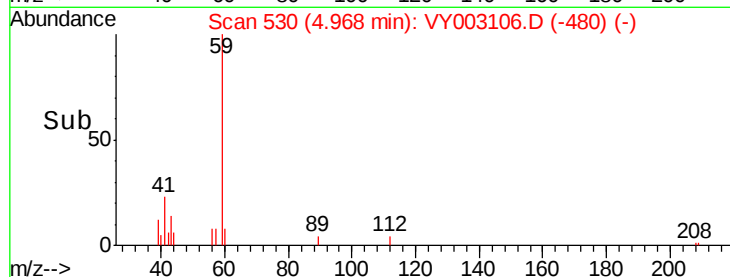
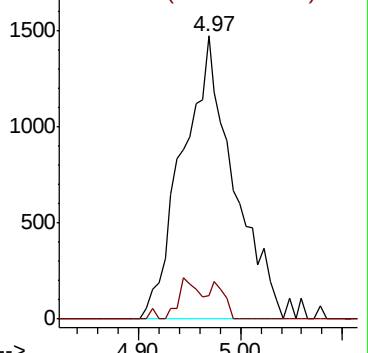
59 100

57 4.1 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#13

Acrolein

Concen: 2.712 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003106.D

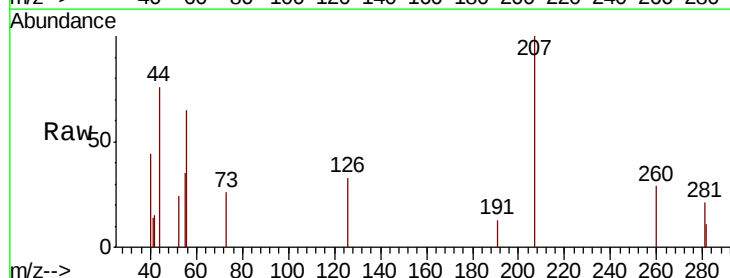
Acq: 06 Jul 2020 12:26

Tgt Ion: 56 Resp: 688

Ion Ratio Lower Upper

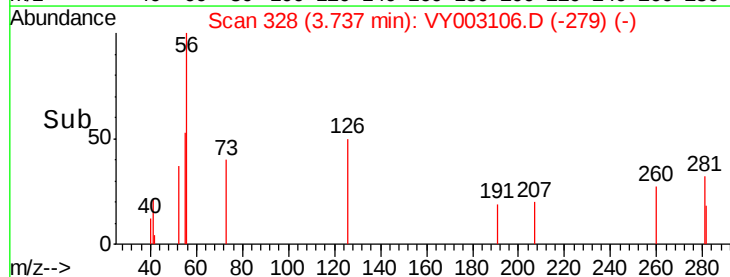
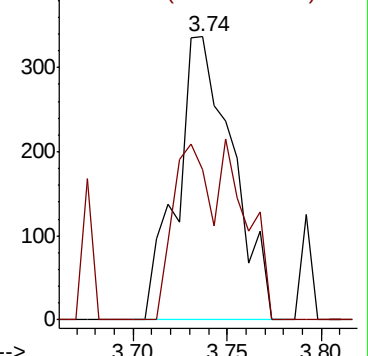
56 100

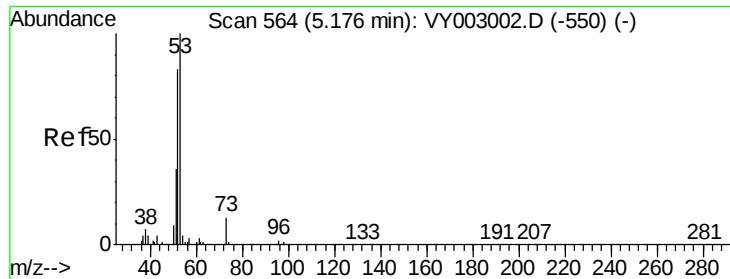
55 41.7 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0





#15

Acrylonitrile

Concen: 1.293 ug/l

RT: 5.19 min Scan# 567

Delta R.T. 0.02 min

Lab File: VY003106.D

Acq: 06 Jul 2020 12:26

Instrument :

MSVOA\_Y

ClientSampleId :

SB-8\_11-11.5

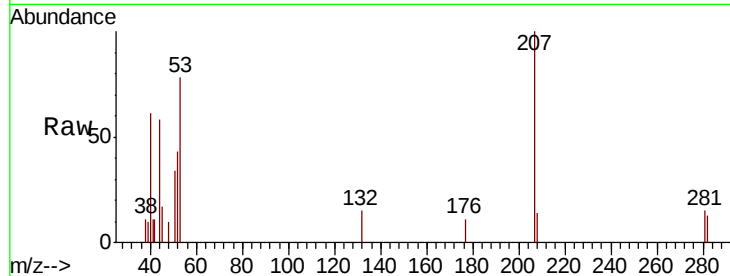
Tot Ion: 53 Resp: 973

Ion Ratio Lower Upper

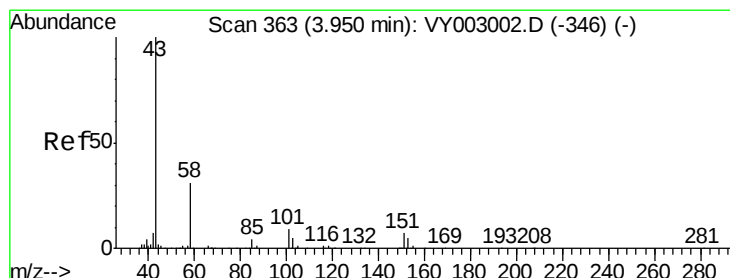
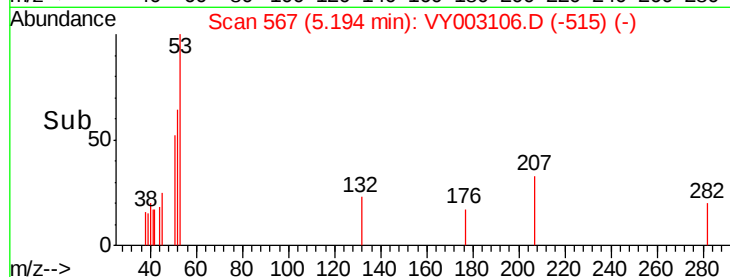
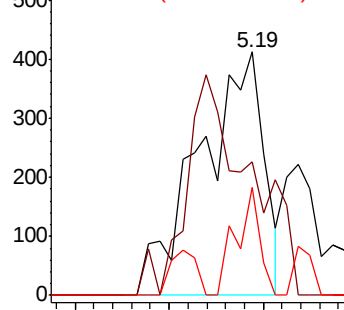
53 100

