

Data File : VY001263.D  
Acq On : 16 Jan 2020 16:16  
Operator : SY/MD  
Sample : K6467-04  
Misc : 5.00G/10ML/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
X2K74

Quant Time: Jan 17 03:16:27 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\SFAMYL011620SMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jan 17 03:10:21 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.69  | 114  | 323473   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.49 | 117  | 291491   | 25.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 137125   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.24   | 65    | 108063   | 24.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.24%  |
| 7) Chloroethane-d5             | 2.76   | 69    | 100522   | 25.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.92% |
| 11) 1,1-Dichloroethene-d2      | 3.85   | 63    | 184085   | 23.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 93.88%  |
| 21) 2-Butanone-d5              | 6.89   | 46    | 98773    | 50.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 100.94% |
| 24) Chloroform-d               | 7.49   | 84    | 194907   | 26.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 107.32% |
| 26) 1,2-Dichloroethane-d4      | 8.15   | 65    | 112969   | 26.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 106.56% |
| 32) Benzene-d6                 | 8.11   | 84    | 428336   | 27.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 109.96% |
| 36) 1,2-Dichloropropane-d6     | 9.13   | 67    | 131405   | 27.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 109.56% |
| 41) Toluene-d8                 | 10.18  | 98    | 391812   | 27.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 109.24% |
| 43) trans-1,3-Dichloropropene- | 10.44  | 79    | 63230    | 26.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 104.48% |
| 47) 2-Hexanone-d5              | 10.79  | 63    | 85828    | 51.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 103.40% |
| 56) 1,1,2,2-Tetrachloroethane- | 12.56  | 84    | 135526   | 26.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.12% |
| 66) 1,2-Dichlorobenzene-d4     | 13.72  | 152   | 134188   | 27.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.96% |

#### Target Compounds

|                                |      |     |        |        |        | Qvalue |
|--------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.90 | 85  | 53613  | 10.604 | ug/L   | 98     |
| 3) Chloromethane               | 2.12 | 50  | 66926  | 12.117 | ug/L   | 99     |
| 5) Vinyl chloride              | 2.26 | 62  | 139968 | 24.087 | ug/L   | 98     |
| 6) Bromomethane                | 2.65 | 94  | 47321  | 13.996 | ug/L   | 92     |
| 8) Chloroethane                | 2.80 | 64  | 30105  | 8.981  | ug/L   | 98     |
| 9) Trichlorofluoromethane      | 3.13 | 101 | 72598  | 10.644 | ug/L   | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.91 | 101 | 92631  | 21.875 | ug/L   | 99     |
| 13) Acetone                    | 3.96 | 43  | 5904   | 2.614  | ug/L   | 72     |
| 15) Methyl Acetate             | 4.49 | 43  | 80823  | 23.156 | ug/L # | 73     |
| 16) Methylene chloride         | 4.72 | 84  | 97036  | 17.956 | ug/L   | 99     |
| 18) Methyl tert-butyl Ether    | 5.22 | 73  | 511414 | 39.582 | ug/L   | 100    |
| 22) 2-Butanone                 | 6.99 | 43  | 177207 | 62.666 | ug/L   | 99     |
| 25) Chloroform                 | 7.52 | 83  | 153046 | 19.364 | ug/L   | 97     |
| 29) Cyclohexane                | 7.79 | 56  | 165751 | 20.369 | ug/L   | 99     |
| 33) Benzene                    | 8.16 | 78  | 763925 | 41.115 | ug/L   | 100    |
| 34) Trichloroethene            | 8.94 | 95  | 243970 | 51.454 | ug/L   | 98     |
| 39) cis-1,3-Dichloropropene    | 9.89 | 75  | 4335   | 0.547  | ug/L # | 67     |

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MSVOA\_Y  
ClientSampleId :  
X2K74

Quant Time: Jan 17 03:16:27 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\SFAMYLEM011620SMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jan 17 03:10:21 2020  
Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 42) Toluene                   | 10.24 | 91   | 994452   | 49.433 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.44 | 75   | 2725     | 0.404  | ug/L   | 86       |
| 45) 1,1,2-Trichloroethane     | 10.64 | 97   | 79084    | 19.612 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.72 | 164  | 36999    | 10.144 | ug/L   | 91       |
| 48) 2-Hexanone                | 10.79 | 43   | 9316     | 2.390  | ug/L # | 63       |
| 51) Chlorobenzene             | 11.52 | 112  | 157399   | 12.348 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.59 | 91   | 547257   | 24.266 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.70 | 106  | 256265   | 29.245 | ug/L   | 99       |
| 54) o-Xylene                  | 12.03 | 106  | 206135   | 24.554 | ug/L   | 99       |
| 55) Styrene                   | 12.04 | 104  | 152364   | 10.368 | ug/L   | 91       |
| 57) 1,1,2,2-Tetrachloroethane | 12.58 | 83   | 63421    | 11.219 | ug/L   | 99       |
| 59) Bromoform                 | 12.20 | 173  | 33535    | 11.566 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.33 | 105  | 433378   | 19.837 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.61 | 75   | 16400    | 3.846  | ug/L # | 1        |
| 62) 1,3,5-Trimethylbenzene    | 12.81 | 105  | 1781     | 0.098  | ug/L # | 58       |
| 63) 1,2,4-Trimethylbenzene    | 13.12 | 105  | 435111   | 24.319 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.36 | 146  | 189067   | 19.511 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.44 | 146  | 96679    | 9.938  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.00 | 180  | 115851   | 19.097 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.42 | 180  | 157215   | 27.779 | ug/L   | 99       |

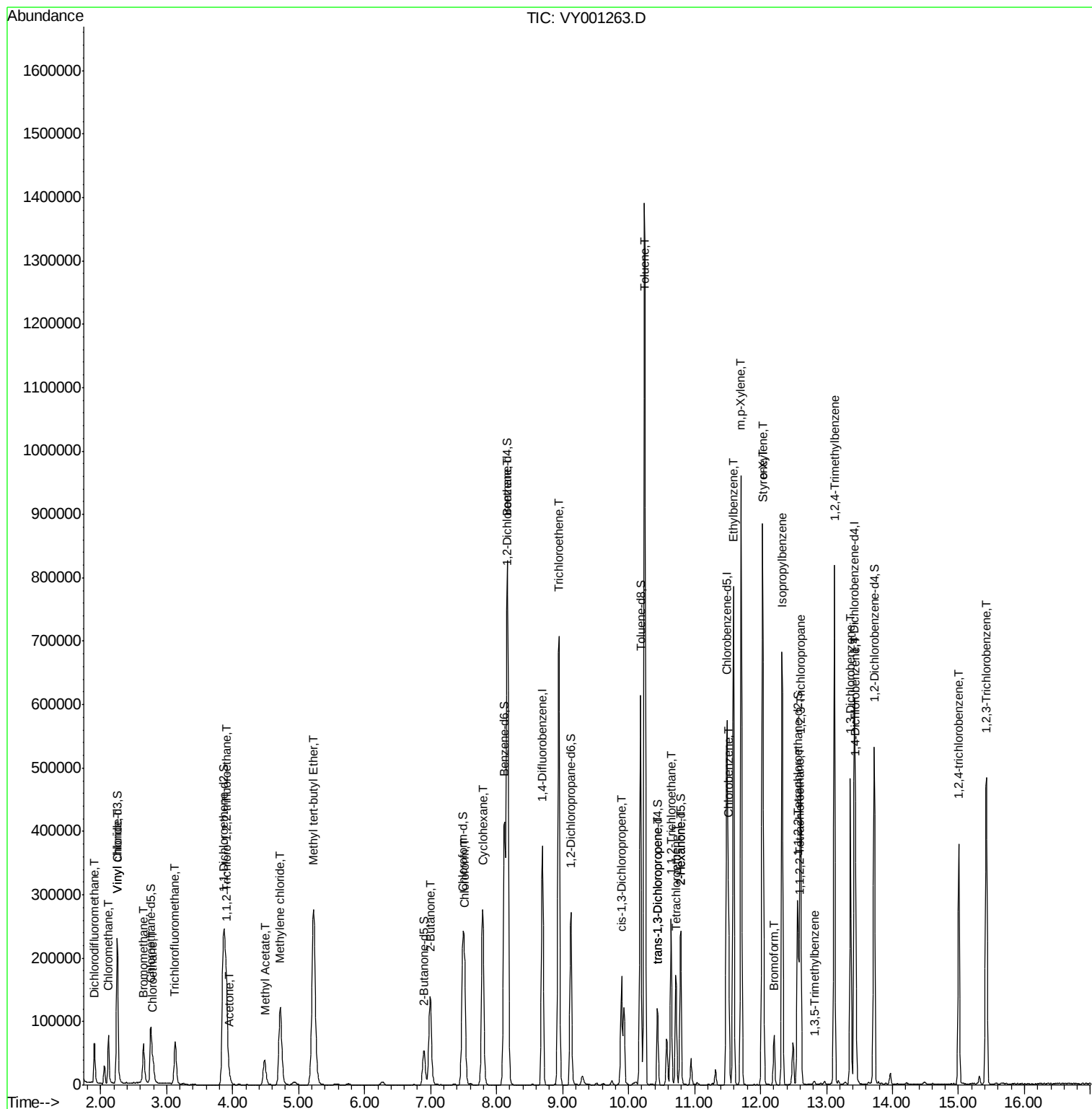
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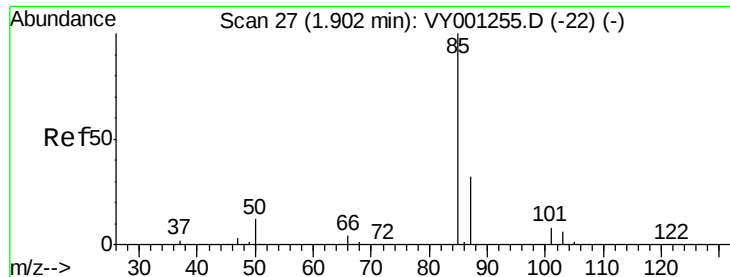
Data File : VY001263.D

