

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071620\  
 Data File : VY003219.D  
 Acq On : 16 Jul 2020 18:59  
 Operator : SY/MD  
 Sample : L3308-12  
 Misc : 5.03G/5ML/MSVOA Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 12

Quant Time: Jul 17 05:22:31 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  | 9726     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 14399    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 11407    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 1947     | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.14   | 65  | 6548     | 79.77 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 159.54% |      |
| 35) Dibromofluoromethane  | 7.72   | 113 | 4814     | 58.10 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 116.20% |      |
| 50) Toluene-d8            | 10.18  | 98  | 16710    | 54.24 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.48% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 4073     | 36.60 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 73.20%  |      |

## Target Compounds

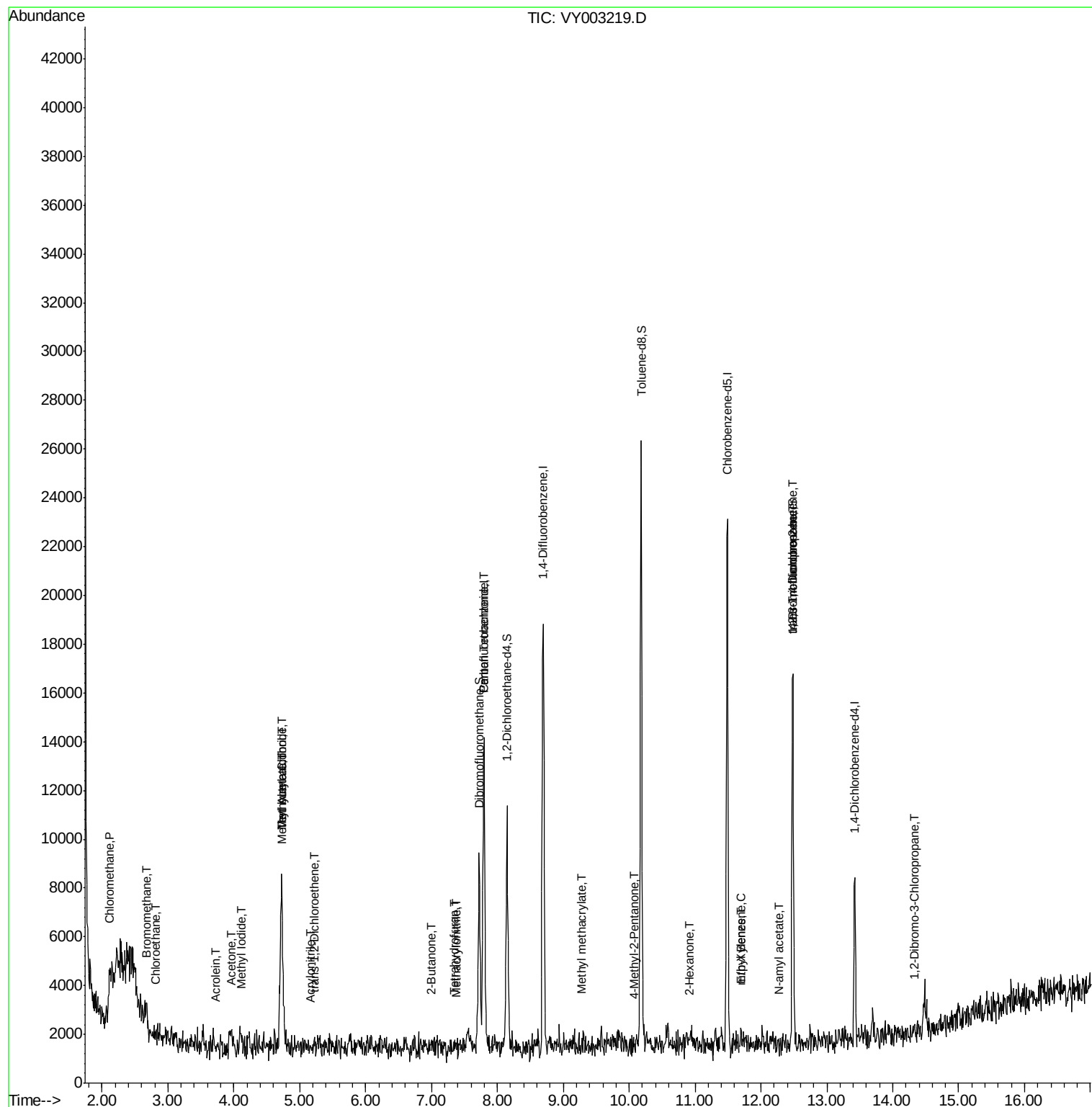
|                                |       |     |      |         |        | Qvalue |
|--------------------------------|-------|-----|------|---------|--------|--------|
| 3) Chloromethane               | 2.11  | 50  | 1011 | 10.456  | ug/l   | 92     |
| 5) Bromomethane                | 2.68  | 94  | 628  | 8.522   | ug/l   | 81     |
| 6) Chloroethane                | 2.82  | 64  | 178  | 2.732   | ug/l # | 42     |
| 10) Methyl Iodide              | 4.11  | 142 | 1509 | 16.232  | ug/l   | 91     |
| 11) Tert butyl alcohol         | 4.72  | 59  | 22   | 2.478   | ug/l # | 72     |
| 13) Acrolein                   | 3.72  | 56  | 47   | 6.100   | ug/l # | 15     |
| 15) Acrylonitrile              | 5.18  | 53  | 33   | 1.447   | ug/l # | 69     |
| 16) Acetone                    | 3.96  | 43  | 1500 | 81.803  | ug/l   | 95     |
| 18) Methyl Acetate             | 4.74  | 43  | 52   | 1.021   | ug/l # | 49     |
| 20) Methylene Chloride         | 4.72  | 84  | 4646 | 50.403  | ug/l # | 90     |
| 21) trans-1,2-Dichloroethene   | 5.22  | 96  | 170  | 1.857   | ug/l # | 1      |
| 25) 2-Butanone                 | 7.00  | 43  | 78   | 2.591   | ug/l # | 49     |
| 29) Tetrahydrofuran            | 7.35  | 42  | 27   | 1.335   | ug/l # | 32     |
| 38) Carbon Tetrachloride       | 7.80  | 117 | 974  | 7.230   | ug/l # | 32     |
| 41) Methacrylonitrile          | 7.38  | 41  | 61   | 1.441   | ug/l # | 1      |
| 48) Methyl methacrylate        | 9.28  | 41  | 73   | 1.200   | ug/l # | 10     |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43  | 74   | 1.047   | ug/l # | 34     |
| 59) 2-Hexanone                 | 10.91 | 43  | 51   | 1.033   | ug/l # | 23     |
| 67) Ethyl Benzene              | 11.70 | 91  | 450  | 1.147   | ug/l # | 84     |
| 68) m/p-Xylenes                | 11.70 | 106 | 195  | 1.310   | ug/l   | 79     |
| 74) N-amyl acetate             | 12.27 | 43  | 52   | 1.494   | ug/l # | 41     |
| 76) 1,2,3-Trichloropropane     | 12.47 | 75  | 2283 | 132.468 | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.47 | 75  | 2283 | 257.809 | ug/l # | 13     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.33 | 75  | 27   | 6.950   | ug/l # | 1      |

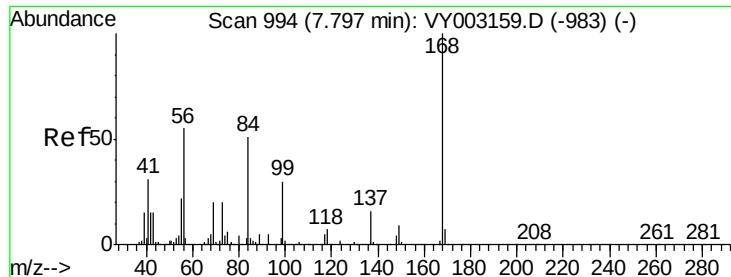
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071620\  
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Sample : L3308-12  
Misc : 5.03G/5ML/MSVOA Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
12

Quant Time: Jul 17 05:22:31 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: VY003219.D

Acq: 16 Jul 2020 18:59

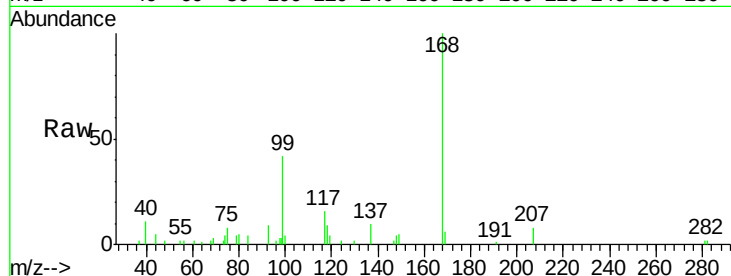
Instrument :  
MSVOA\_Y  
ClientSampled :  
12

Tot Ion:168 Resp: 9726

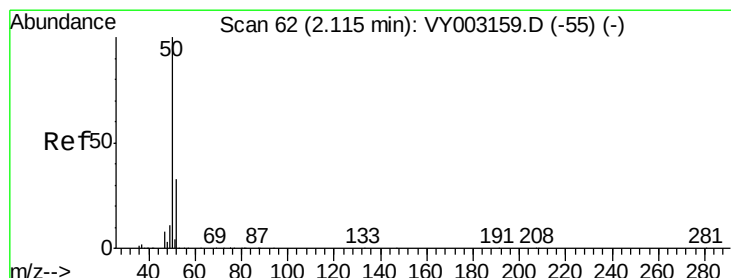
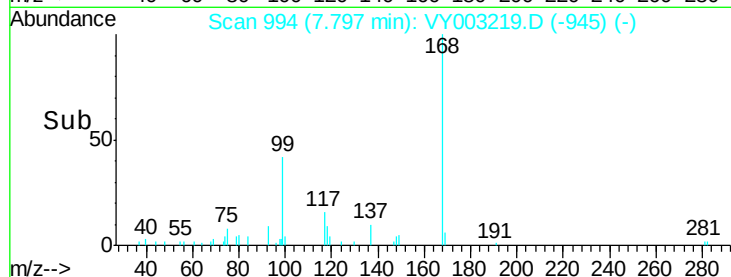
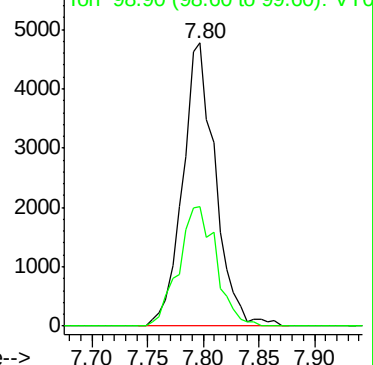
Ion Ratio Lower Upper

168 100

99 42.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003219.D (-945) (-)



#3

Chloromethane

Concen: 10.456 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003219.D

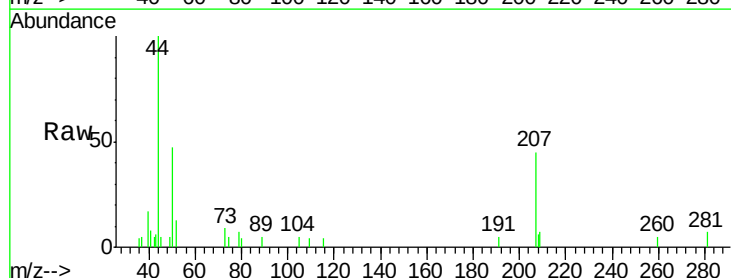
Acq: 16 Jul 2020 18:59

Tgt Ion: 50 Resp: 1011

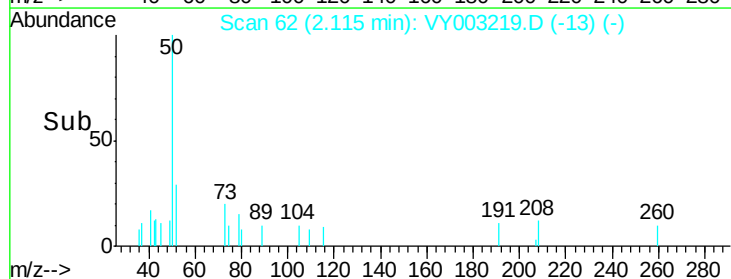
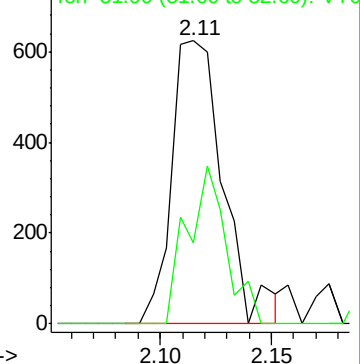
Ion Ratio Lower Upper