52 0.0 66.2 99.2#

51 16.3 29.5 44.3#



Abundance Ion 53.00 (52.70 to 53.70): VY003106.D (-515) (-)



#16

Acetone

Concen: 10.812 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003106.D

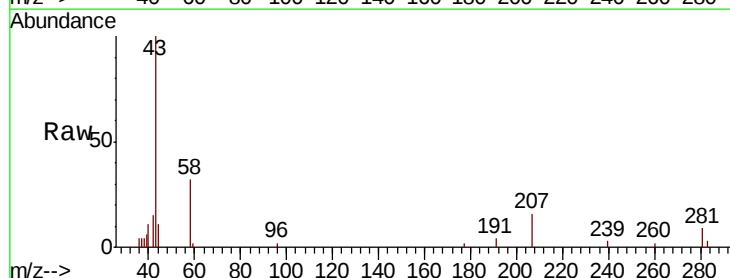
Acq: 06 Jul 2020 12:26

Tgt Ion: 43 Resp: 7067

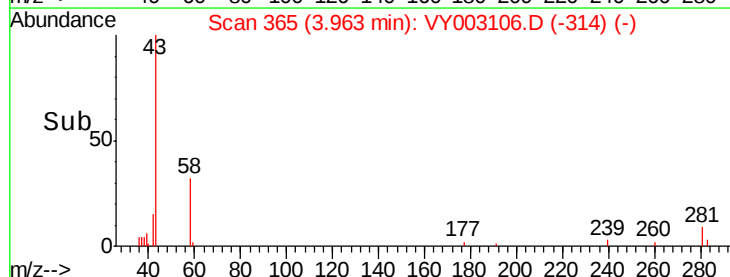
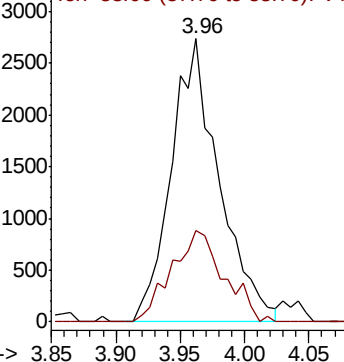
Ion Ratio Lower Upper

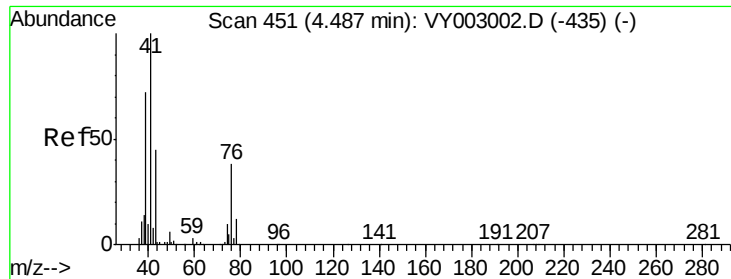
43 100

58 32.3 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003106.D (-314) (-)

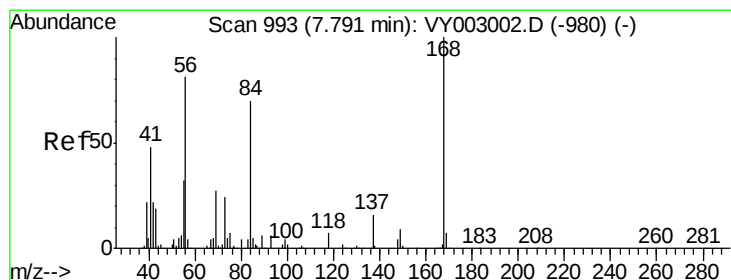
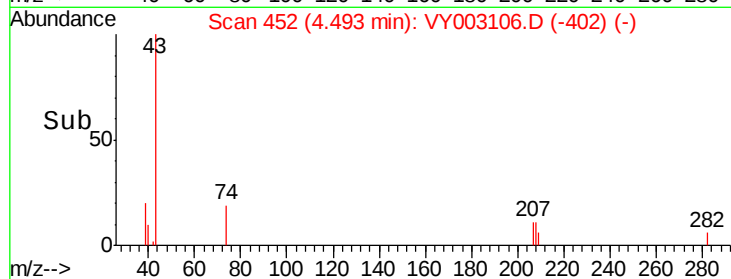
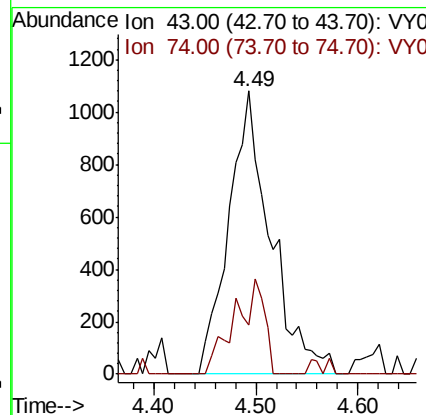
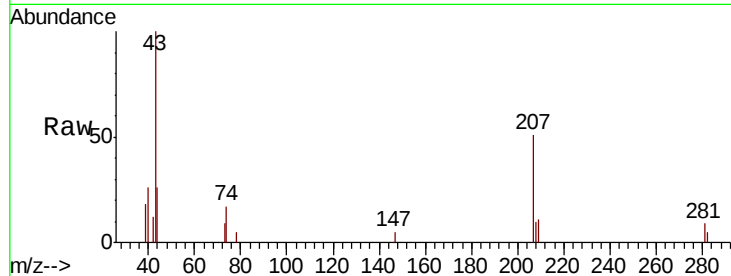




#18  
Methvl Acetate  
Concen: 1.746 ug/l  
RT: 4.49 min Scan# 452  
Delta R.T. 0.01 min  
Lab File: VY003106.D  
Acq: 06 Jul 2020 12:26