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Sample      : K6467-04
Misc       : 5.00G/10ML/MSVOA_Y
ALS Vial    : 13      Sample Multip
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MSVOA\_Y  
**ClientSampleId :**  
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Quant Title : VOC Analysis  
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 10.604 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001263.D

Acq: 16 Jan 2020 16:16

Instrument :

MSVOA\_Y

ClientSampleId :

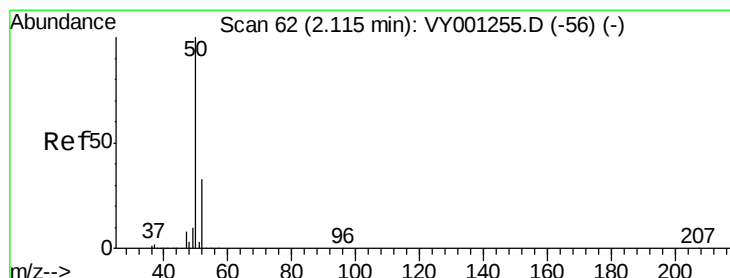
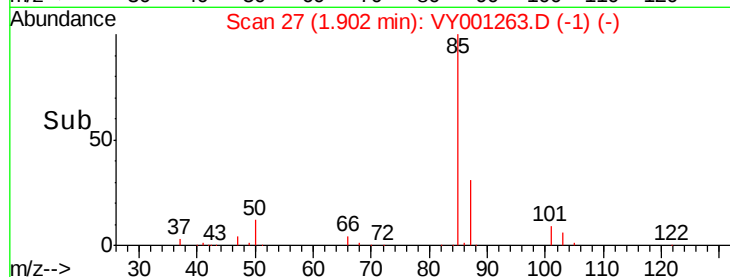
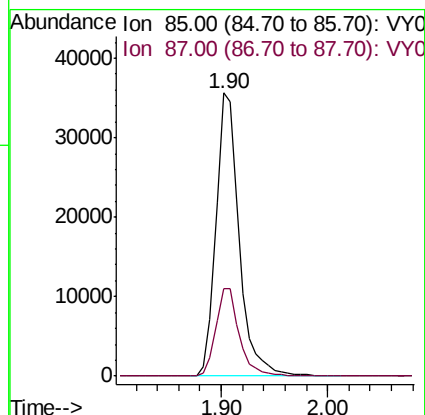
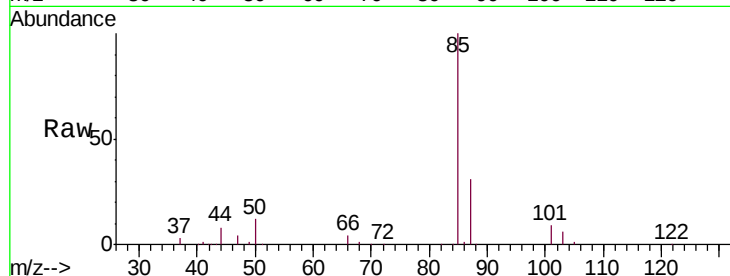
X2K74

Tgt Ion: 85 Resp: 53613

Ion Ratio Lower Upper

85 100

87 31.3 26.1 39.1



#3

Chloromethane

Concen: 12.117 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001263.D

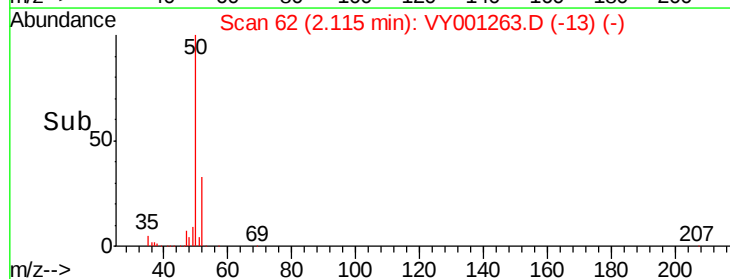
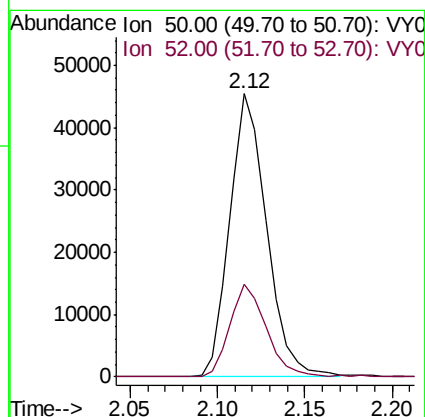
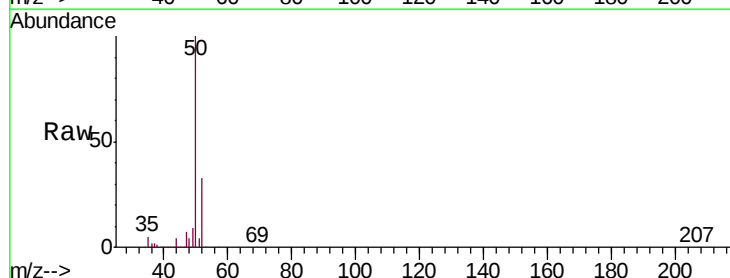
Acq: 16 Jan 2020 16:16

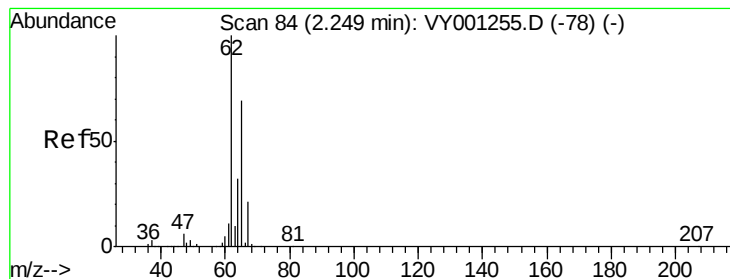
Tgt Ion: 50 Resp: 66926

Ion Ratio Lower Upper

50 100

52 32.6 23.1 42.9





#5

Vinyl chloride

Concen: 24.087 ug/L

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001263.D

Acq: 16 Jan 2020 16:16

Instrument :

MSVOA\_Y

ClientSampleId :

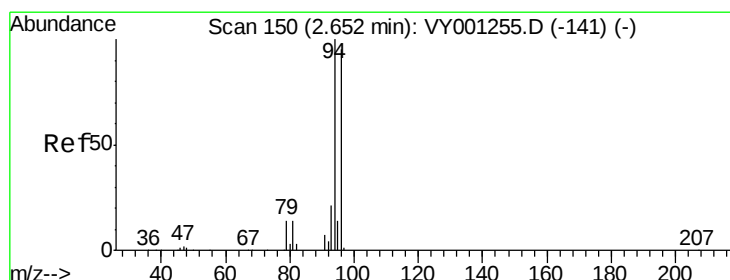
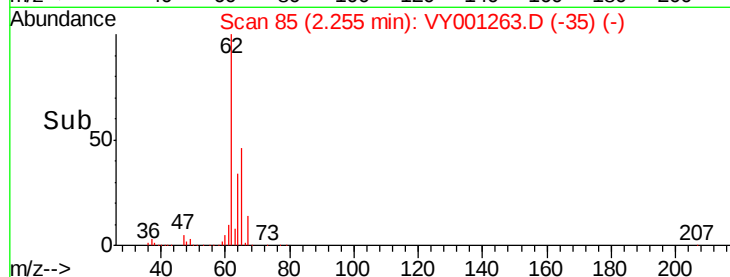
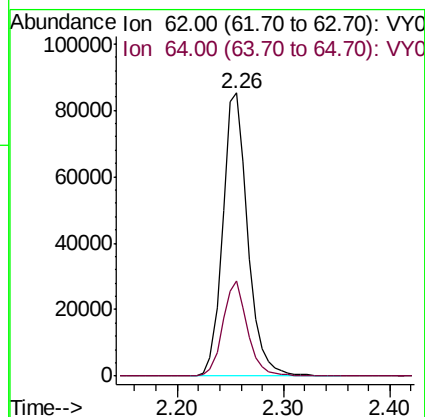
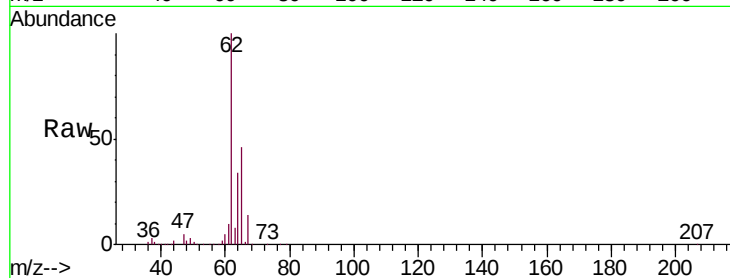
X2K74