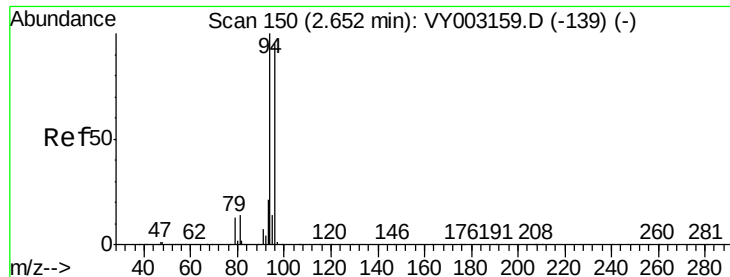
50 100

52 28.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY003219.D (-13) (-)





#5

Bromomethane

Concen: 8.522 ug/l

RT: 2.68 min Scan# 154

Delta R.T. 0.02 min

Lab File: VY003219.D

Acq: 16 Jul 2020 18:59

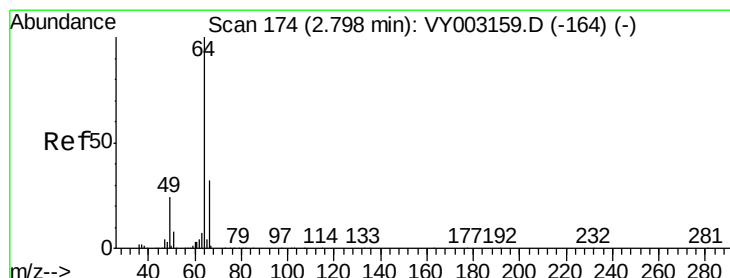
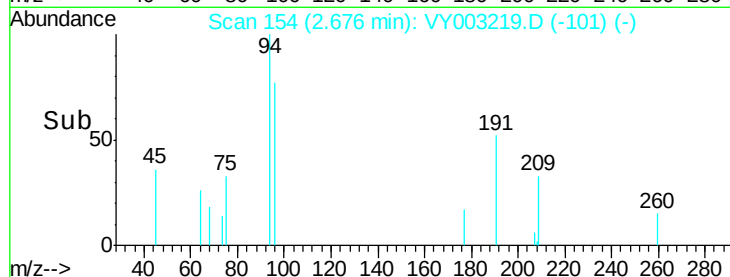
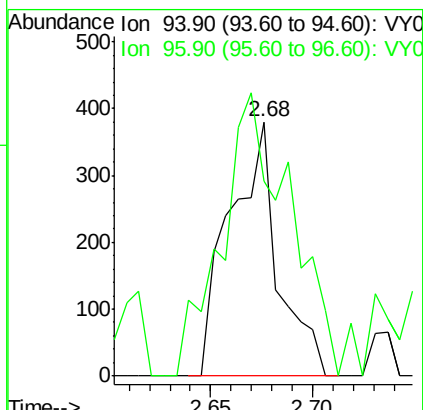
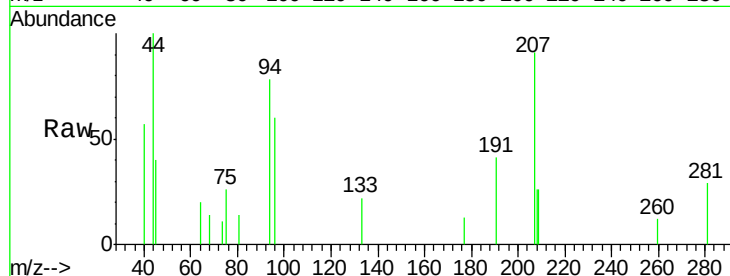
Instrument :  
MSVOA\_Y  
ClientSampled :  
12

Tot Ion: 94 Resp: 628

Ion Ratio Lower Upper

94 100

96 76.6 76.0 114.0



#6

Chloroethane

Concen: 2.732 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.02 min

Lab File: VY003219.D

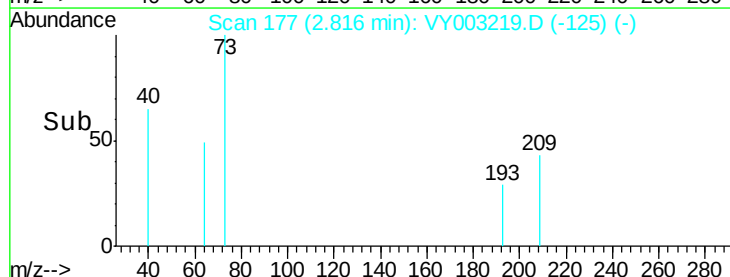
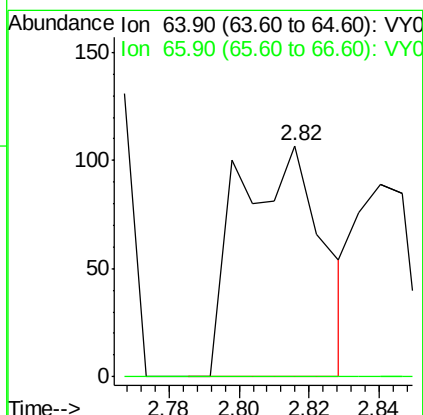
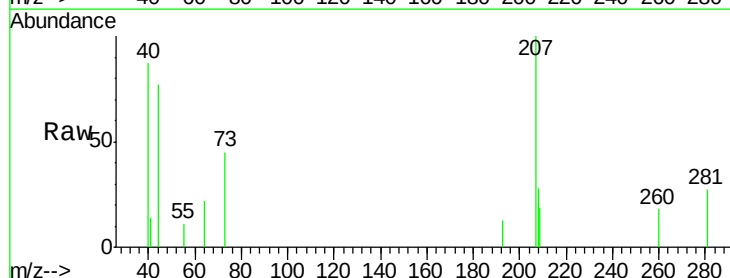
Acq: 16 Jul 2020 18:59

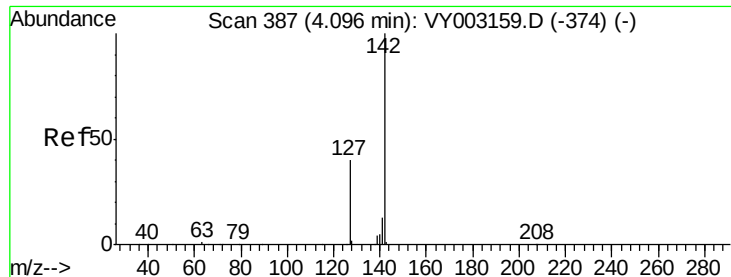
Tgt Ion: 64 Resp: 178

Ion Ratio Lower Upper

64 100

66 0.0 26.0 39.0#

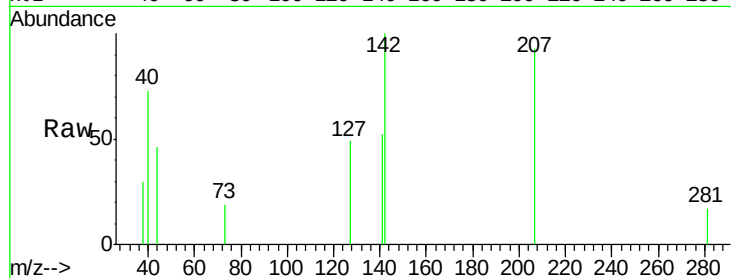




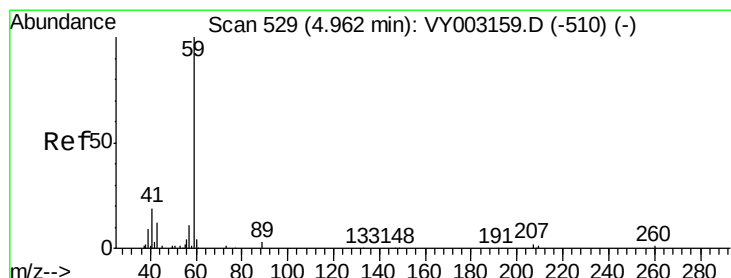
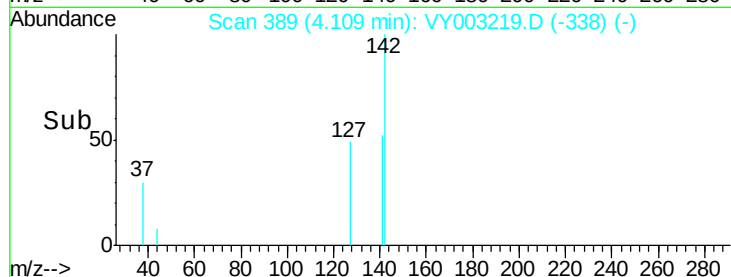
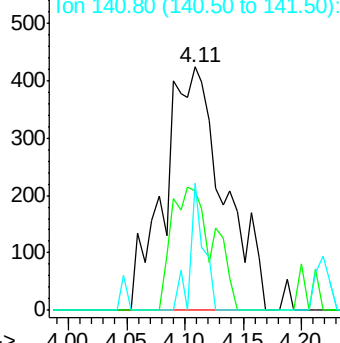
#10  
Methvl Iodide  
Concen: 16.232 ug/l  
RT: 4.11 min Scan# 389  
Delta R.T. 0.01 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
12

Tot Ion:142 Resp: 1509  
Ion Ratio Lower Upper  
142 100  
127 35.7 33.5 50.3  
141 12.0 11.2 16.8

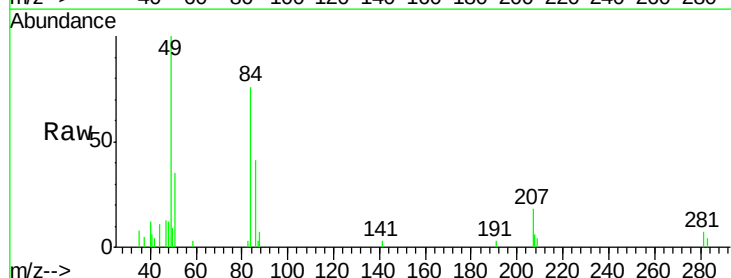


Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V

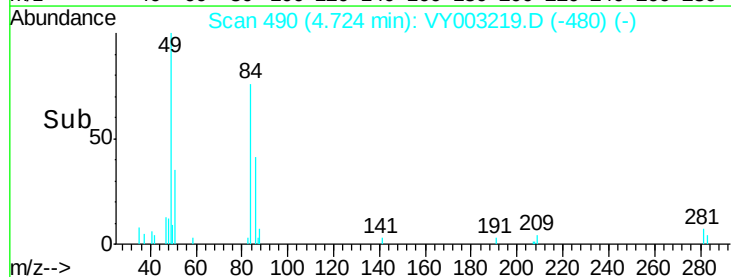
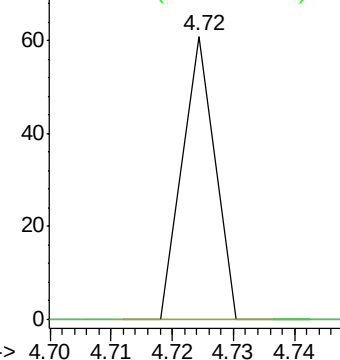