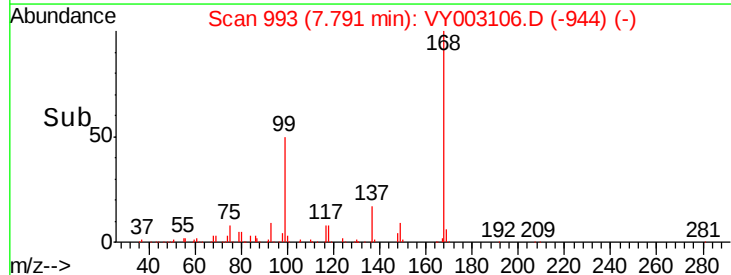
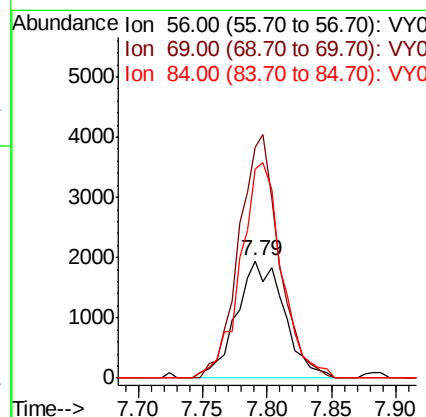
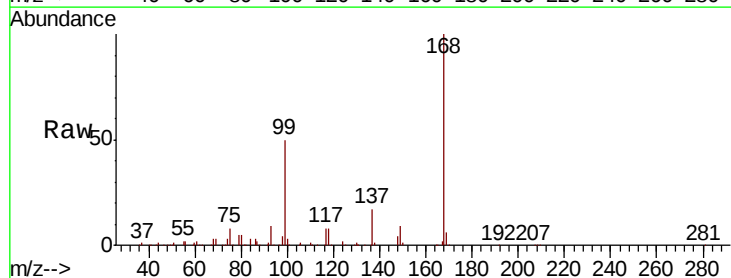
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-8\_11-11.5

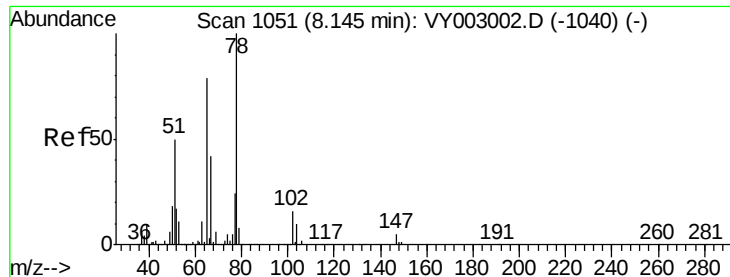
Tot Ion: 43 Resp: 3074  
Ion Ratio Lower Upper  
43 100  
74 23.7 18.2 27.4



#31  
Cyclohexane  
Concen: 1.020 ug/l  
RT: 7.79 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: VY003106.D  
Acq: 06 Jul 2020 12:26

Tgt Ion: 56 Resp: 4974  
Ion Ratio Lower Upper  
56 100  
69 197.5 27.0 40.4#  
84 178.2 68.1 102.1#

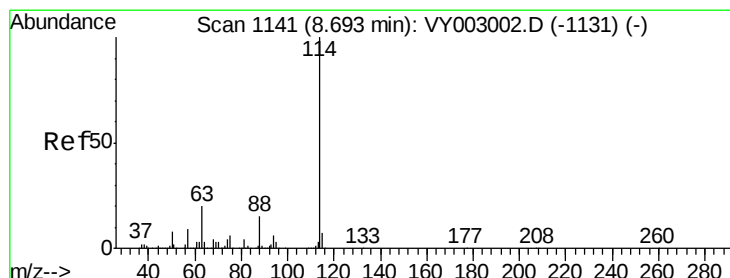
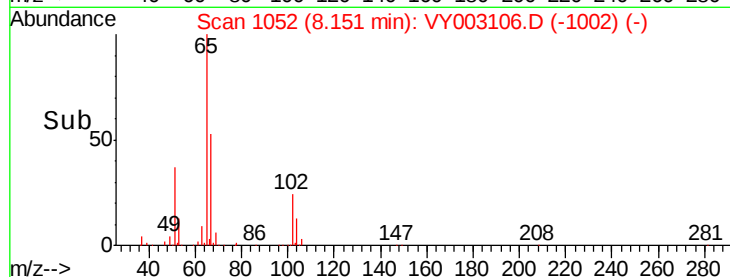
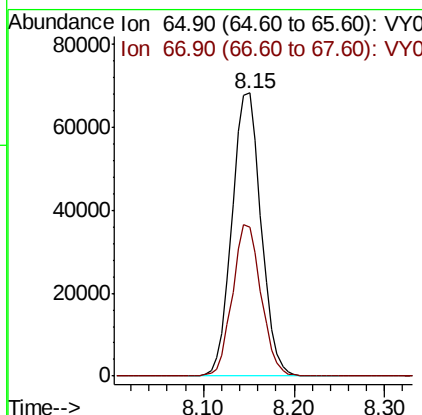
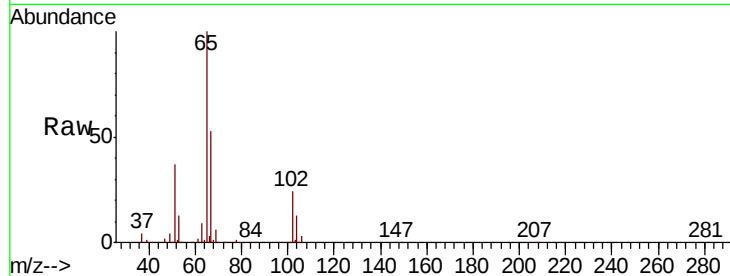




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.940 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. 0.01 min  
 Lab File: VY003106.D  
 Acq: 06 Jul 2020 12:26

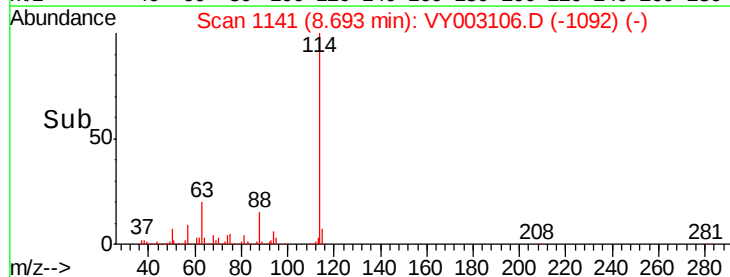
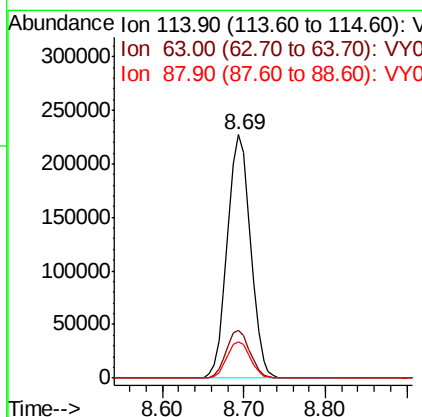
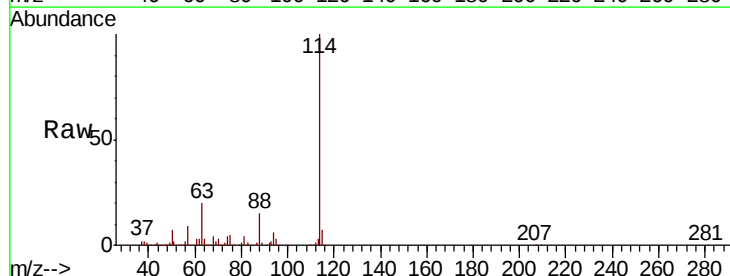
Instrument :  
 MSVOA\_Y  
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 SB-8\_11-11.5