Tgt Ion: 62 Resp: 139968

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.1



#6

Bromomethane

Concen: 13.996 ug/L

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY001263.D

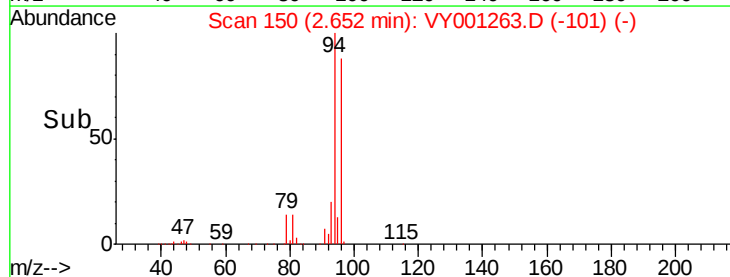
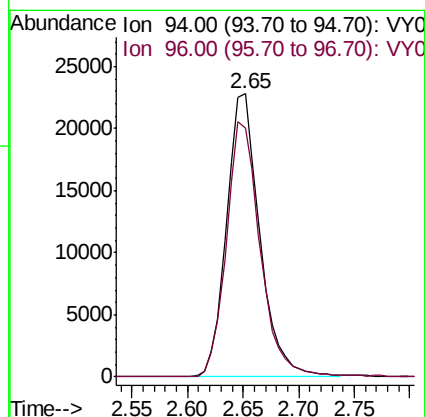
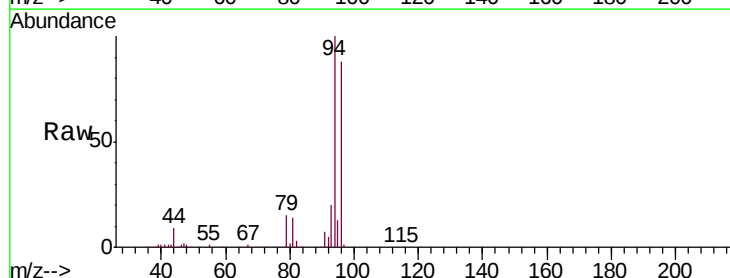
Acq: 16 Jan 2020 16:16

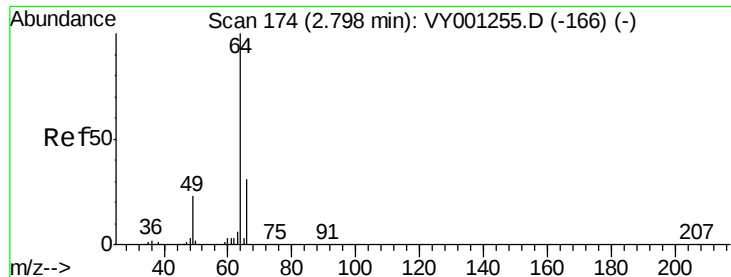
Tgt Ion: 94 Resp: 47321

Ion Ratio Lower Upper

94 100

96 88.1 66.9 124.3





#8

Chloroethane

Concen: 8.981 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY001263.D

Acq: 16 Jan 2020 16:16

Instrument :

MSVOA\_Y

ClientSampleId :

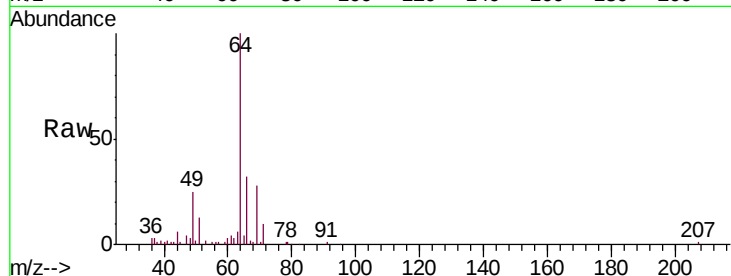
X2K74

Tgt Ion: 64 Resp: 30105

Ion Ratio Lower Upper

64 100

66 32.0 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0

15000

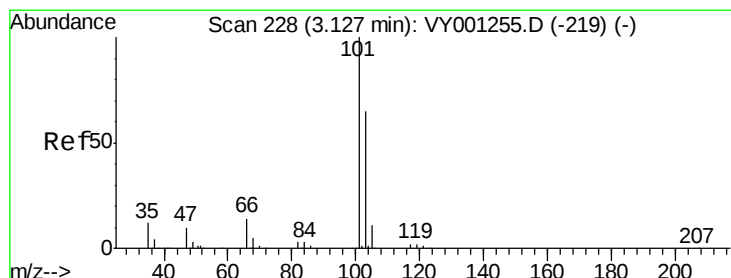
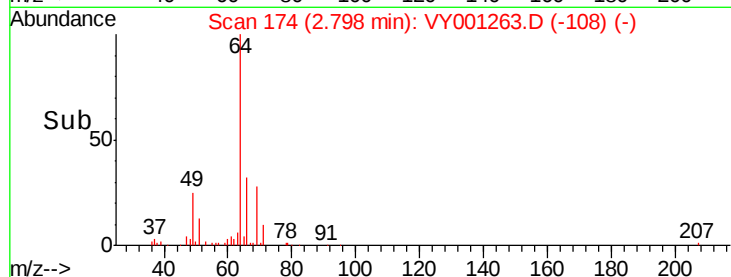
10000

5000

0

2.70 2.80 2.90

Time-->



#9

Trichlorofluoromethane

Concen: 10.644 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY001263.D

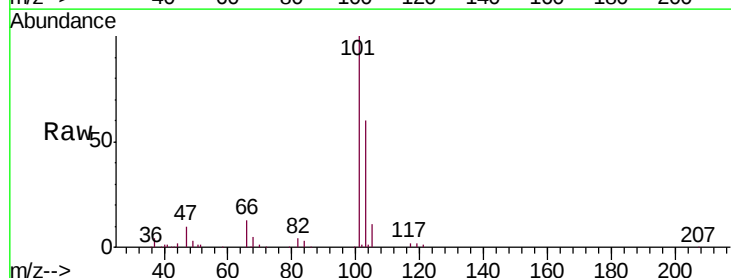
Acq: 16 Jan 2020 16:16

Tgt Ion: 101 Resp: 72598

Ion Ratio Lower Upper

101 100

103 64.2 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

30000

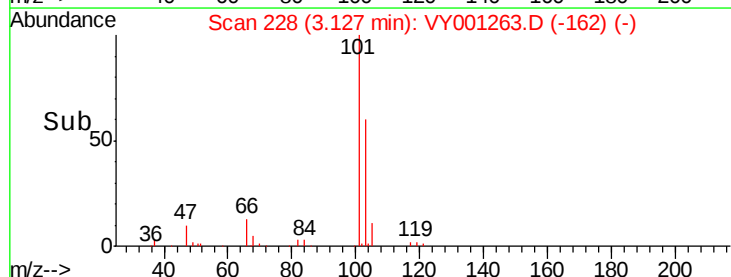
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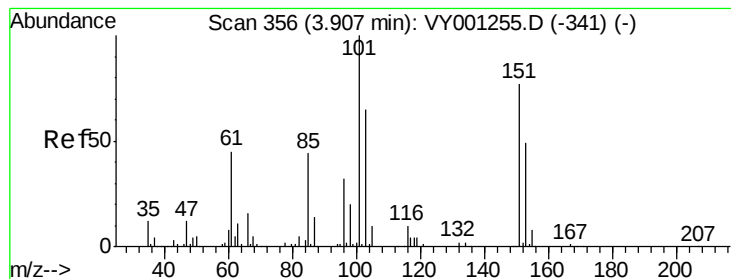
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0

3.10 3.13 3.20

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 21.875 ug/L

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY001263.D

Acq: 16 Jan 2020 16:16

Instrument :

MSVOA\_Y

ClientSampleId :

X2K74

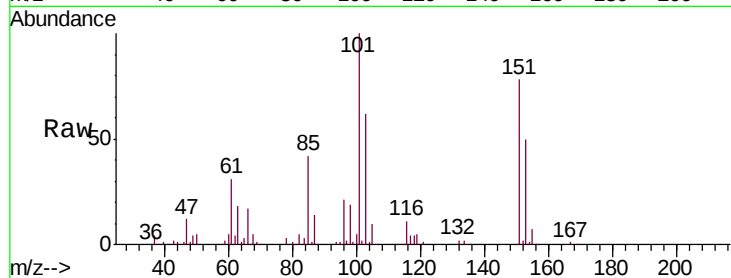
Tgt Ion:101 Resp: 92631

Ion Ratio Lower Upper

101 100

85 42.8 34.8 52.2

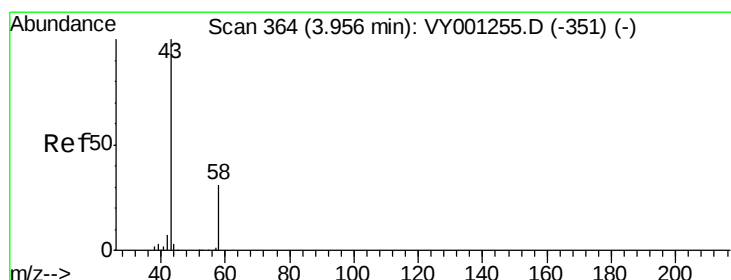
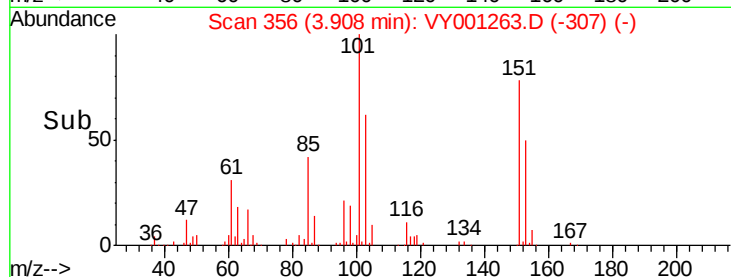
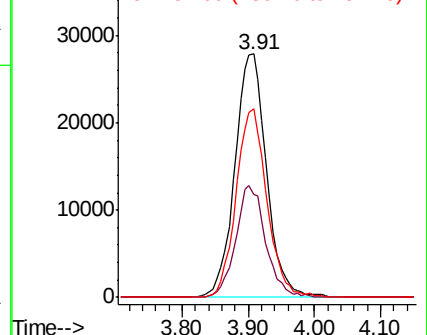
151 75.0 60.7 91.1