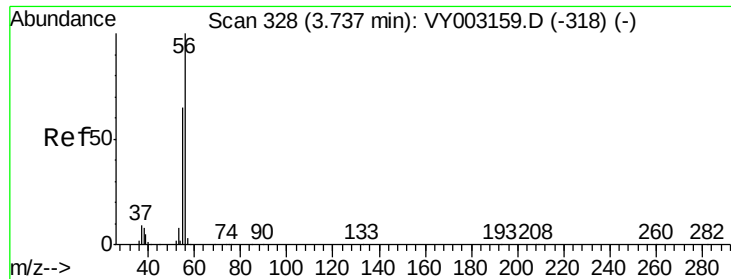
#11  
Tert butyl alcohol  
Concen: 2.478 ug/l  
RT: 4.72 min Scan# 490  
Delta R.T. -0.24 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

Tgt Ion: 59 Resp: 22  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY0  
Ion 57.00 (56.70 to 57.70): VY0





#13

Acrolein

Concen: 6.100 ug/l

RT: 3.72 min Scan# 326

Delta R.T. -0.01 min

Lab File: VY003219.D

Acq: 16 Jul 2020 18:59

Instrument :

MSVOA\_Y

ClientSampleId :

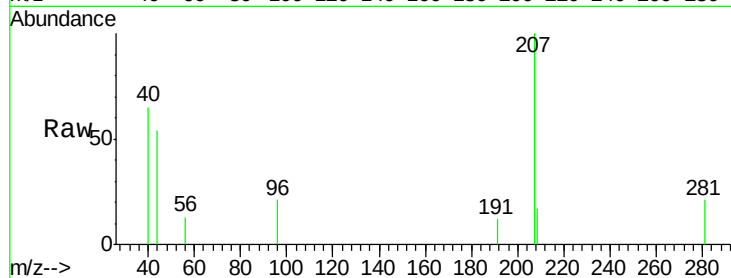
12

Tot Ion: 56 Resp: 47

Ion Ratio Lower Upper

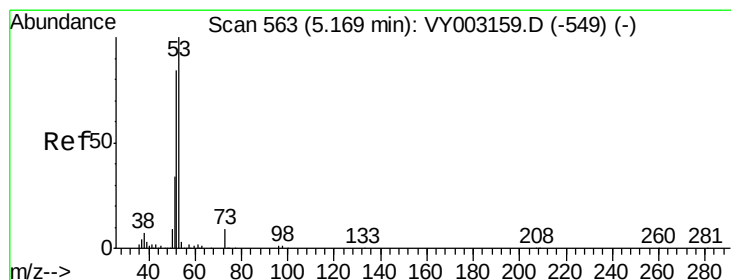
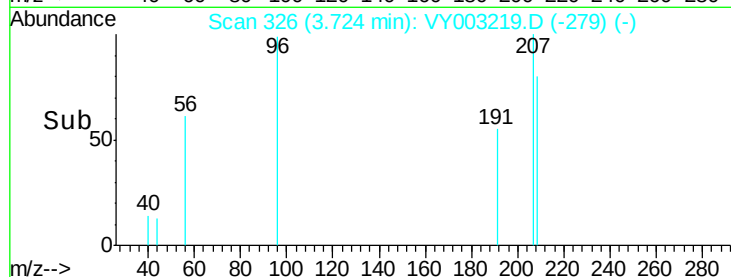
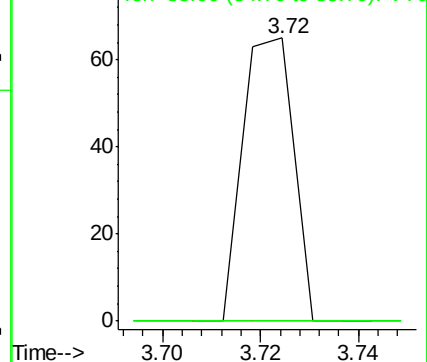
56 100

55 0.0 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#15

Acrylonitrile

Concen: 1.447 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.01 min

Lab File: VY003219.D

Acq: 16 Jul 2020 18:59

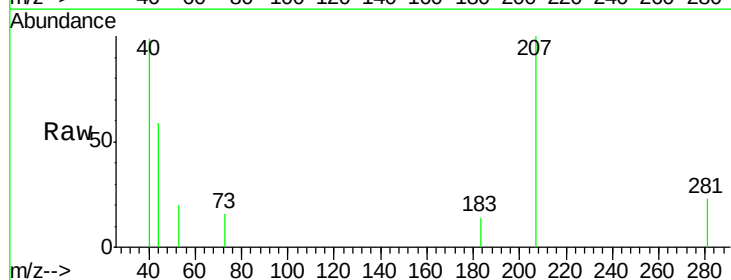
Tgt Ion: 53 Resp: 33

Ion Ratio Lower Upper

53 100

52 72.7 65.8 98.6

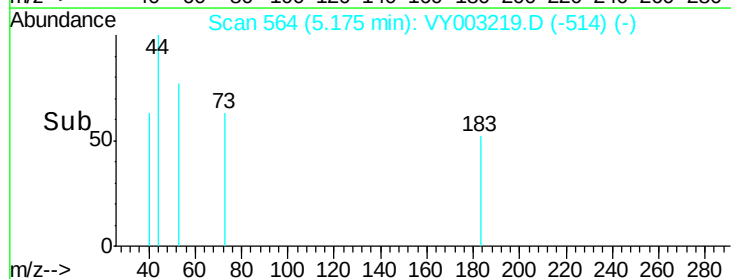
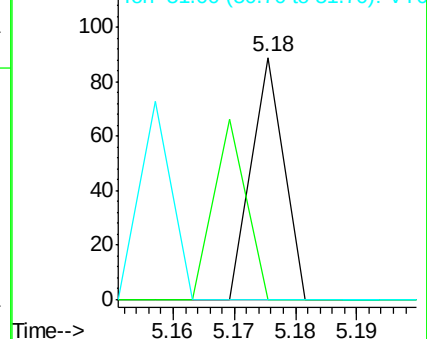
51 81.8 29.0 43.4#

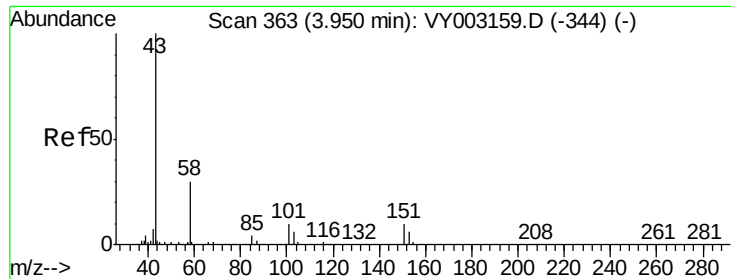


Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0





#16

Acetone

Concen: 81.803 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003219.D

Acq: 16 Jul 2020 18:59

Instrument :

MSVOA\_Y

ClientSampled :

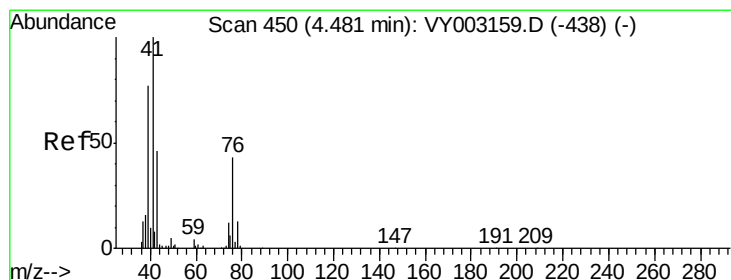
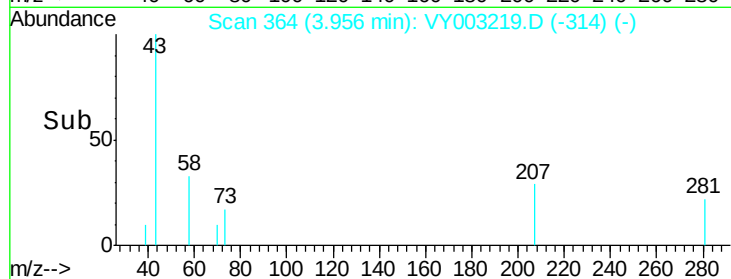
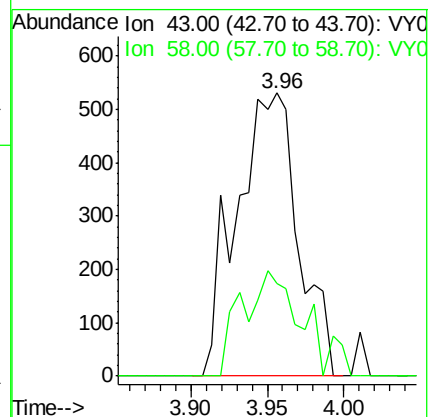
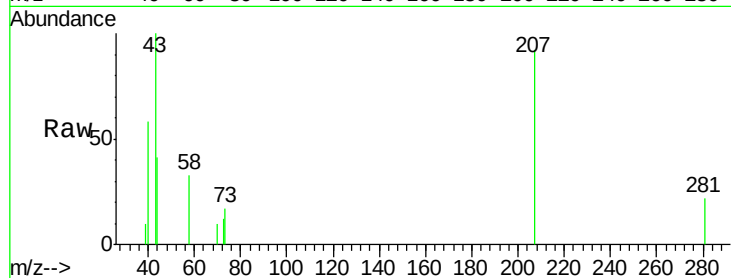
12

Tot Ion: 43 Resp: 1500

Ion Ratio Lower Upper

43 100

58 32.6 23.8 35.6



#18

Methyl Acetate

Concen: 1.021 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.26 min

Lab File: VY003219.D

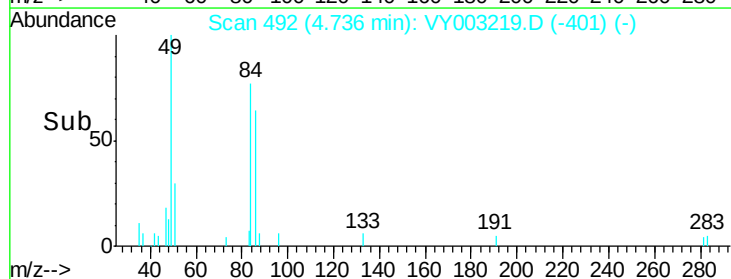
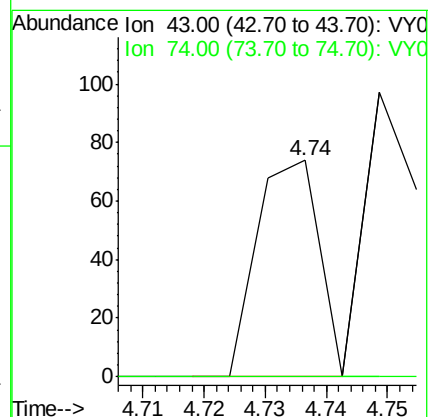
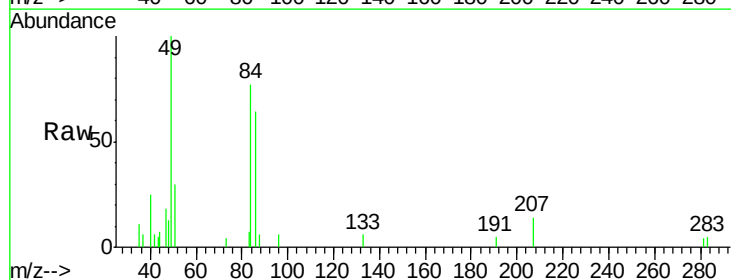
Acq: 16 Jul 2020 18:59