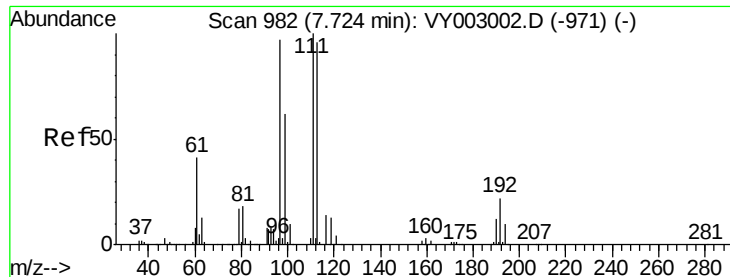
Tot Ion: 65 Resp: 152261  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY003106.D  
 Acq: 06 Jul 2020 12:26

Tgt Ion: 114 Resp: 445721  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 40.6  
 88 14.7 0.0 30.0

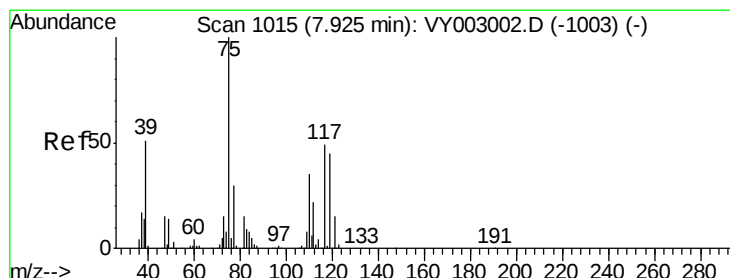
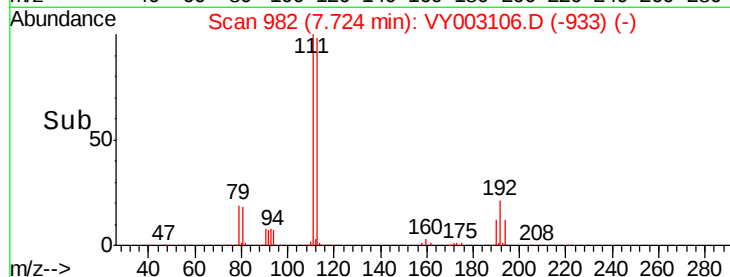
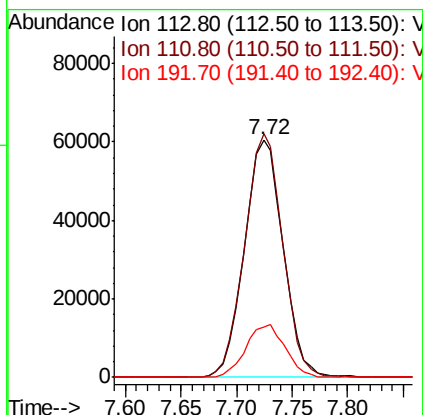
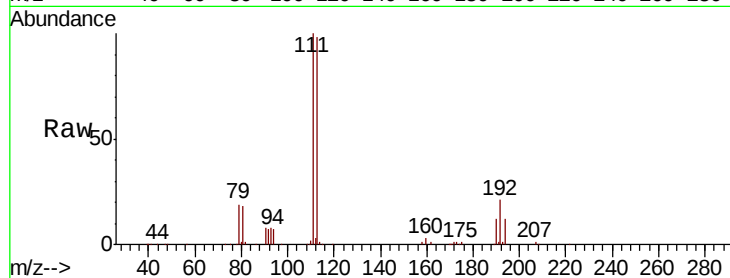




#35  
 Dibromofluoromethane  
 Concen: 52.561 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VY003106.D  
 Acq: 06 Jul 2020 12:26

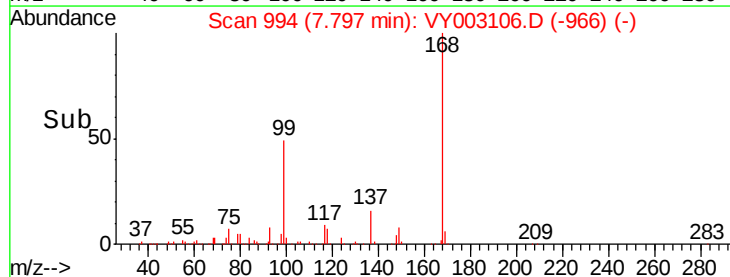
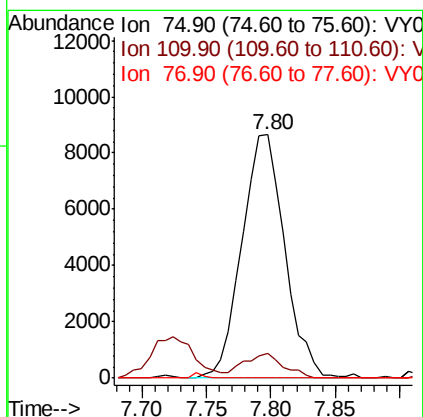
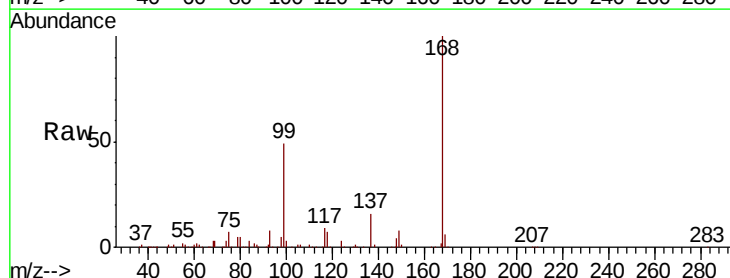
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-8\_11-11.5

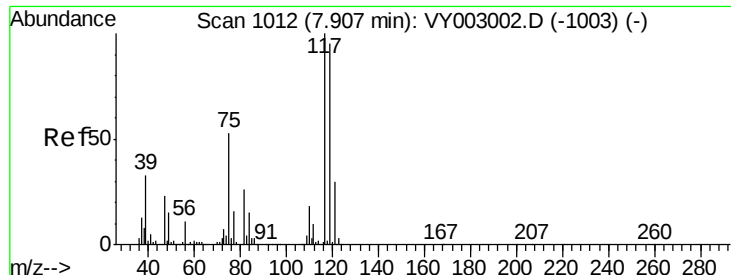
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.5 | 82.6  | 123.8 |
| 192     | 22.8  | 18.1  | 27.1  |