Abundance Ion 101.00 (100.70 to 101.70): VY001255.D (-341) (-)

Ion 85.00 (84.70 to 85.70): VY001255.D (-341) (-)

Ion 151.00 (150.70 to 151.70): VY001255.D (-341) (-)



#13

Acetone

Concen: 2.614 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY001263.D

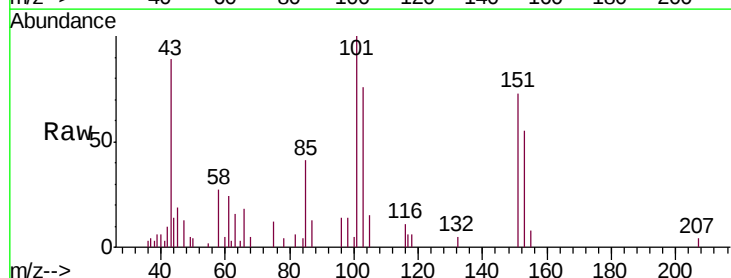
Acq: 16 Jan 2020 16:16

Tgt Ion: 43 Resp: 5904

Ion Ratio Lower Upper

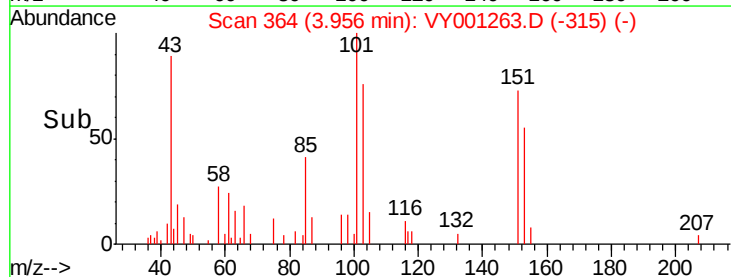
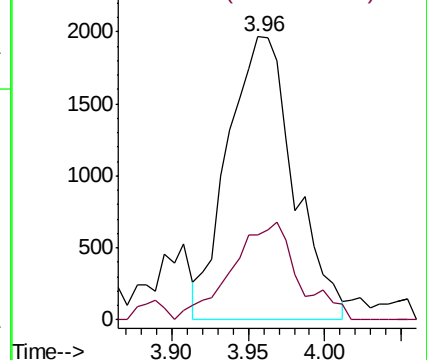
43 100

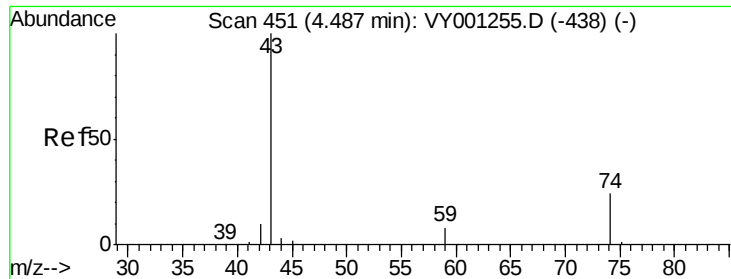
58 16.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VY001255.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001255.D (-351) (-)

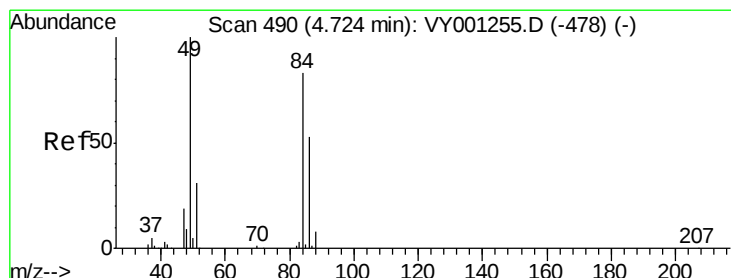
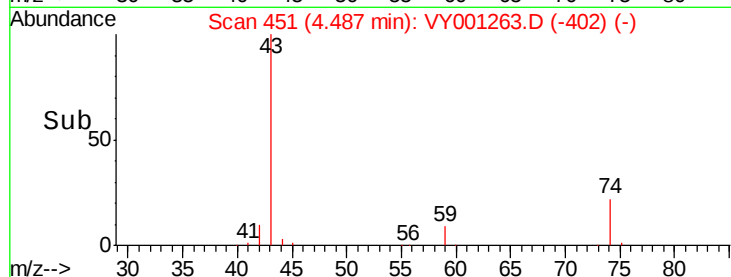
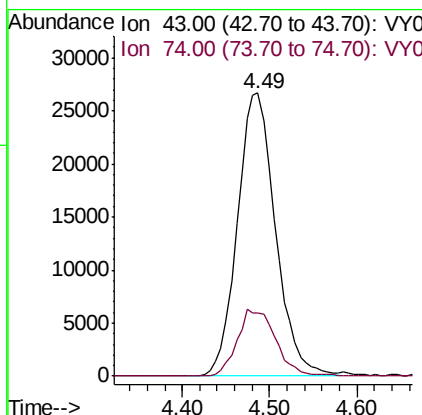
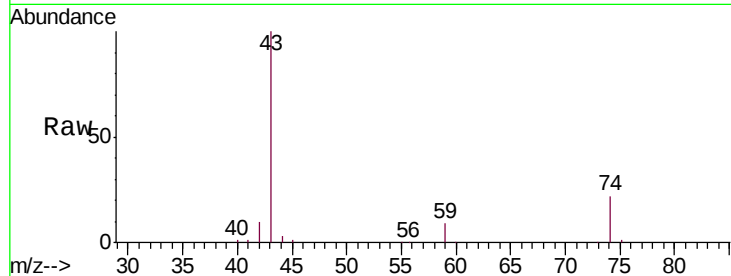




#15  
Methyl Acetate  
Concen: 23.156 ug/L  
RT: 4.49 min Scan# 451  
Delta R.T. 0.00 min  
Lab File: VY001263.D  
Acq: 16 Jan 2020 16:16

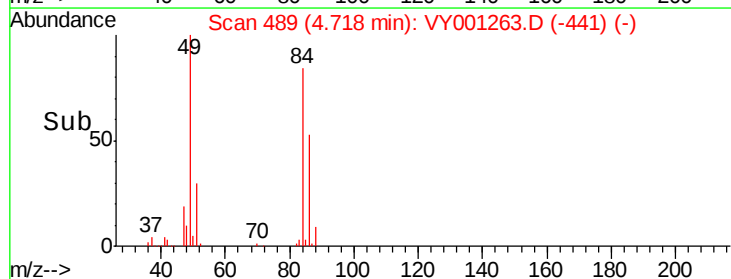
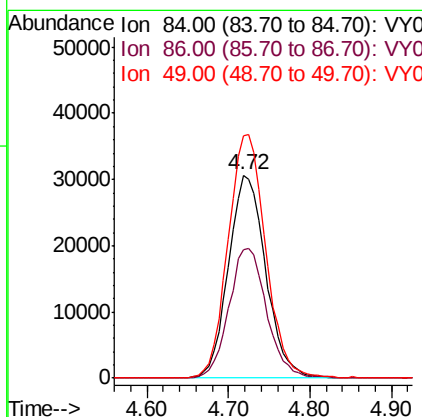
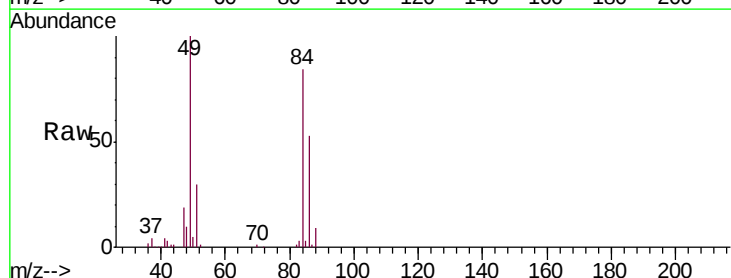
Instrument :  
MSVOA\_Y  
ClientSampled :  
X2K74

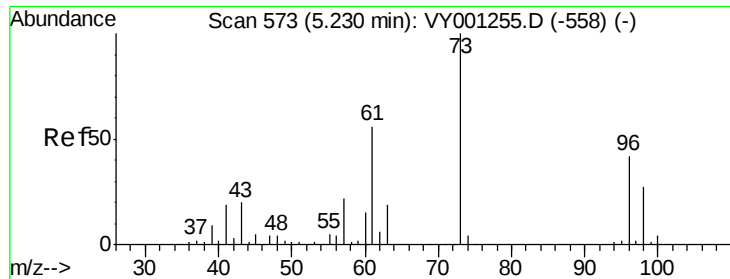
Tgt Ion: 43 Resp: 80823  
Ion Ratio Lower Upper  
43 100  
74 10.9 19.4 29.2#



#16  
Methylene chloride  
Concen: 17.956 ug/L  
RT: 4.72 min Scan# 489  
Delta R.T. -0.01 min  
Lab File: VY001263.D  
Acq: 16 Jan 2020 16:16

Tgt Ion: 84 Resp: 97036  
Ion Ratio Lower Upper  
84 100  
86 63.4 44.6 82.8  
49 119.4 84.4 156.7