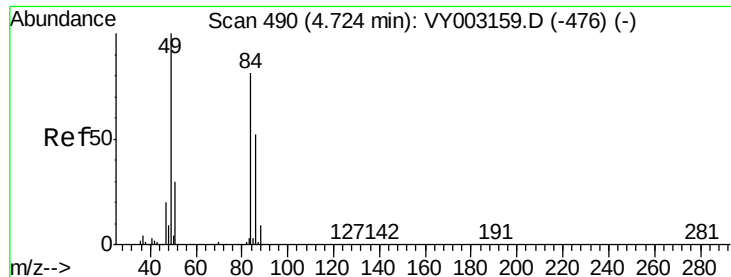
Tgt Ion: 43 Resp: 52

Ion Ratio Lower Upper

43 100

74 0.0 20.8 31.2#

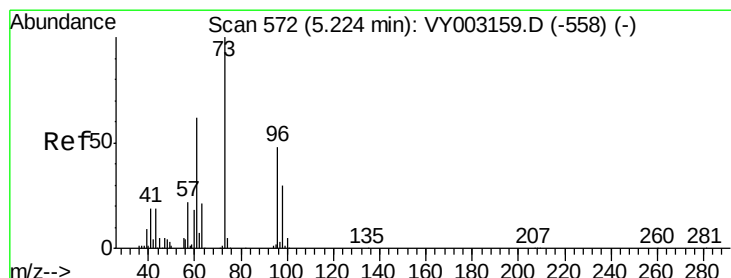
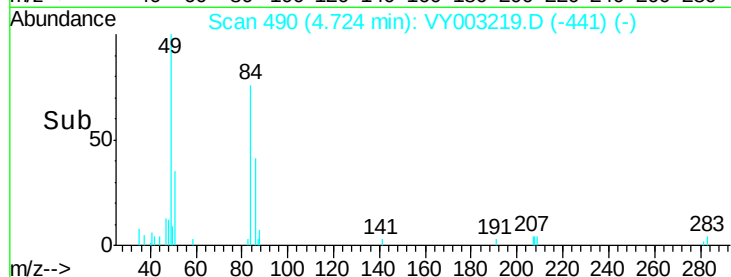
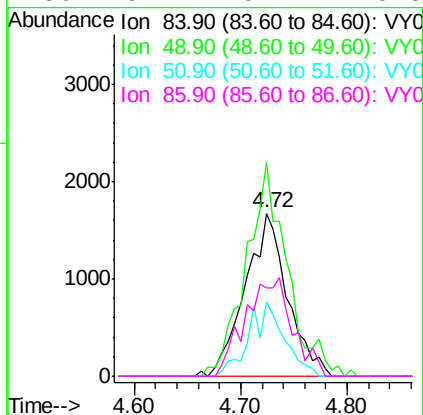
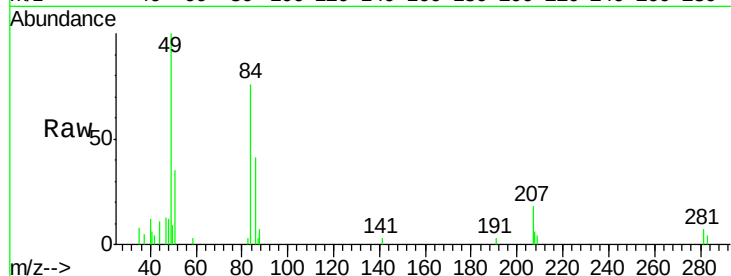




#20  
Methylene Chloride  
Concen: 50.403 ug/l  
RT: 4.72 min Scan# 490  
Delta R.T. 0.00 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

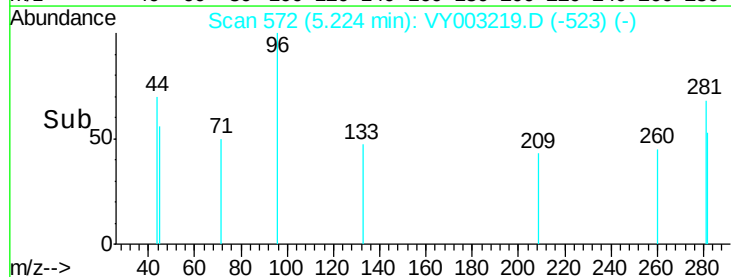
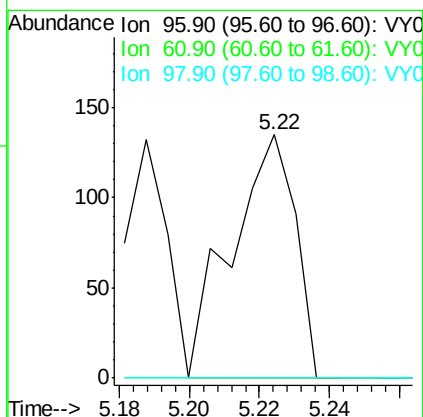
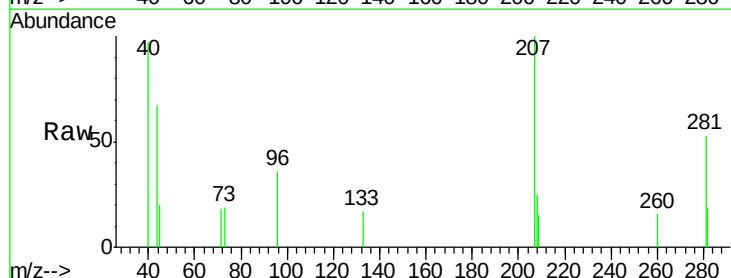
Instrument :  
MSVOA\_Y  
ClientSampled :  
12

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 4646  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 131.3 | 98.2  | 147.4 |
| 51       | 45.7  | 29.8  | 44.6# |
| 86       | 54.1  | 51.2  | 76.8  |

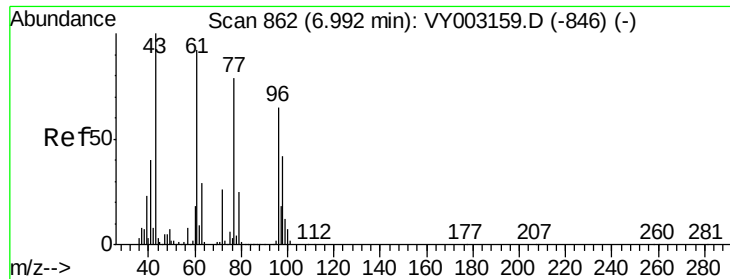


#21  
trans-1,2-Dichloroethene  
Concen: 1.857 ug/l  
RT: 5.22 min Scan# 572  
Delta R.T. -0.00 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 170    |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 0.0   | 102.5 | 153.7# |
| 98       | 0.0   | 49.8  | 74.8#  |







#25

2-Butanone

Concen: 2.591 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003219.D

Acq: 16 Jul 2020 18:59

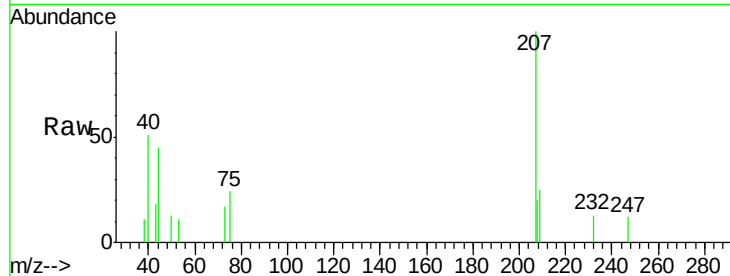
Instrument :  
MSVOA\_Y  
ClientSampled :  
12

Tot Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#

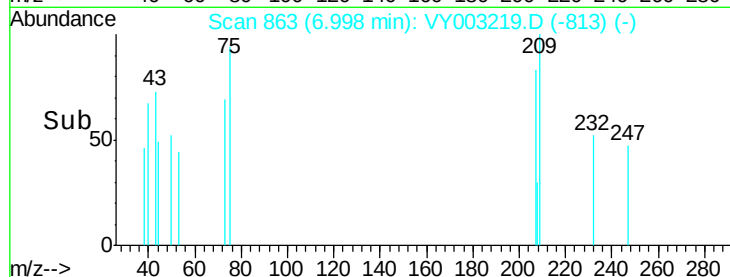


Abundance Ion 43.00 (42.70 to 43.70): VY0

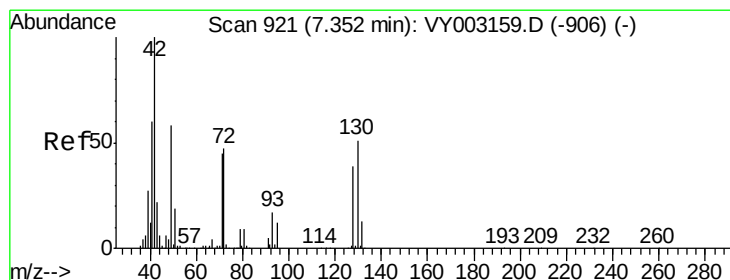
Ion 72.00 (71.70 to 72.70): VY0

7.00

Time-->



Time-->



#29

Tetrahydrofuran

Concen: 1.335 ug/l

RT: 7.35 min Scan# 921

Delta R.T. -0.00 min

Lab File: VY003219.D

Acq: 16 Jul 2020 18:59

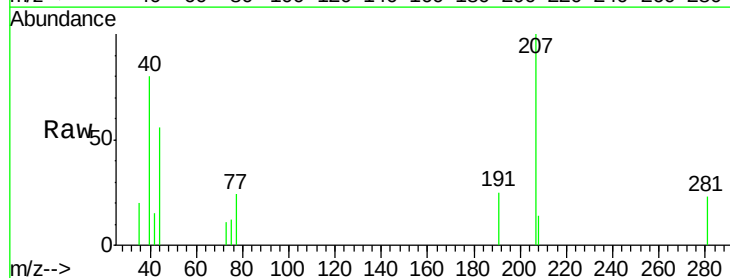
Tgt Ion: 42 Resp: 27

Ion Ratio Lower Upper

42 100

72 0.0 36.7 55.1#

71 0.0 34.2 51.4#



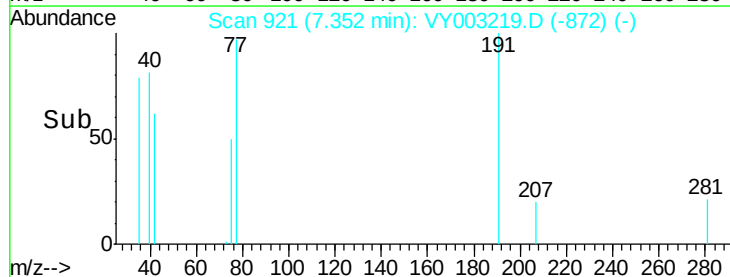
Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