#36  
 1,1-Dichloropropene  
 Concen: 4.636 ug/l  
 RT: 7.80 min Scan# 994  
 Delta R.T. -0.13 min  
 Lab File: VY003106.D  
 Acq: 06 Jul 2020 12:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.1   | 17.1  | 51.2# |
| 77      | 0.0   | 24.9  | 37.3# |





#38

Carbon Tetrachloride

Concen: 5.580 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003106.D

Acq: 06 Jul 2020 12:26

Instrument :

MSVOA\_Y

ClientSampleId :

SB-8\_11-11.5

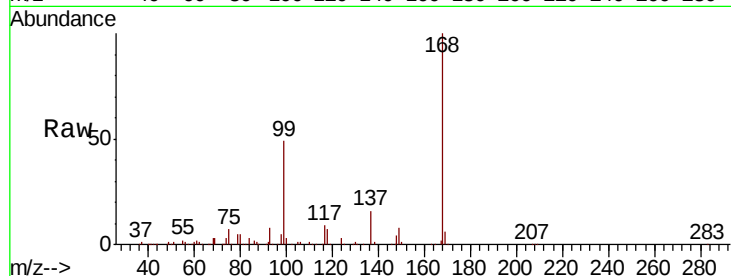
Tot Ion:117 Resp: 24924

Ion Ratio Lower Upper

117 100

119 3.9 75.7 113.5#

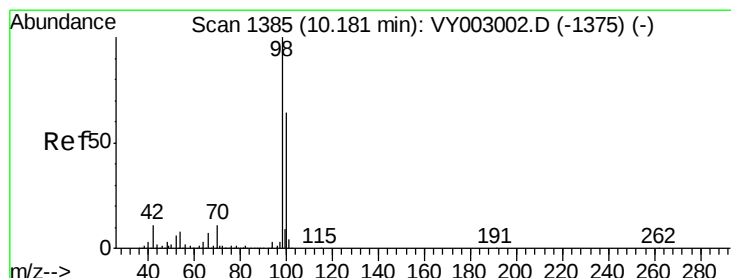
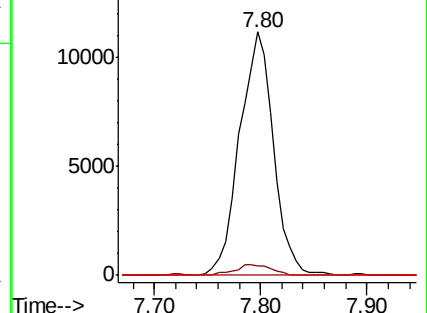
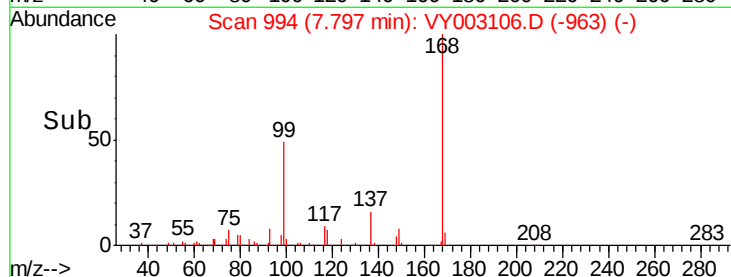
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.140 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003106.D

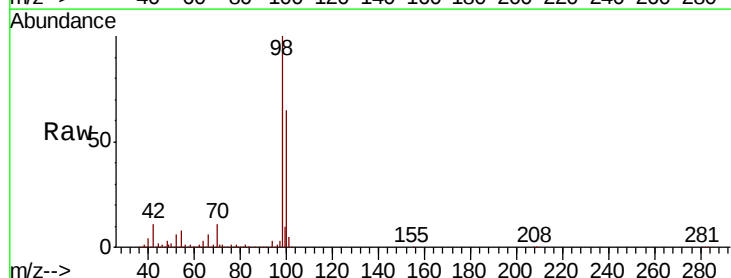
Acq: 06 Jul 2020 12:26

Tgt Ion: 98 Resp: 540099

Ion Ratio Lower Upper

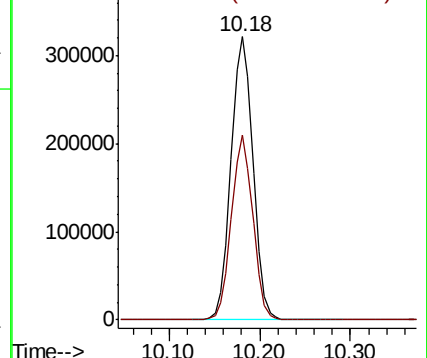
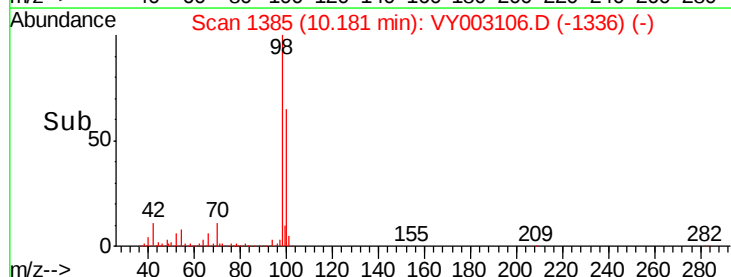
98 100

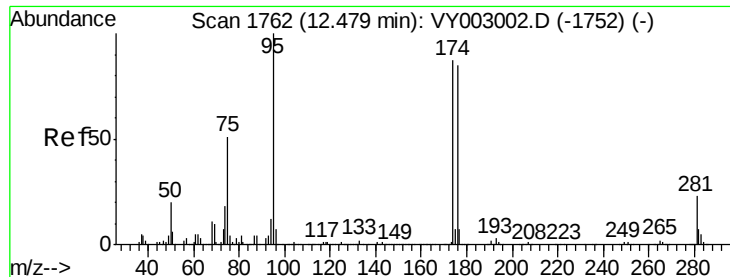
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 52.709 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003106.D

Acq: 06 Jul 2020 12:26

Instrument :

MSVOA\_Y

ClientSampleId :