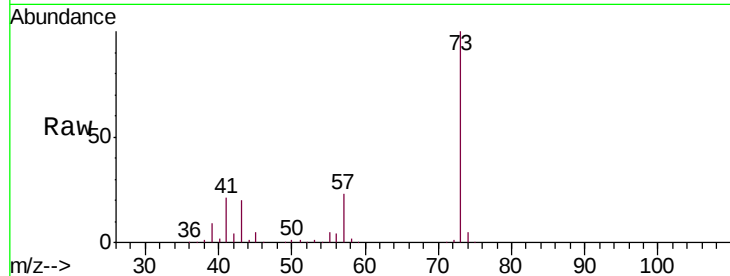




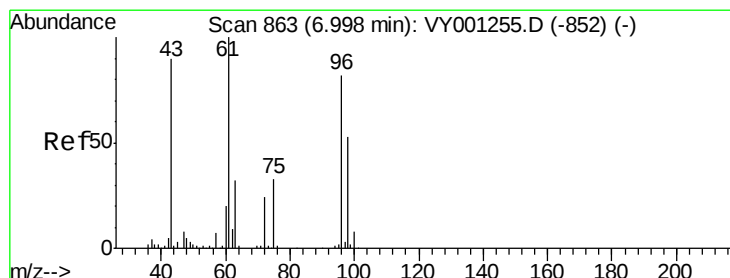
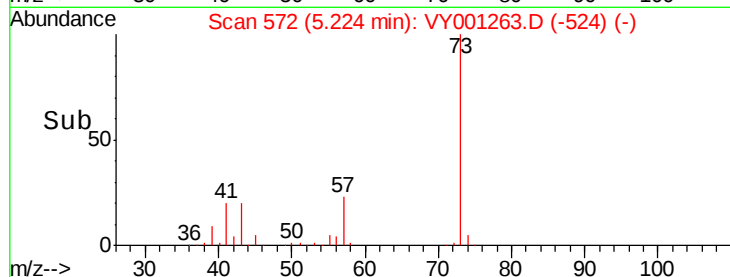
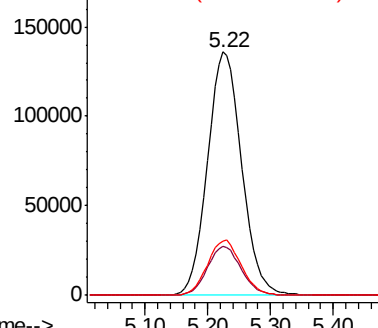
#18  
Methyl tert-butyl Ether  
Concen: 39.582 ug/L  
RT: 5.22 min Scan# 572  
Delta R.T. -0.01 min  
Lab File: VY001263.D  
Acq: 16 Jan 2020 16:16

Instrument :  
MSVOA\_Y  
ClientSampled :  
X2K74

Tgt Ion: 73 Resp: 511414  
Ion Ratio Lower Upper  
73 100  
43 19.8 15.8 23.6  
57 22.5 18.0 27.0

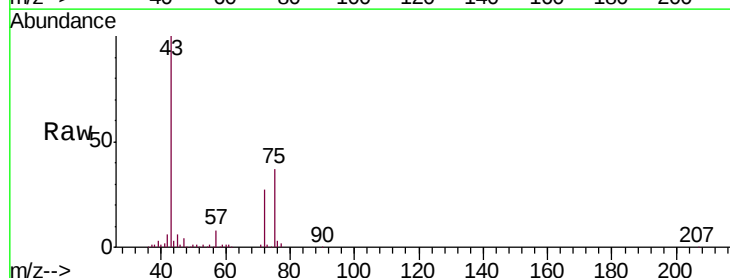


Abundance Ion 73.00 (72.70 to 73.70): VY0  
Ion 43.00 (42.70 to 43.70): VY0  
Ion 57.00 (56.70 to 57.70): VY0

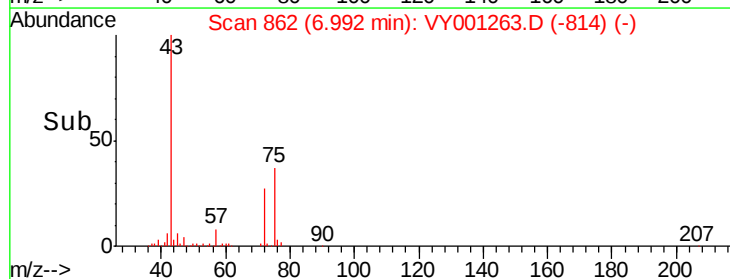
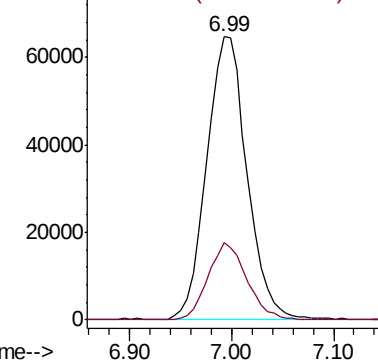


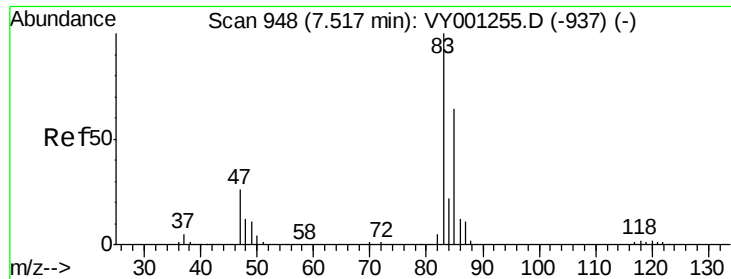
#22  
2-Butanone  
Concen: 62.666 ug/L  
RT: 6.99 min Scan# 862  
Delta R.T. -0.01 min  
Lab File: VY001263.D  
Acq: 16 Jan 2020 16:16

Tgt Ion: 43 Resp: 177207  
Ion Ratio Lower Upper  
43 100  
72 26.4 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VY0  
Ion 72.00 (71.70 to 72.70): VY0

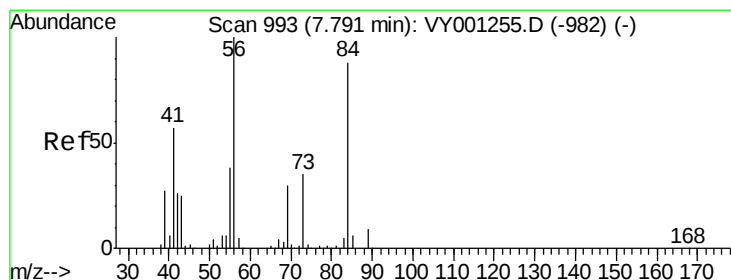
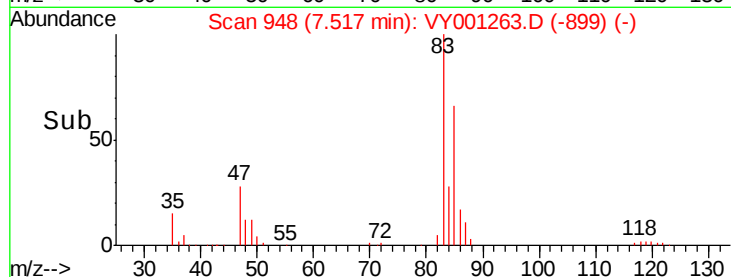
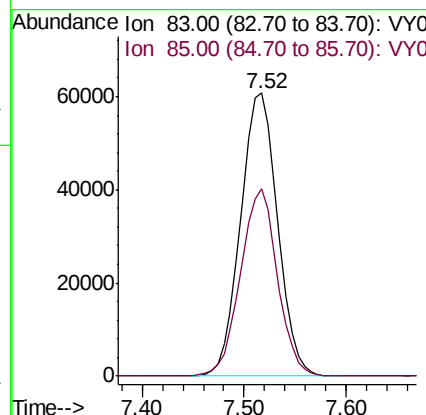
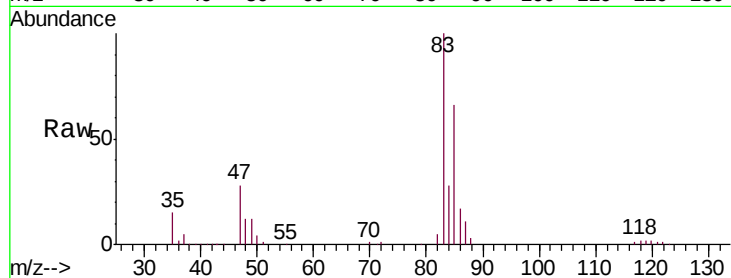




#25  
Chloroform  
Concen: 19.364 ug/L  
RT: 7.52 min Scan# 948  
Delta R.T. 0.00 min  
Lab File: VY001263.D  
Acq: 16 Jan 2020 16:16

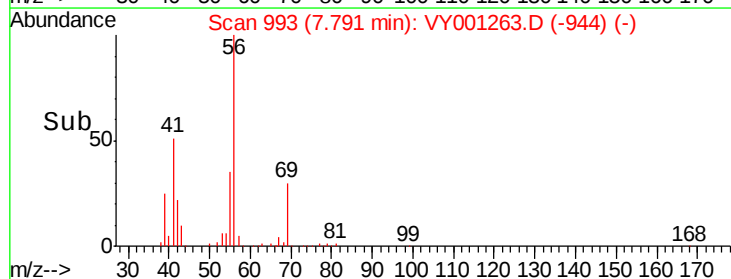
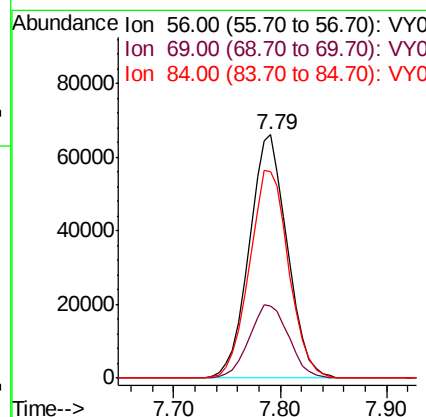
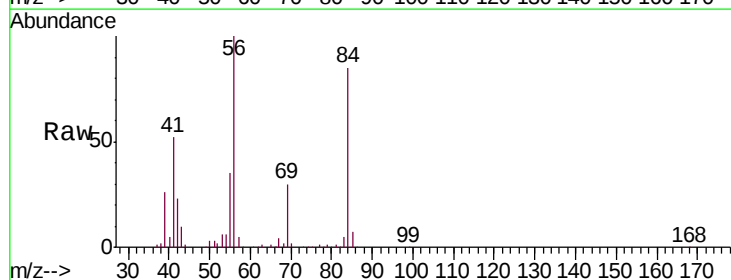
Instrument :  
MSVOA\_Y  
ClientSampled :  
X2K74