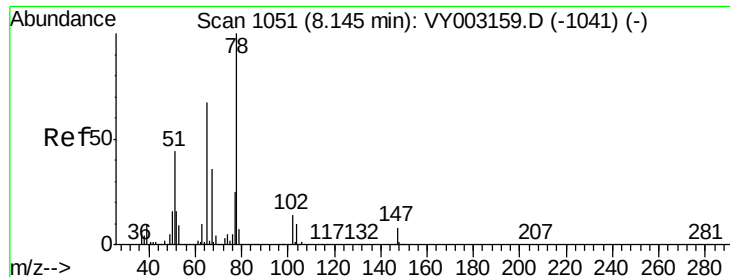
Ion 71.00 (70.70 to 71.70): VY0

7.35

Time-->



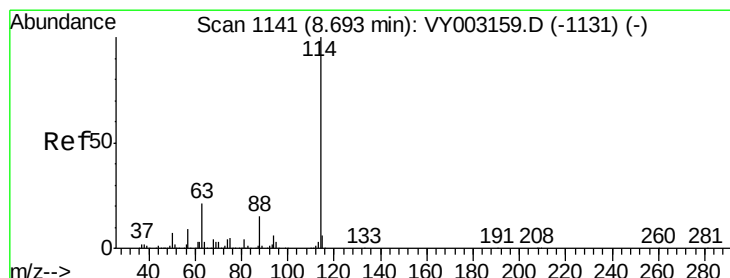
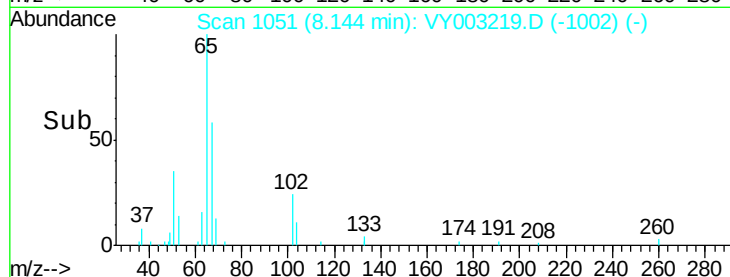
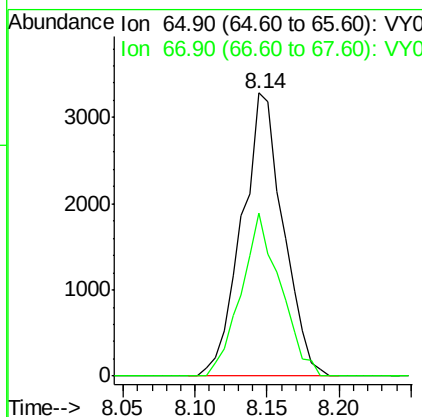
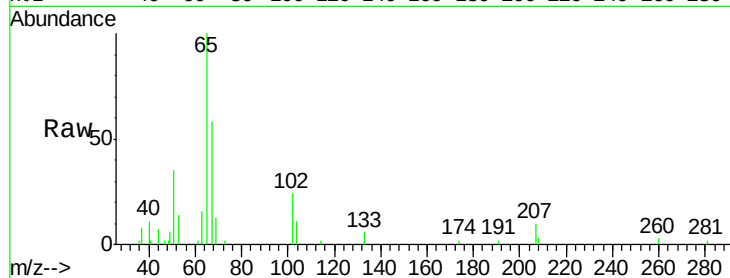
Time-->



#33  
 1,2-Dichloroethane-d4  
 Concen: 79.765 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VY003219.D  
 Acq: 16 Jul 2020 18:59

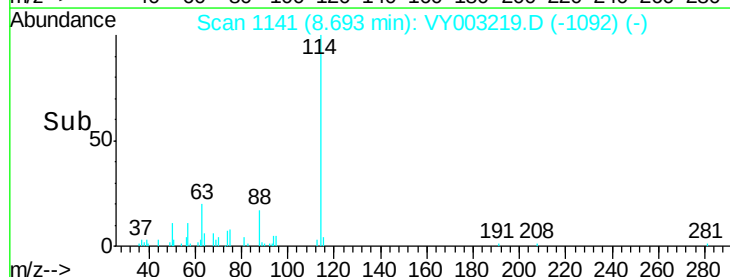
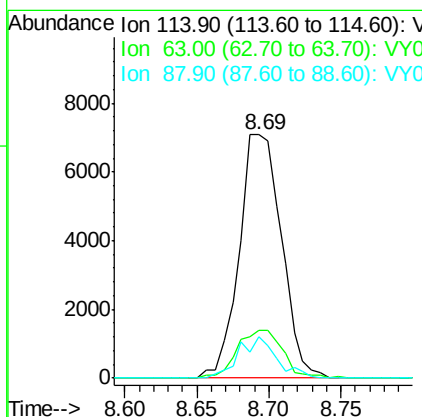
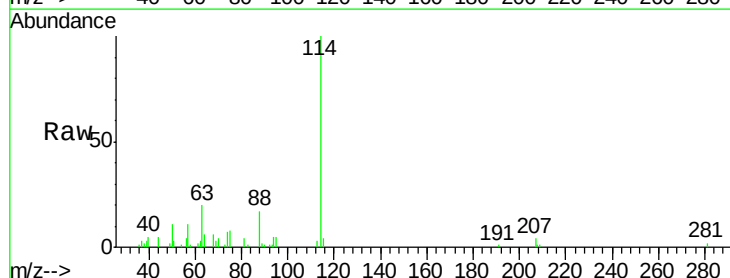
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 12

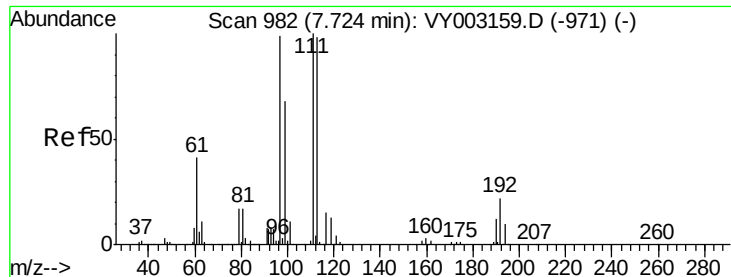
Tot Ion: 65 Resp: 6548  
 Ion Ratio Lower Upper  
 65 100  
 67 54.6 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.00 min  
 Lab File: VY003219.D  
 Acq: 16 Jul 2020 18:59

Tgt Ion: 114 Resp: 14399  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 41.2  
 88 16.9 0.0 30.2

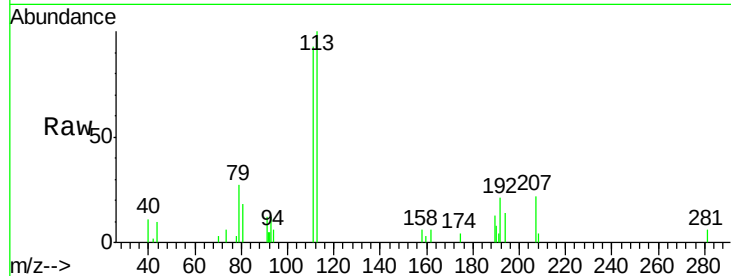




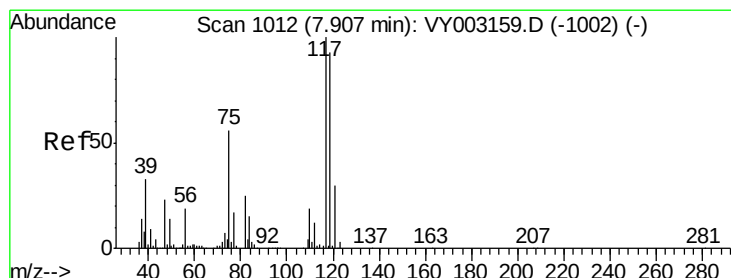
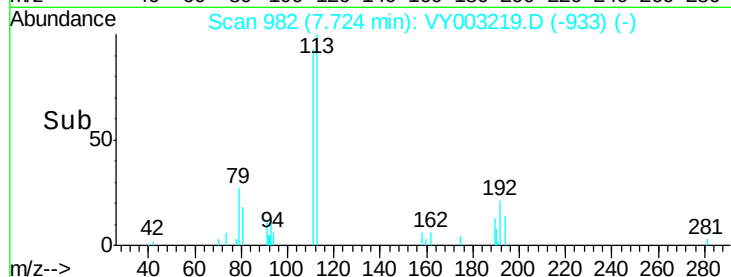
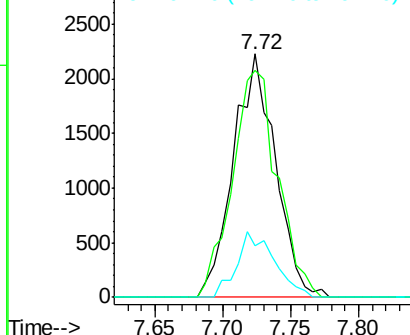
#35  
 Dibromofluoromethane  
 Concen: 58.096 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VY003219.D  
 Acq: 16 Jul 2020 18:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 12

Tot Ion:113 Resp: 4814  
 Ion Ratio Lower Upper  
 113 100  
 111 99.7 82.1 123.1  
 192 24.0 18.8 28.2

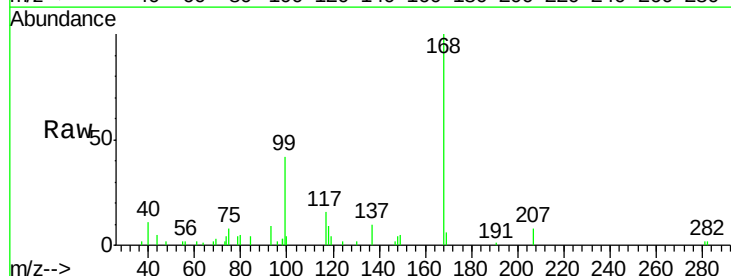


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

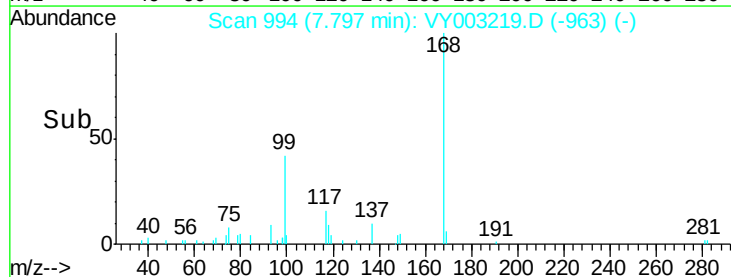
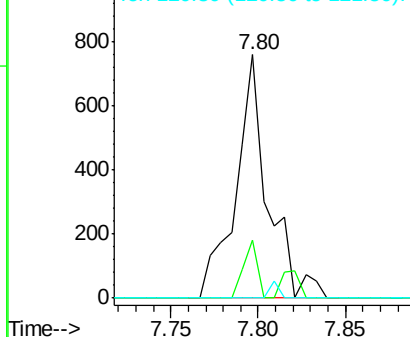


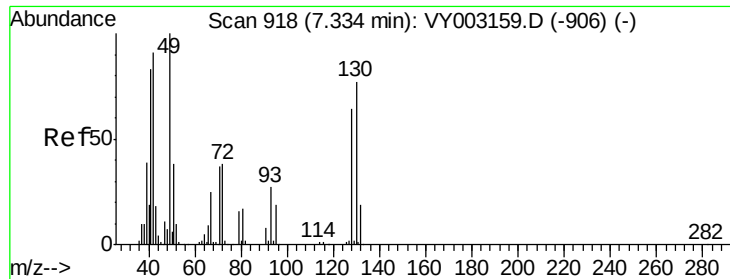
#38  
 Carbon Tetrachloride  
 Concen: 7.230 ug/l  
 RT: 7.80 min Scan# 994  
 Delta R.T. -0.11 min  
 Lab File: VY003219.D  
 Acq: 16 Jul 2020 18:59

Tgt Ion:117 Resp: 974  
 Ion Ratio Lower Upper  
 117 100  
 119 24.0 74.5 111.7#  
 121 0.0 24.2 36.2#