SB-8\_11-11.5

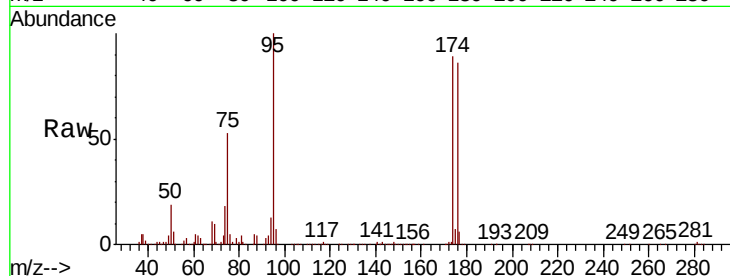
Tot Ion: 95 Resp: 192187

Ion Ratio Lower Upper

95 100

174 94.7 0.0 184.8

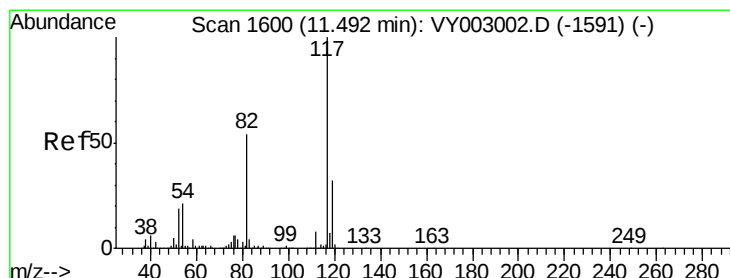
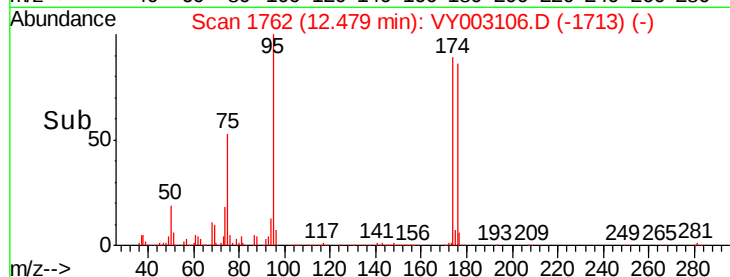
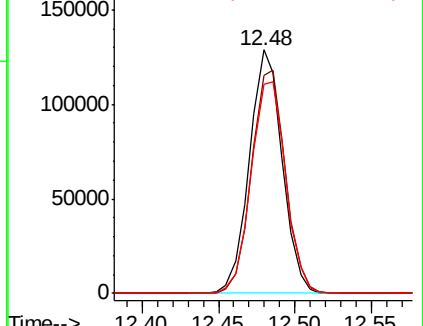
176 92.0 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY003106.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY003106.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY003106.D (-1752) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003106.D

Acq: 06 Jul 2020 12:26

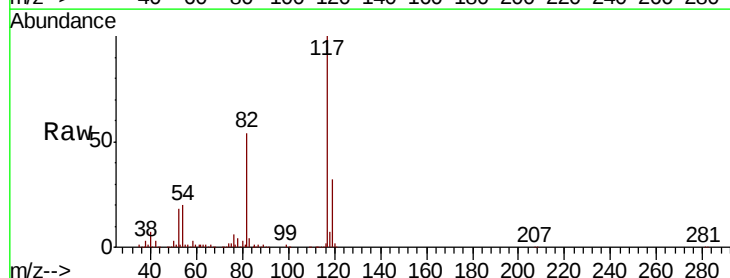
Tgt Ion: 117 Resp: 429390

Ion Ratio Lower Upper

117 100

82 53.9 43.0 64.6

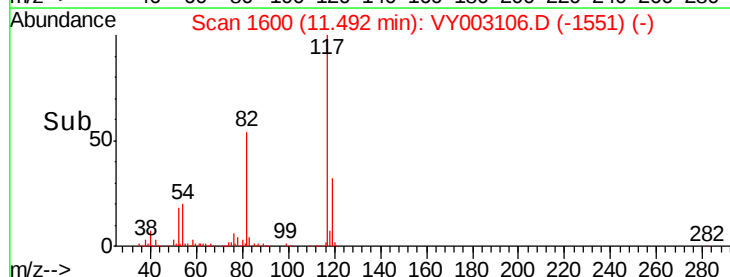
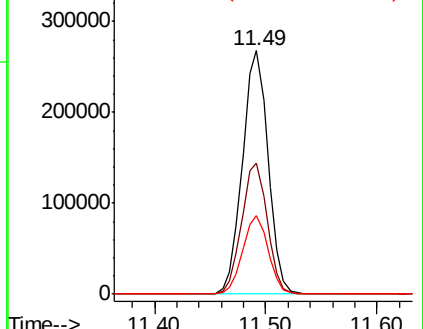
119 32.2 25.8 38.8

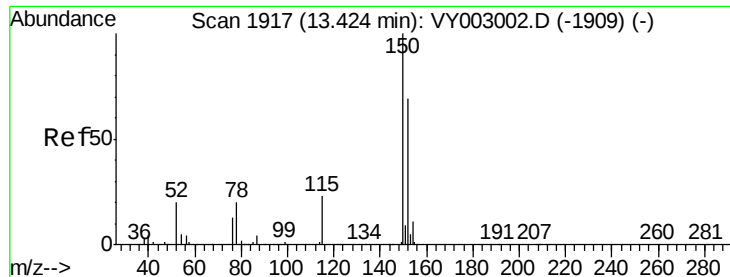


Abundance Ion 116.90 (116.60 to 117.60): VY003106.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003106.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003106.D (-1551) (-)