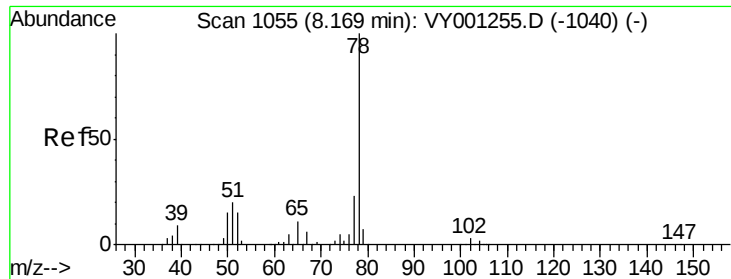
Tgt Ion: 83 Resp: 153046  
Ion Ratio Lower Upper  
83 100  
85 66.1 44.7 82.9



#29  
Cyclohexane  
Concen: 20.369 ug/L  
RT: 7.79 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: VY001263.D  
Acq: 16 Jan 2020 16:16

Tgt Ion: 56 Resp: 165751  
Ion Ratio Lower Upper  
56 100  
69 31.2 24.8 37.2  
84 87.8 70.8 106.2

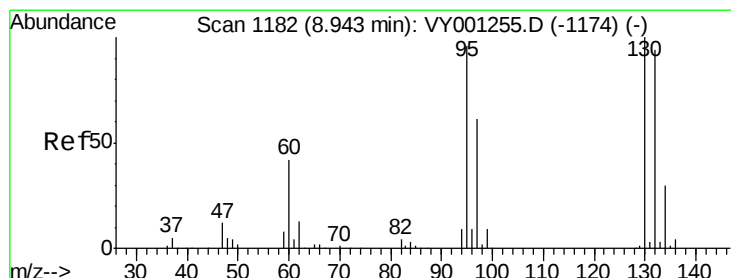
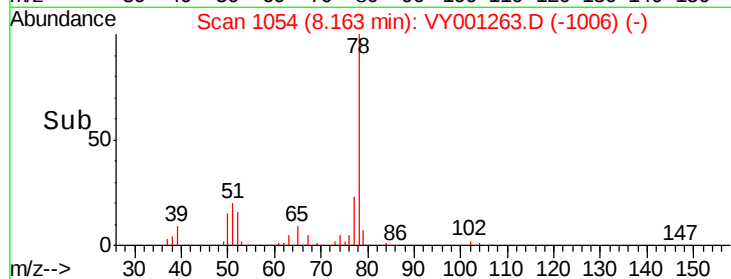
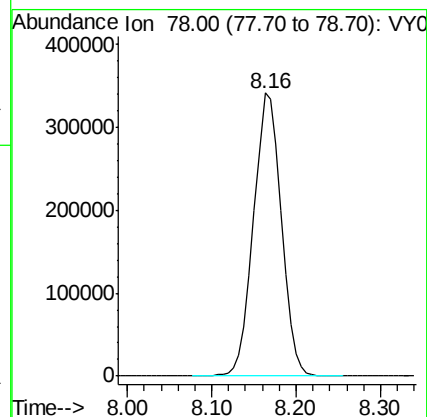
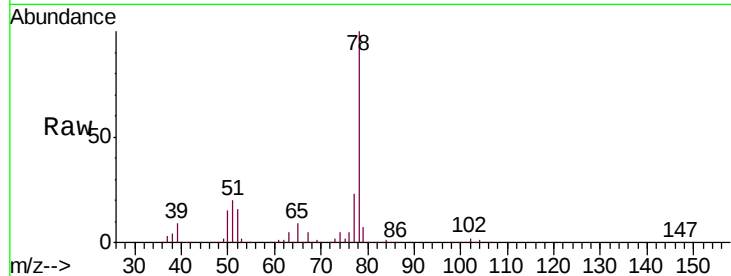




#33  
Benzene  
Concen: 41.115 ug/L  
RT: 8.16 min Scan# 1054  
Delta R.T. -0.01 min  
Lab File: VY001263.D  
Acq: 16 Jan 2020 16:16

Instrument :  
MSVOA\_Y  
ClientSampleId :  
X2K74

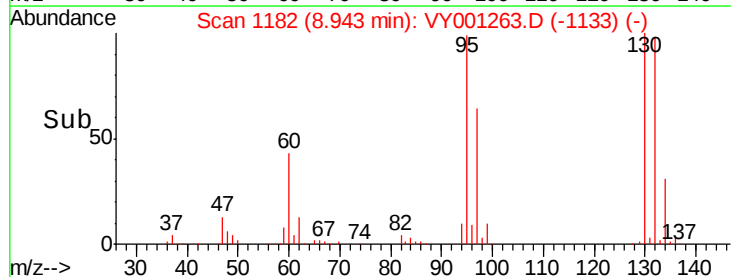
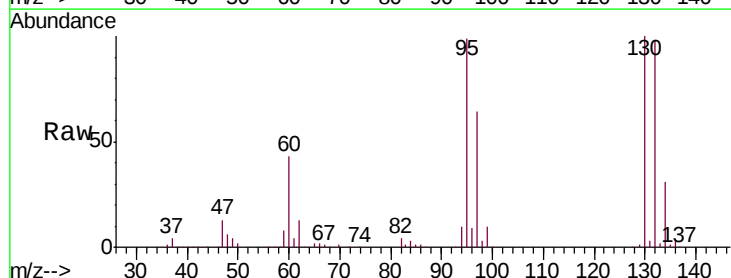
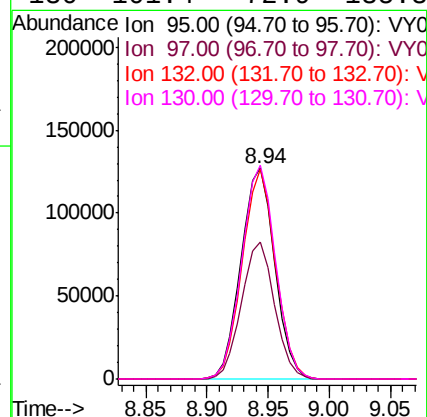
Tgt Ion: 78 Resp: 763925

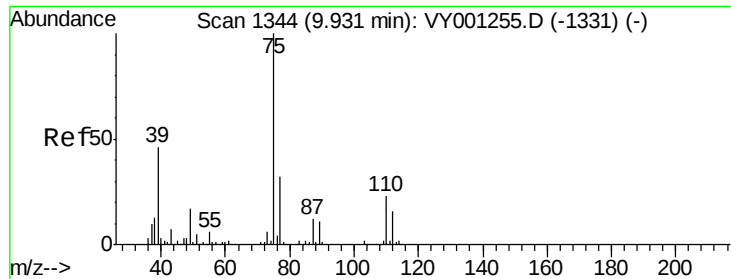


#34  
Trichloroethene  
Concen: 51.454 ug/L  
RT: 8.94 min Scan# 1182  
Delta R.T. 0.00 min  
Lab File: VY001263.D  
Acq: 16 Jan 2020 16:16

Tgt Ion: 95 Resp: 243970

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.9  | 44.4  | 82.4  |
| 132 | 99.6  | 68.8  | 127.8 |
| 130 | 101.4 | 72.9  | 135.3 |

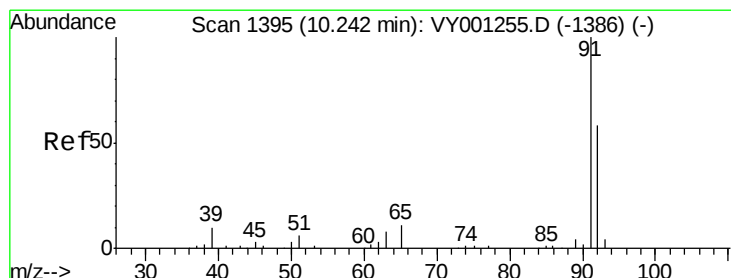
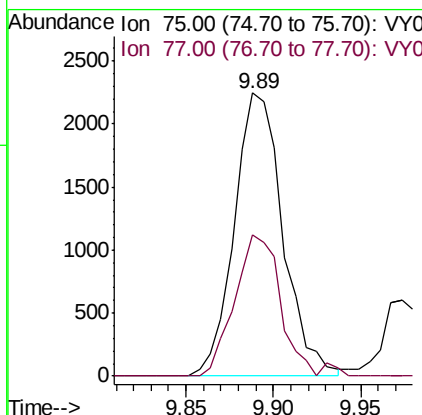
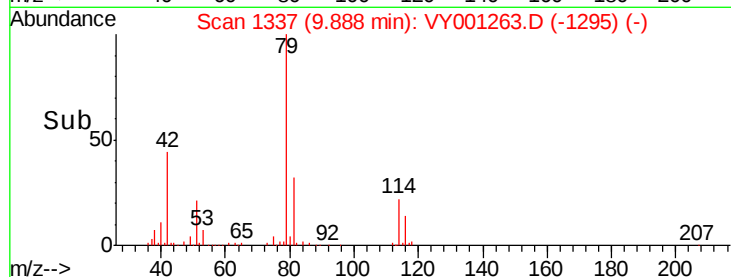
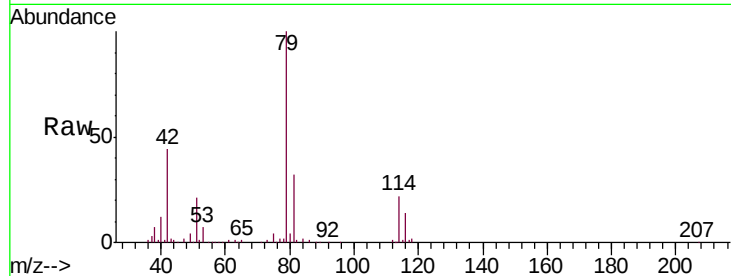