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

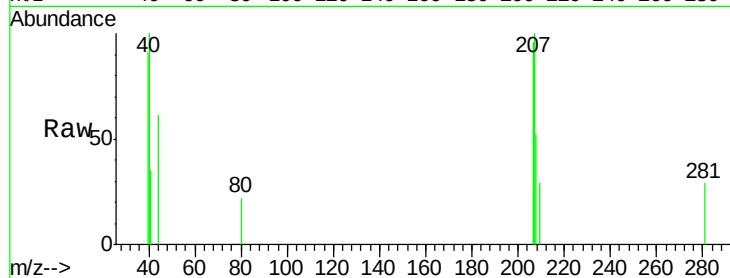




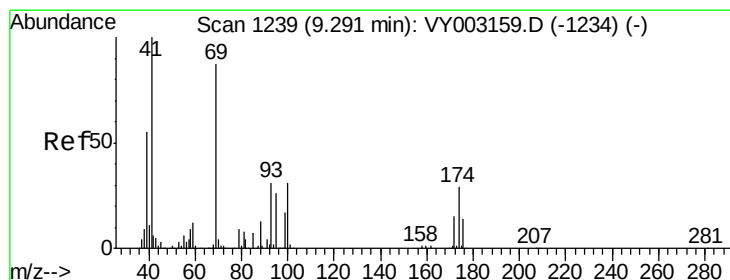
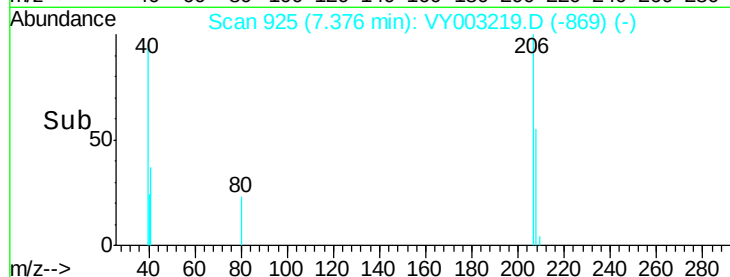
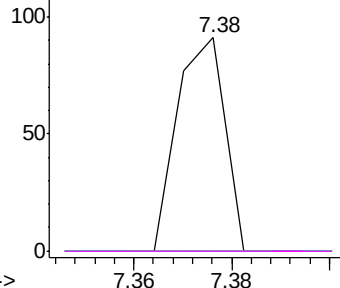
#41  
Methacrylonitrile  
Concen: 1.441 ug/l  
RT: 7.38 min Scan# 925  
Delta R.T. 0.04 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
12

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 61     |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 0.0   | 83.3  | 124.9# |
| 67       | 0.0   | 0.0   | 0.0    |
| 52       | 0.0   | 0.0   | 0.0    |

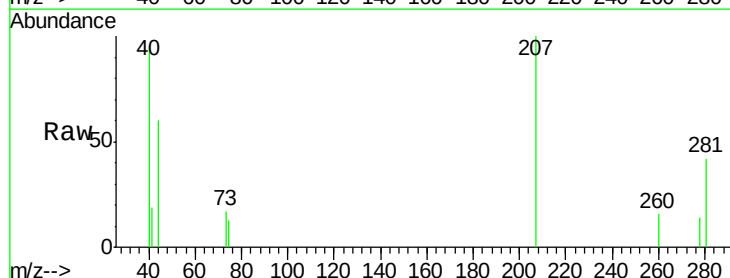


Abundance Ion 41.00 (40.70 to 41.70): VY0  
Ion 39.00 (38.70 to 39.70): VY0  
Ion 67.00 (66.70 to 67.70): VY0  
Ion 52.00 (51.70 to 52.70): VY0

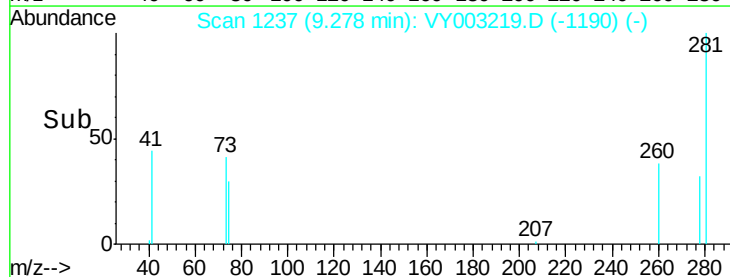
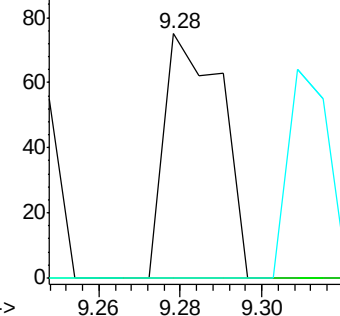


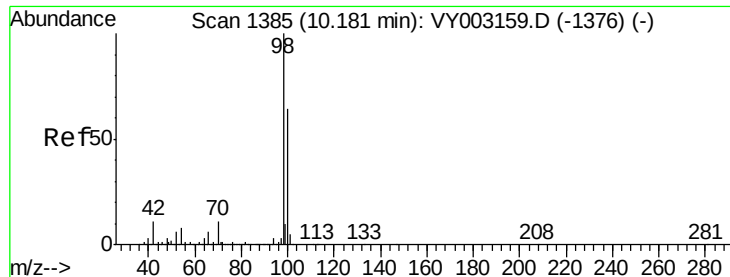
#48  
Methyl methacrylate  
Concen: 1.200 ug/l  
RT: 9.28 min Scan# 1237  
Delta R.T. -0.01 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 73     |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 0.0   | 74.5  | 111.7# |
| 39       | 0.0   | 47.5  | 71.3#  |



Abundance Ion 41.00 (40.70 to 41.70): VY0  
Ion 69.00 (68.70 to 69.70): VY0  
Ion 39.00 (38.70 to 39.70): VY0





#50

Toluene-d8

Concen: 54.241 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003219.D

Acq: 16 Jul 2020 18:59

Instrument :

MSVOA\_Y

ClientSampled :

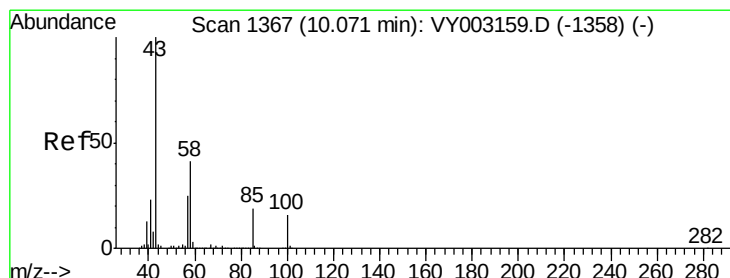
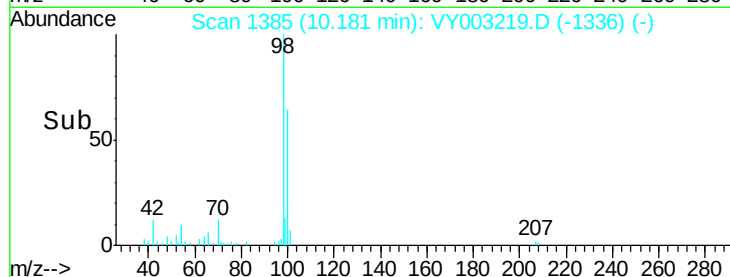
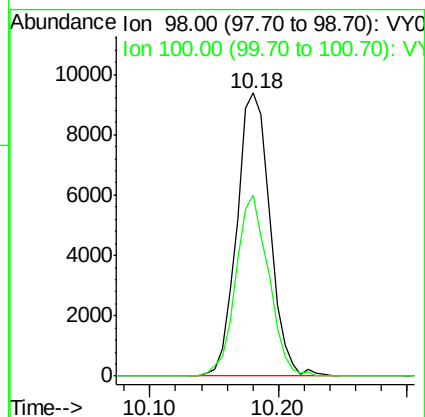
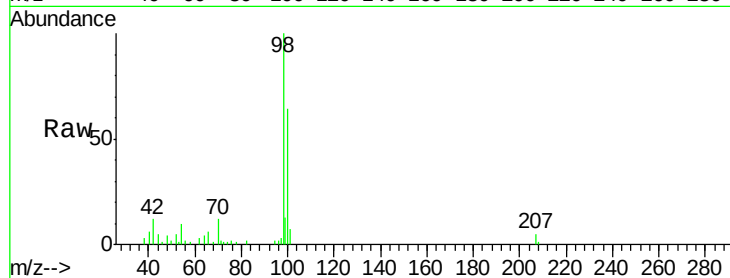
12

Tot Ion: 98 Resp: 16710

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 1.047 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY003219.D

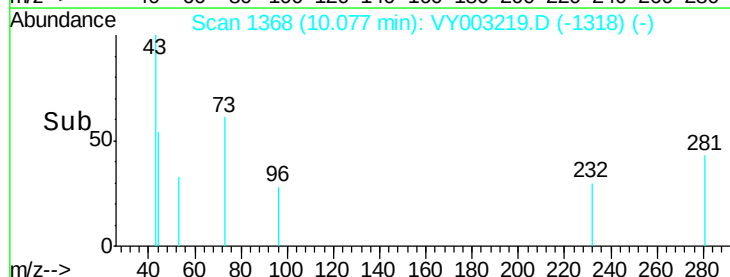
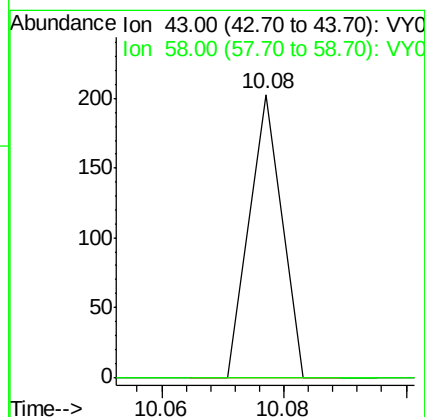
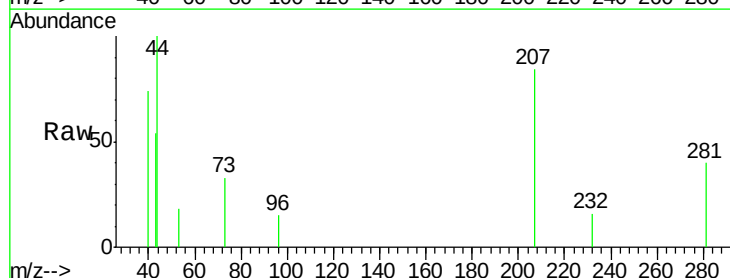
Acq: 16 Jul 2020 18:59

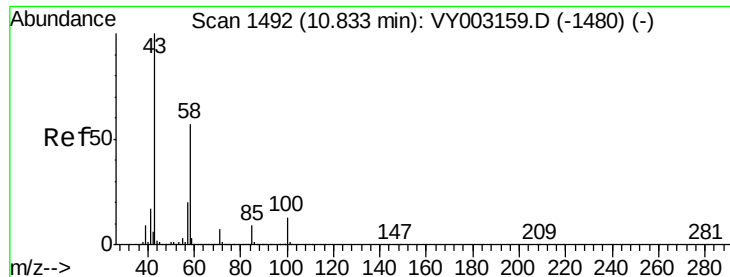
Tgt Ion: 43 Resp: 74

Ion Ratio Lower Upper

43 100

58 0.0 32.7 49.1#





#59

2-Hexanone

Concen: 1.033 ug/l

RT: 10.91 min Scan# 1505

Delta R.T. 0.08 min

Lab File: VY003219.D

Acq: 16 Jul 2020 18:59

Instrument :

MSVOA\_Y

ClientSampleId :

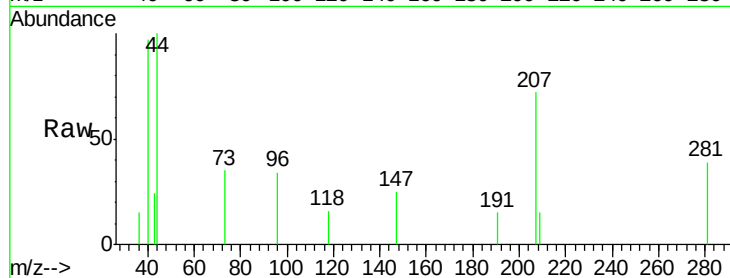
12

Tot Ion: 43 Resp: 51

Ion Ratio Lower Upper

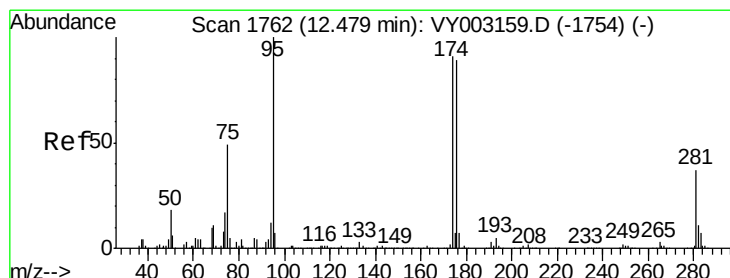
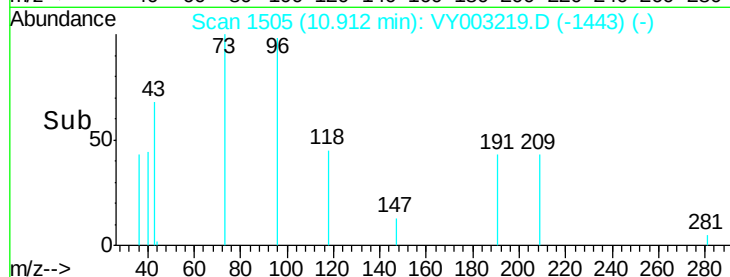
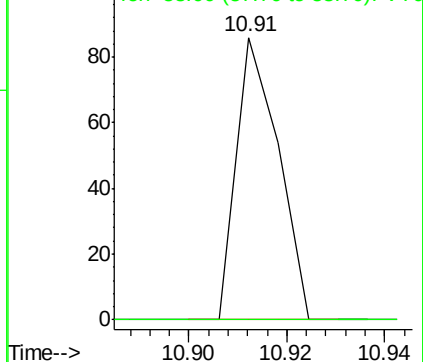
43 100