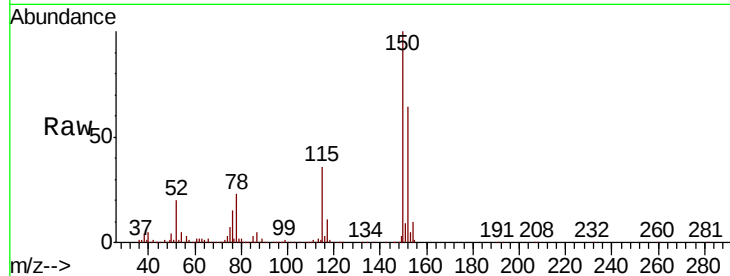


#72

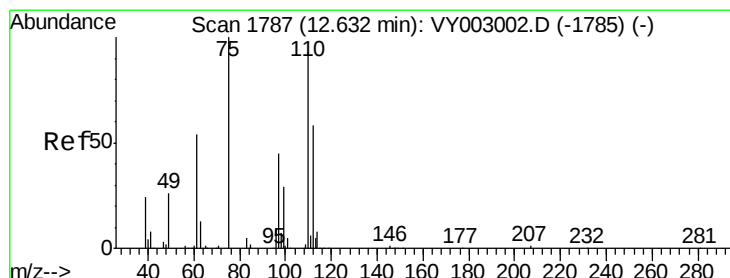
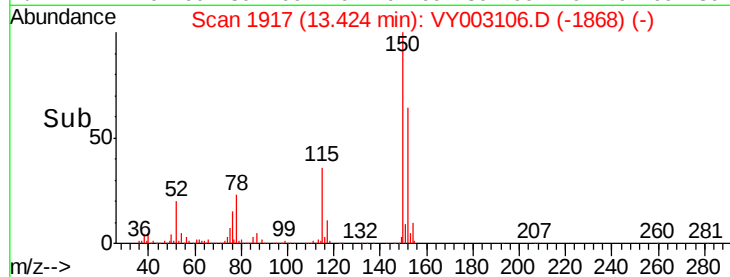
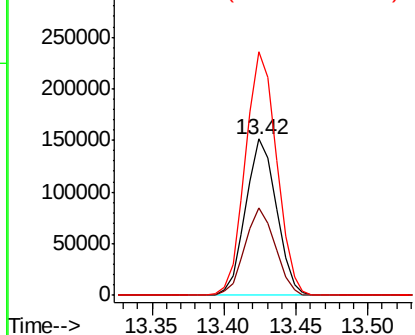
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY003106.D  
Acq: 06 Jul 2020 12:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-8\_11-11.5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.3  | 27.3  | 81.9  |
| 150     | 158.3 | 0.0   | 343.4 |



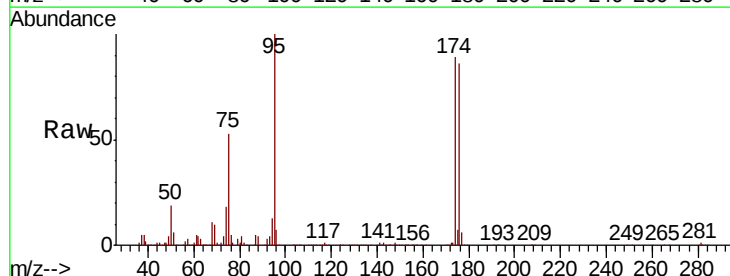
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



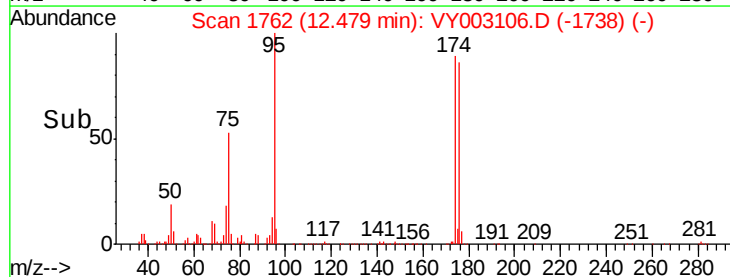
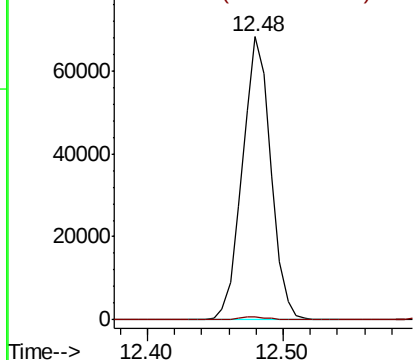
#76

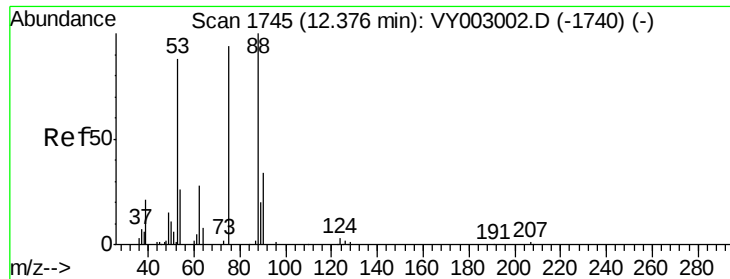
1,2,3-Trichloropropane  
Concen: 44.858 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.15 min  
Lab File: VY003106.D  
Acq: 06 Jul 2020 12:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 1.3   | 0.0   | 0.0#  |



Abundance Ion 74.90 (74.60 to 75.60): VY0  
Ion 77.00 (76.70 to 77.70): VY0

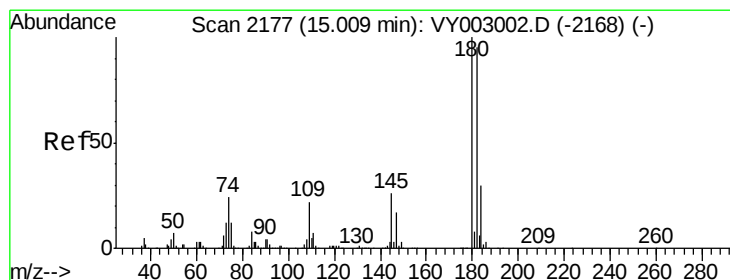
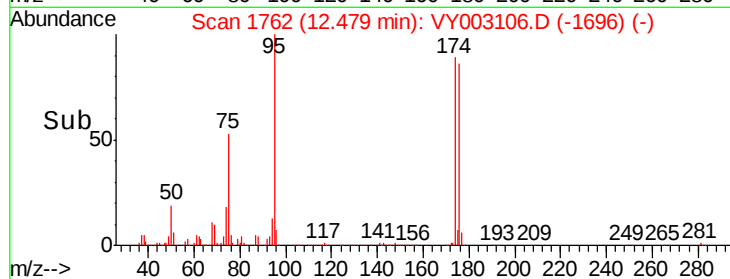
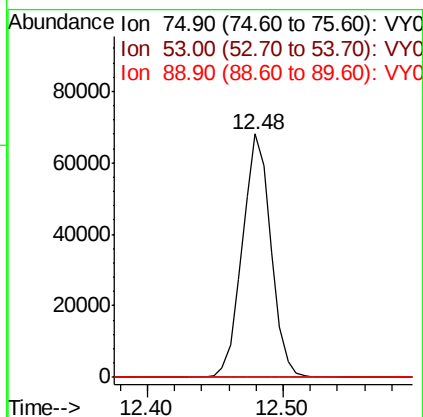
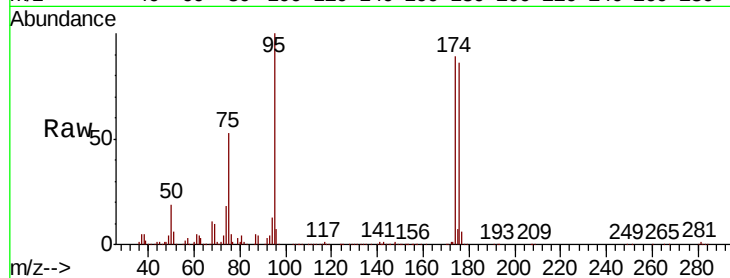




#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.274 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. 0.10 min  
Lab File: VY003106.D  
Acq: 06 Jul 2020 12:26