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.547 ug/L  
 RT: 9.89 min Scan# 1337  
 Delta R.T. -0.04 min  
 Lab File: VY001263.D  
 Acq: 16 Jan 2020 16:16

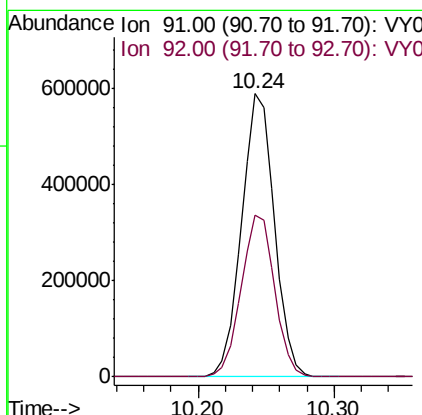
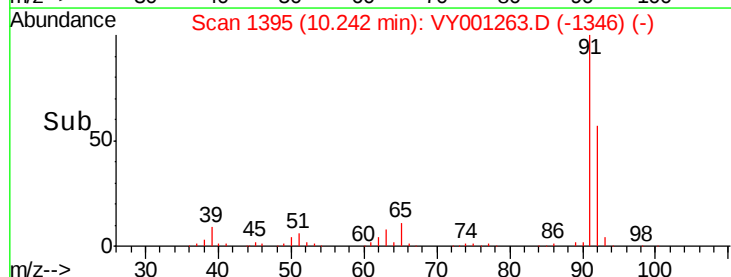
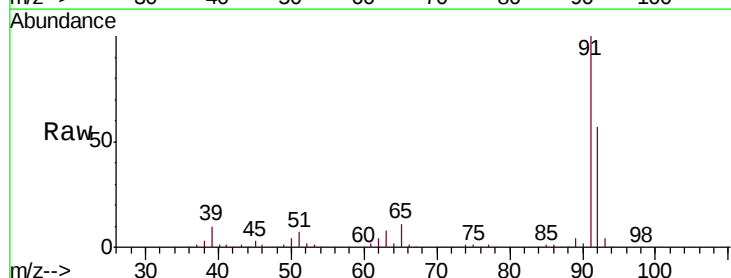
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 X2K74

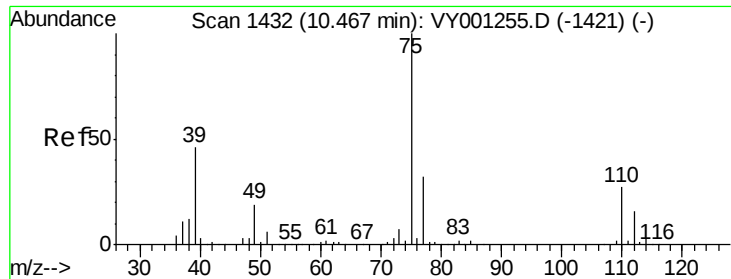
Tgt Ion: 75 Resp: 4335  
 Ion Ratio Lower Upper  
 75 100  
 77 49.8 22.1 41.1#



#42  
 Toluene  
 Concen: 49.433 ug/L  
 RT: 10.24 min Scan# 1395  
 Delta R.T. 0.00 min  
 Lab File: VY001263.D  
 Acq: 16 Jan 2020 16:16

Tgt Ion: 91 Resp: 994452  
 Ion Ratio Lower Upper  
 91 100  
 92 57.0 40.5 75.1

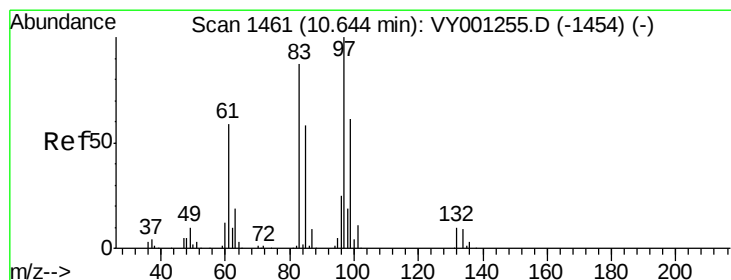
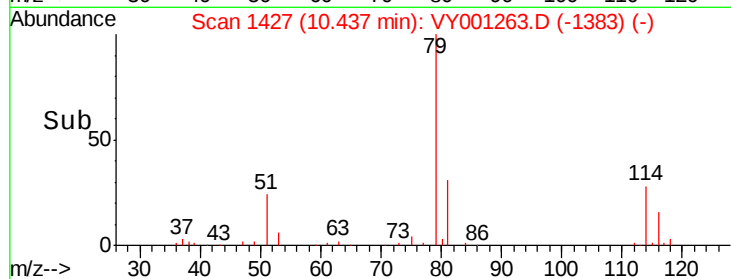
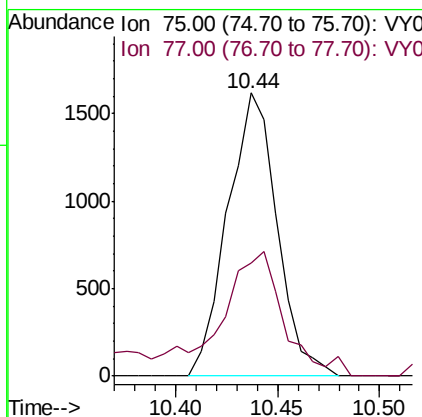
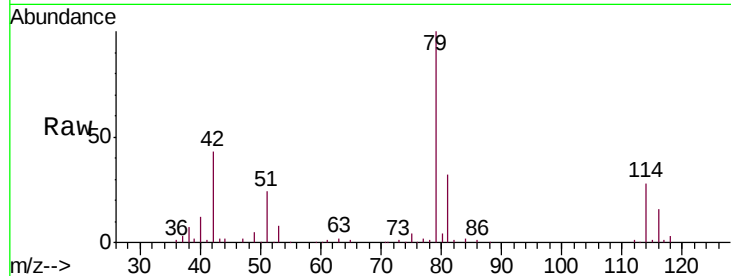




#44  
trans-1,3-Dichloropropene  
Concen: 0.404 ug/L  
RT: 10.44 min Scan# 1427  
Delta R.T. -0.03 min  
Lab File: VY001263.D  
Acq: 16 Jan 2020 16:16

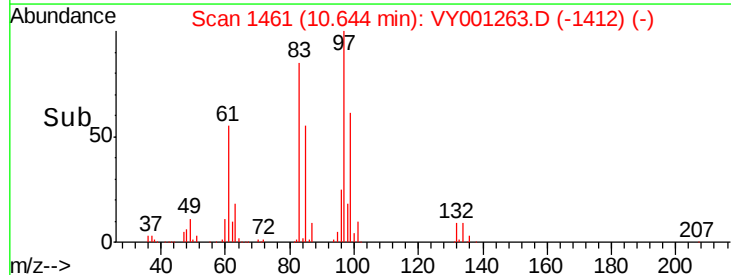
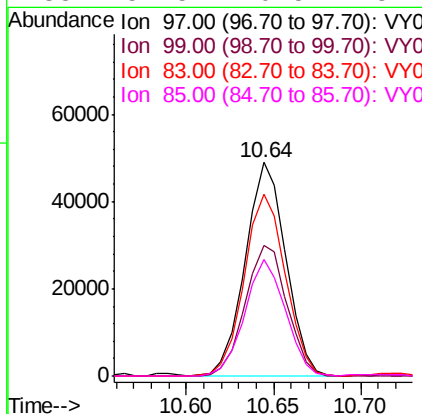
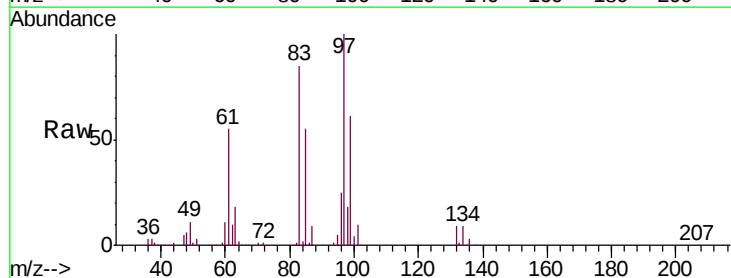
Instrument :  
MSVOA\_Y  
ClientSampleId :  
X2K74