58 0.0 28.3 85.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 36.597 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003219.D

Acq: 16 Jul 2020 18:59

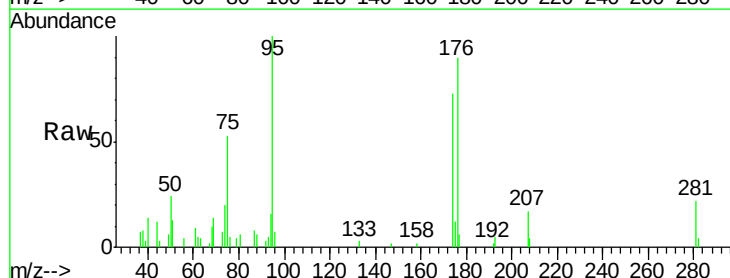
Tgt Ion: 95 Resp: 4073

Ion Ratio Lower Upper

95 100

174 91.6 0.0 190.6

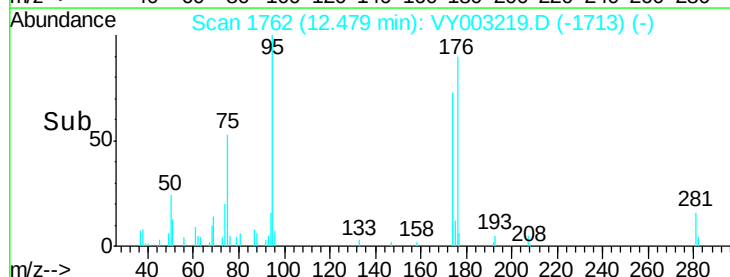
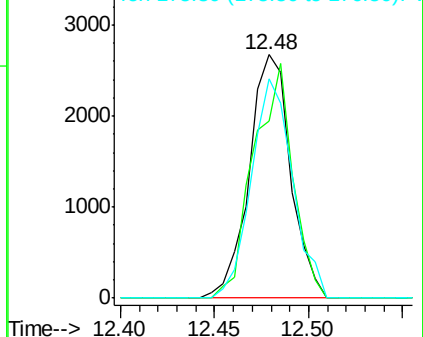
176 89.6 0.0 186.4

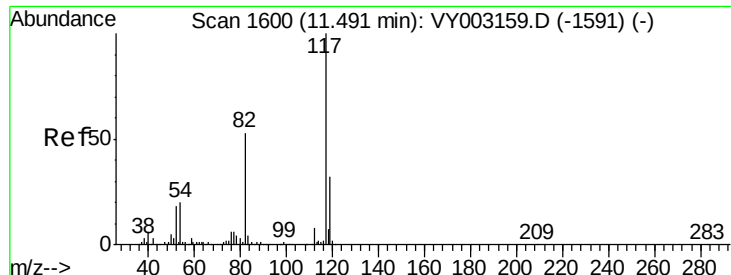


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

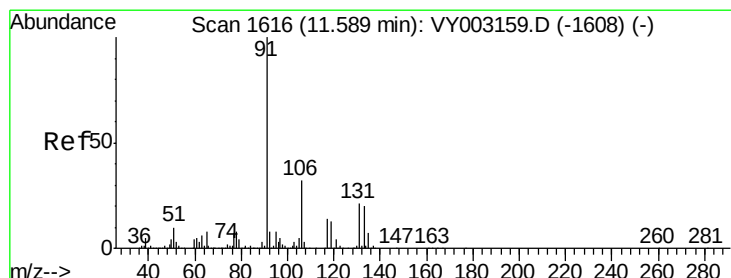
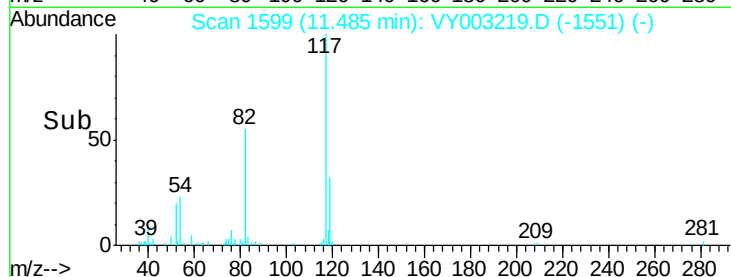
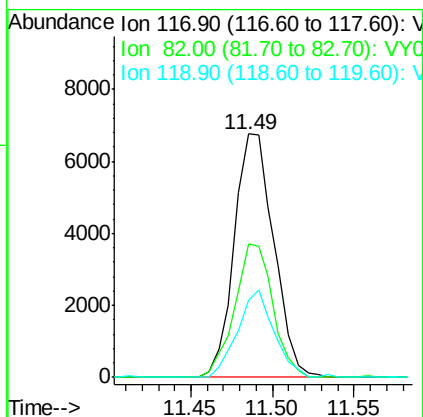
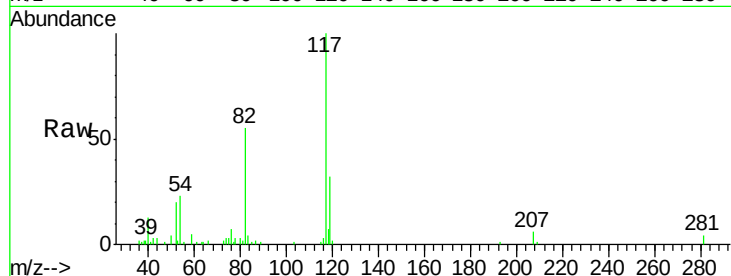




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

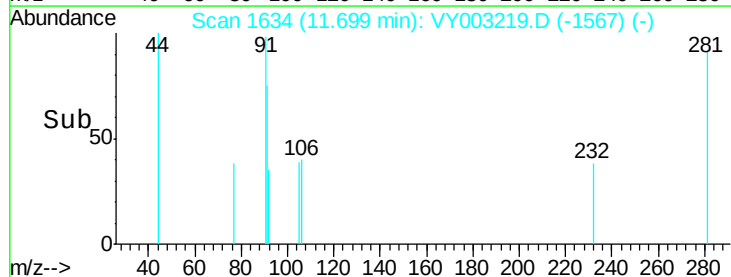
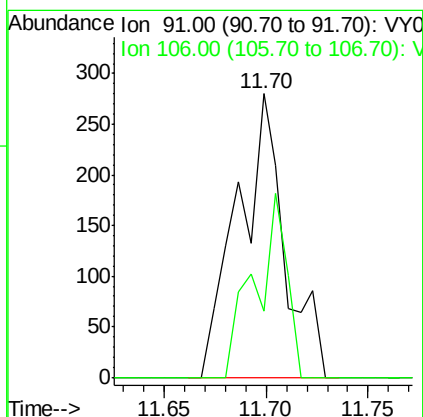
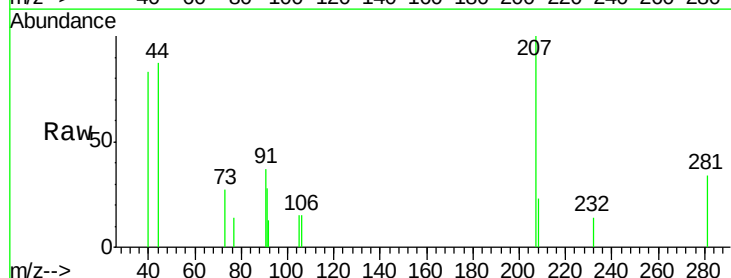
Instrument :  
MSVOA\_Y  
ClientSampled :  
12

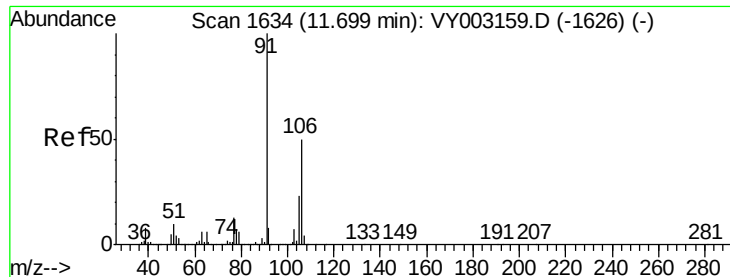
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.1  | 42.0  | 63.0  |
| 119     | 31.9  | 25.5  | 38.3  |



#67  
Ethyl Benzene  
Concen: 1.147 ug/l  
RT: 11.70 min Scan# 1634  
Delta R.T. 0.11 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 23.2  | 25.5  | 38.3# |

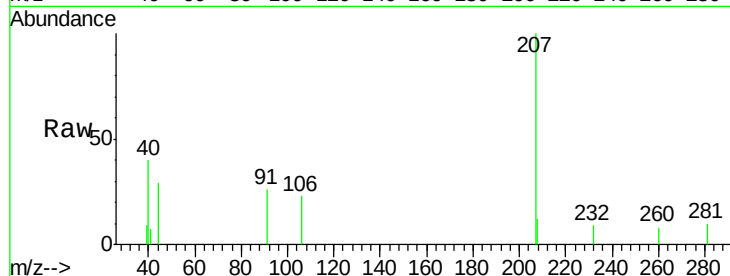




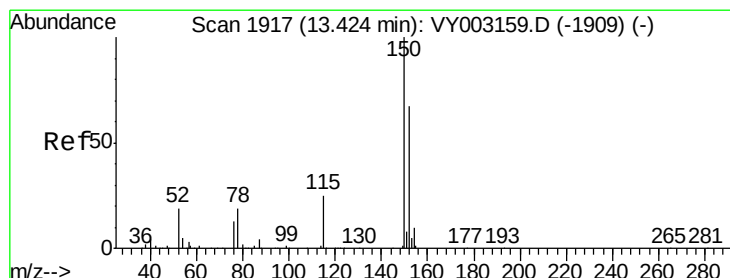
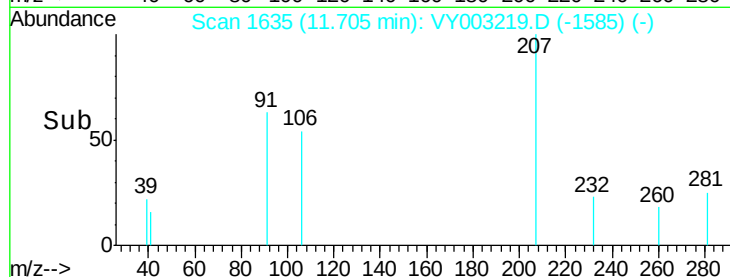
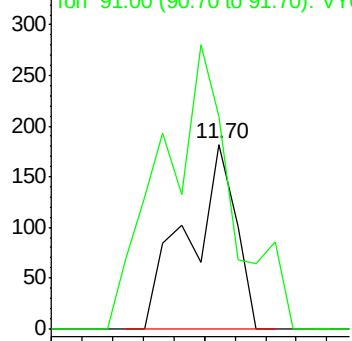
#68  
m/p-Xvlenes  
Concen: 1.310 ug/l  
RT: 11.70 min Scan# 1635  
Delta R.T. 0.01 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
12