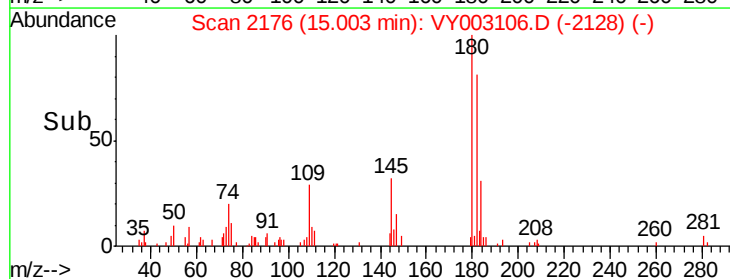
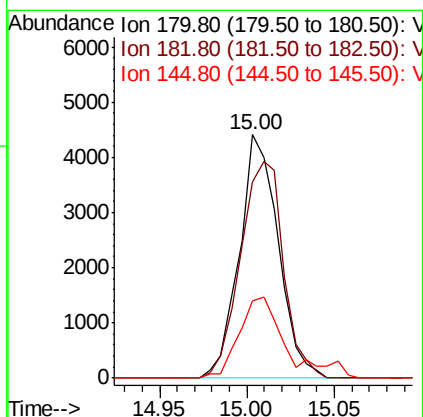
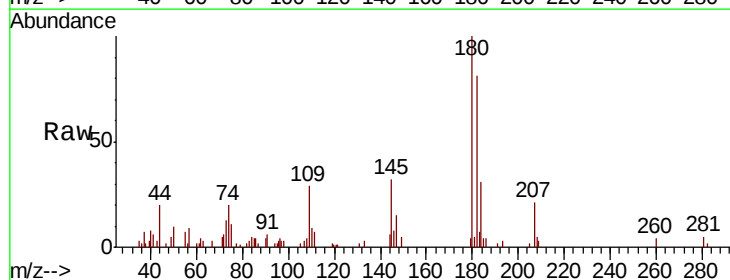
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-8\_11-11.5

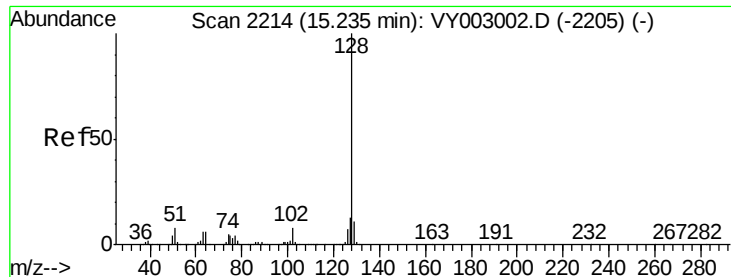
Tot Ion: 75 Resp: 99485  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.9 110.9#  
89 0.0 37.5 56.3#



#93  
1,2,4-Trichlorobenzene  
Concen: 1.458 ug/l  
RT: 15.00 min Scan# 2176  
Delta R.T. -0.01 min  
Lab File: VY003106.D  
Acq: 06 Jul 2020 12:26

Tgt Ion:180 Resp: 6824  
Ion Ratio Lower Upper  
180 100  
182 98.0 48.1 144.3  
145 40.3 13.9 41.6

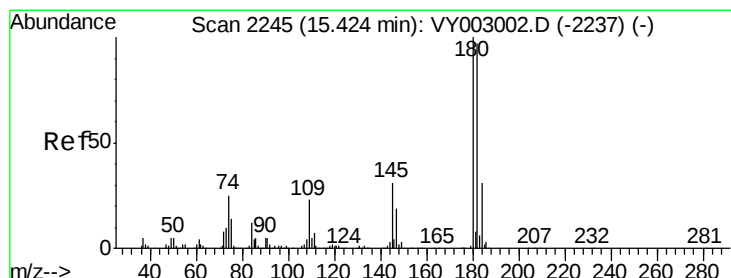
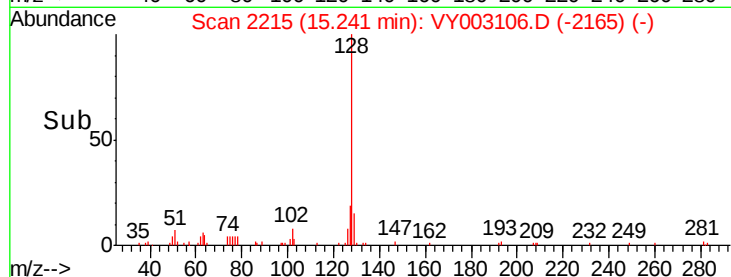
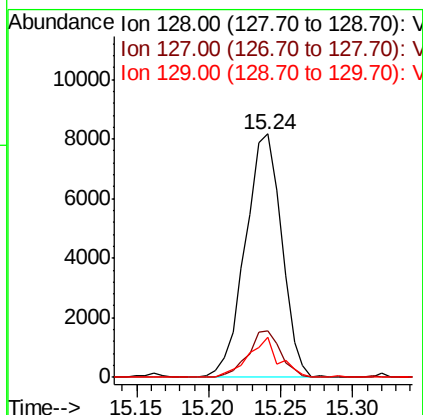
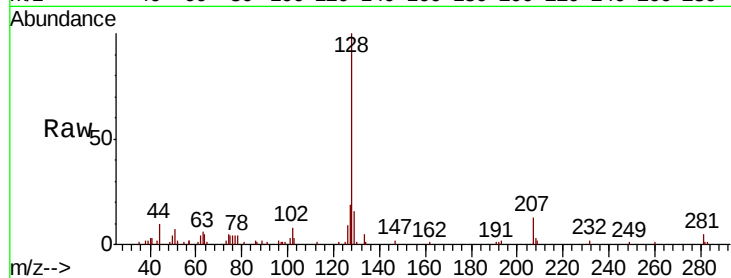




#95  
Naphthalene  
Concen: 1.665 ug/l  
RT: 15.24 min Scan# 2215  
Delta R.T. 0.01 min  
Lab File: VY003106.D  
Acq: 06 Jul 2020 12:26

Instrument :  
MSVOA\_Y  
ClientSampled :  
SB-8\_11-11.5

Tot Ion:128 Resp: 14230  
Ion Ratio Lower Upper  
128 100  
127 17.1 10.8 16.2#  
129 13.9 8.8 13.2#



#96  
1,2,3-Trichlorobenzene  
Concen: 1.620 ug/l  
RT: 15.43 min Scan# 2246  
Delta R.T. 0.01 min  
Lab File: VY003106.D  
Acq: 06 Jul 2020 12:26

Tgt Ion:180 Resp: 6583  
Ion Ratio Lower Upper  
180 100  
182 95.4 47.8 143.3  
145 37.2 14.7 44.1