Tot Ion:106 Resp: 195  
Ion Ratio Lower Upper  
106 100  
91 230.8 159.0 238.6

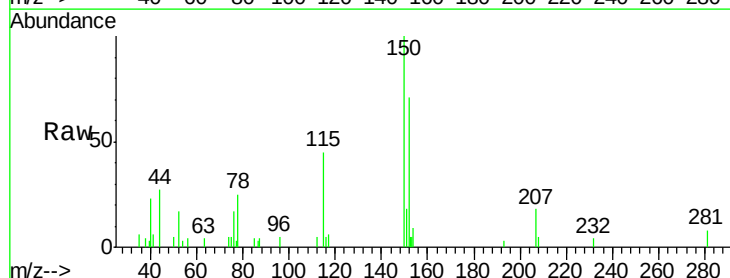


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VY0

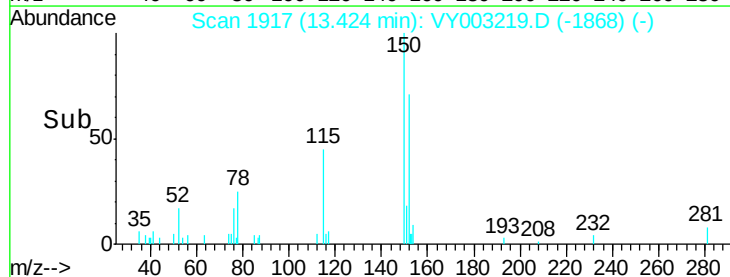
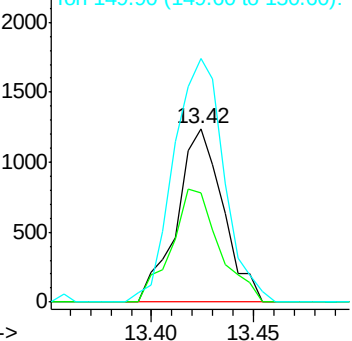


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

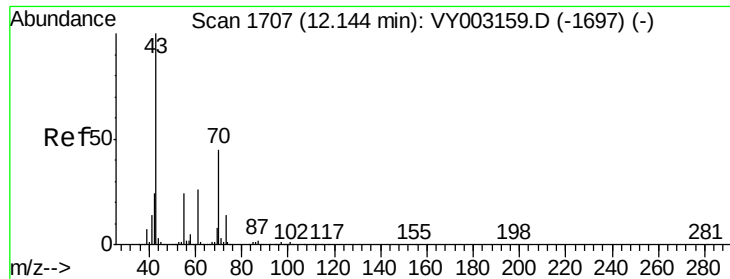
Tgt Ion:152 Resp: 1947  
Ion Ratio Lower Upper  
152 100  
115 67.4 26.9 80.7  
150 153.0 0.0 338.0



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



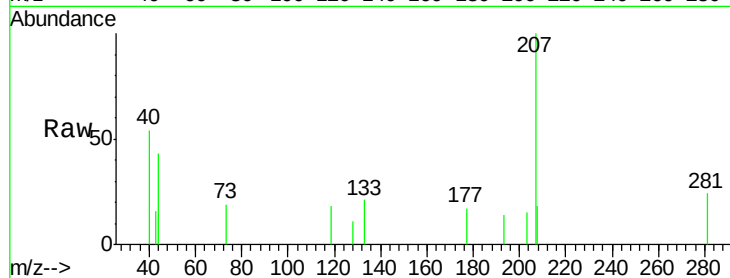




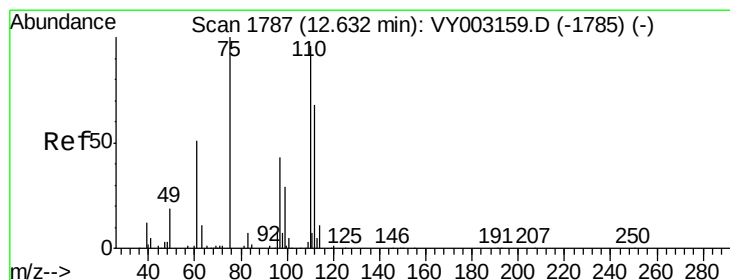
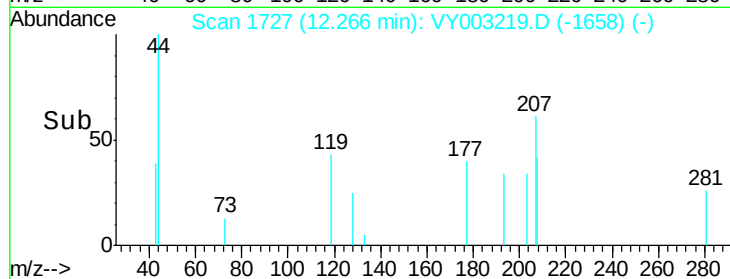
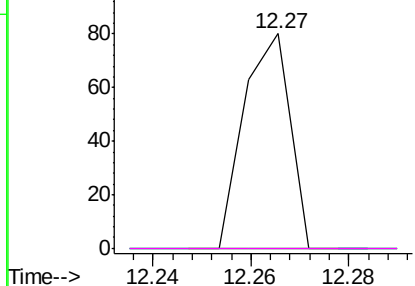
#74  
N-amvl acetate  
Concen: 1.494 ug/l  
RT: 12.27 min Scan# 1727  
Delta R.T. 0.12 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
12

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 52    |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 0.0   | 35.6  | 53.4# |
| 55       | 0.0   | 19.4  | 29.2# |
| 61       | 0.0   | 20.8  | 31.2# |

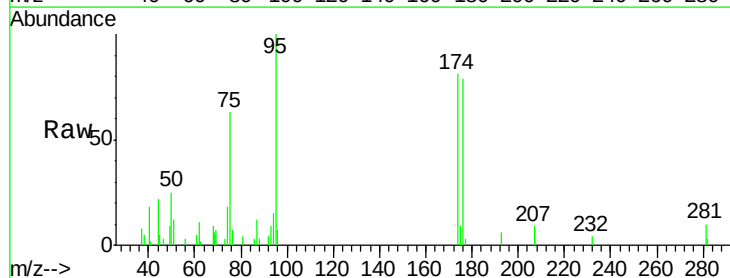


Abundance Ion 43.00 (42.70 to 43.70): VY0  
Ion 70.00 (69.70 to 70.70): VY0  
Ion 55.00 (54.70 to 55.70): VY0  
Ion 61.00 (60.70 to 61.70): VY0

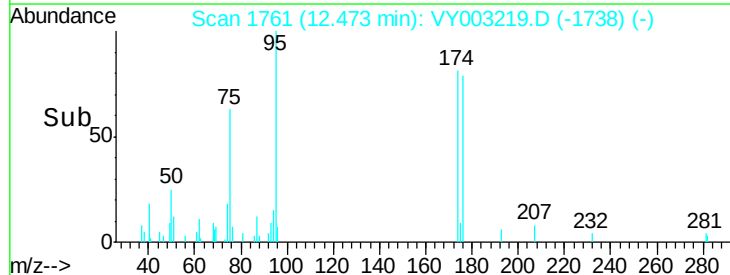
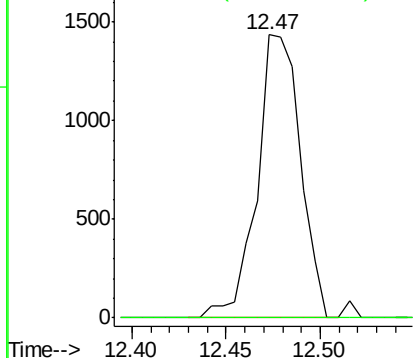


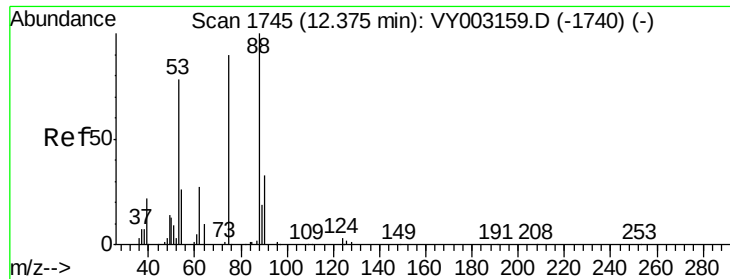
#76  
1,2,3-Trichloropropane  
Concen: 132.468 ug/l  
RT: 12.47 min Scan# 1761  
Delta R.T. -0.16 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2283  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |



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

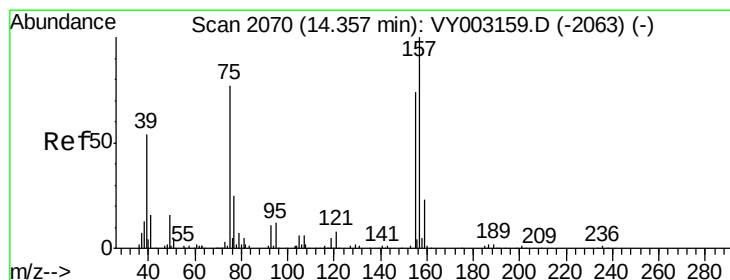
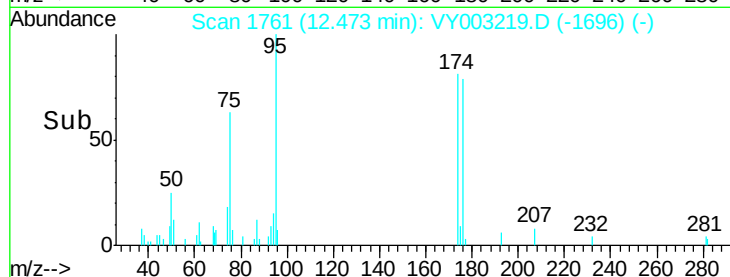
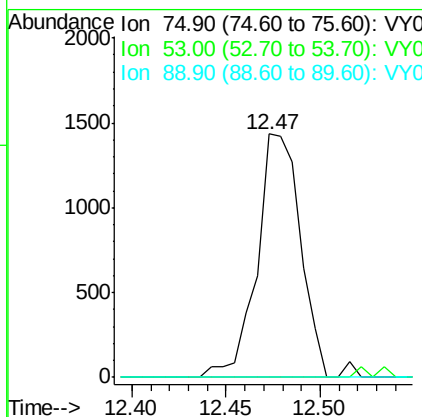
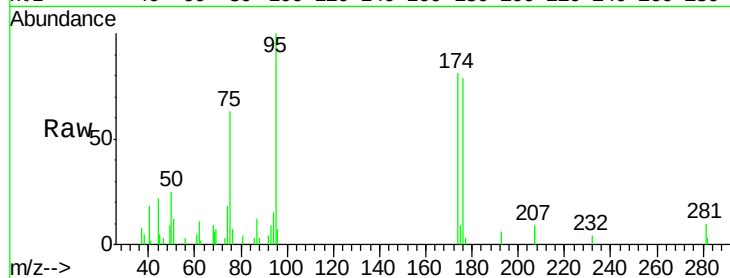




#81  
trans-1,4-Dichloro-2-butene  
Concen: 257.809 ug/l  
RT: 12.47 min Scan# 1761  
Delta R.T. 0.10 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
12

Tot Ion: 75 Resp: 2283  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.0 108.0#  
89 0.0 37.3 55.9#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 6.950 ug/l  
RT: 14.33 min Scan# 2066  
Delta R.T. -0.02 min  
Lab File: VY003219.D  
Acq: 16 Jul 2020 18:59

Tgt Ion: 75 Resp: 27  
Ion Ratio Lower Upper  
75 100  
155 0.0 48.1 144.3#  
157 0.0 61.9 185.6#