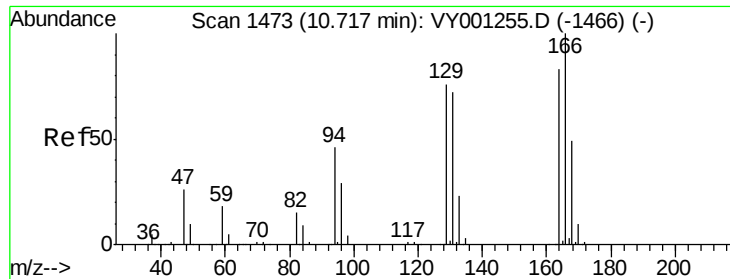
Tgt Ion: 75 Resp: 2725  
Ion Ratio Lower Upper  
75 100  
77 40.2 22.5 41.7



#45  
1,1,2-Trichloroethane  
Concen: 19.612 ug/L  
RT: 10.64 min Scan# 1461  
Delta R.T. 0.00 min  
Lab File: VY001263.D  
Acq: 16 Jan 2020 16:16

Tgt Ion: 97 Resp: 79084  
Ion Ratio Lower Upper  
97 100  
99 60.9 42.7 79.3  
83 85.1 61.1 113.5  
85 54.5 40.5 75.1





#46

Tetrachloroethene

Concen: 10.144 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VY001263.D

Acq: 16 Jan 2020 16:16

Instrument :

MSVOA\_Y

ClientSampleId :

X2K74

Tgt Ion:164 Resp: 36999

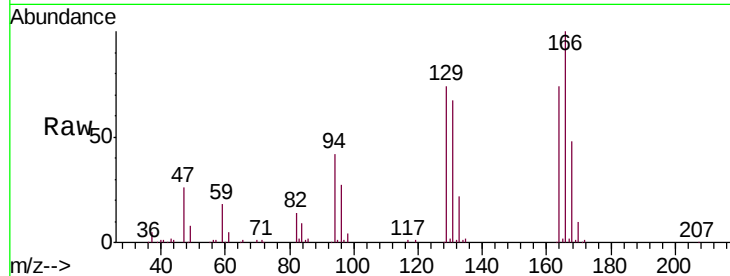
Ion Ratio Lower Upper

164 100

129 100.0 64.7 120.1

131 91.5 61.2 113.6

166 136.0 84.8 157.4

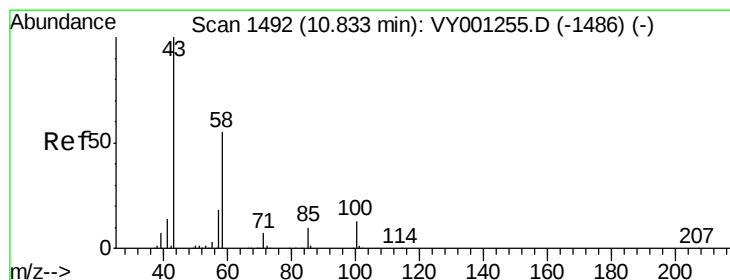
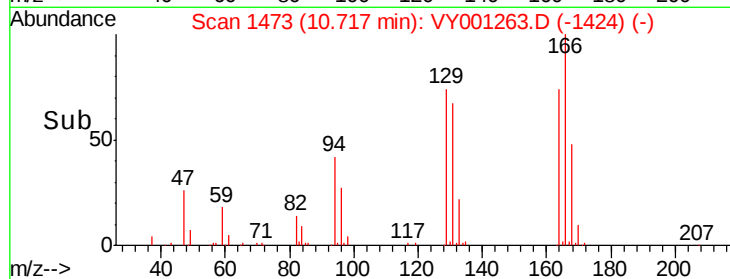
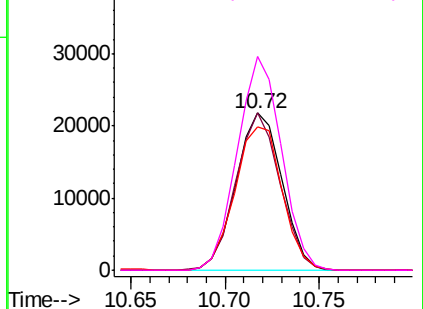


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 2.390 ug/L

RT: 10.79 min Scan# 1485

Delta R.T. -0.04 min

Lab File: VY001263.D

Acq: 16 Jan 2020 16:16

Tgt Ion: 43 Resp: 9316

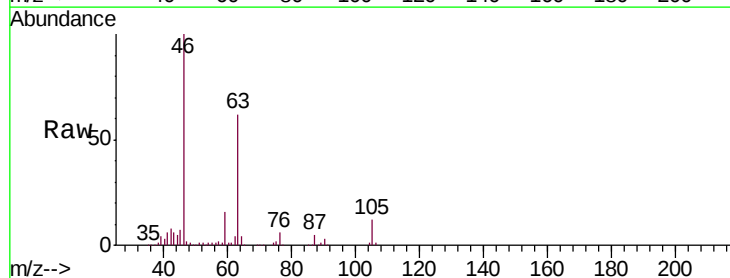
Ion Ratio Lower Upper

43 100

58 19.8 43.2 64.8#

57 22.0 14.9 22.3

100 0.0 10.0 15.0#

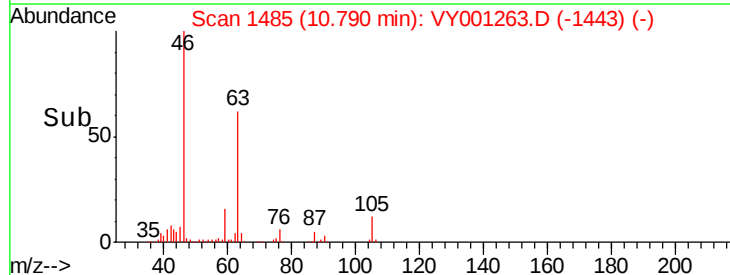
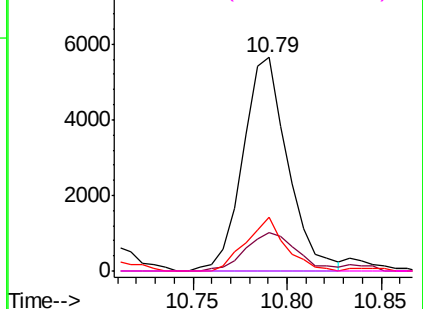


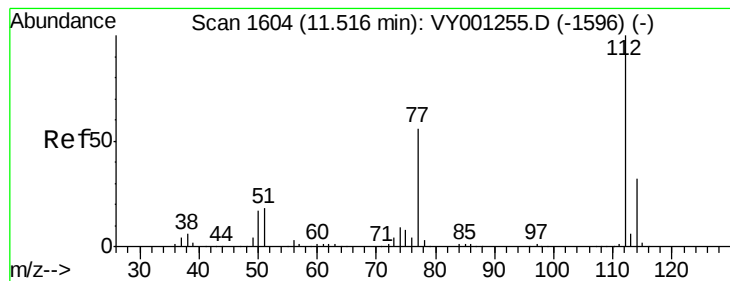
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

Chlorobenzene

Concen: 12.348 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY001263.D

Acq: 16 Jan 2020 16:16

Instrument :

MSVOA\_Y

ClientSampleId :

X2K74

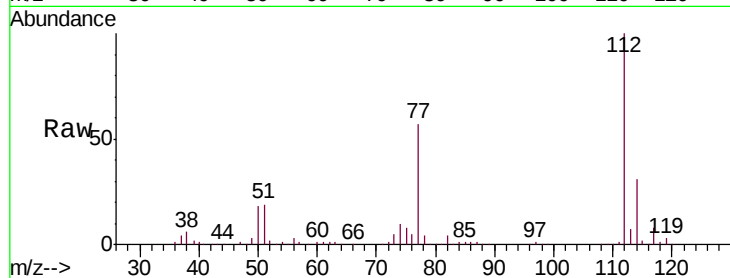
Tgt Ion: 112 Resp: 157399

Ion Ratio Lower Upper

112 100

114 31.0 22.2 41.2

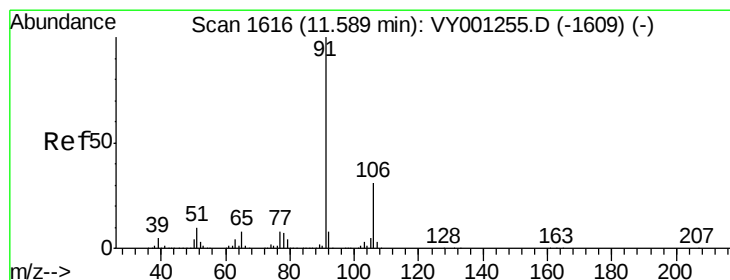
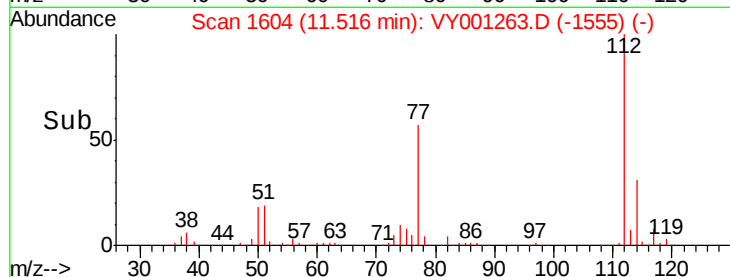
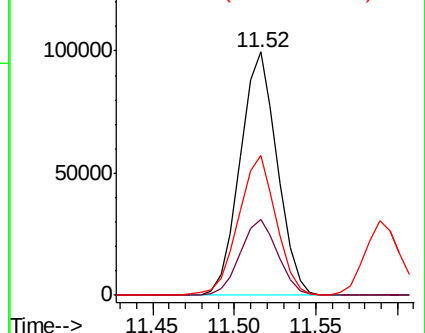
77 57.4 45.0 67.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 24.266 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001263.D

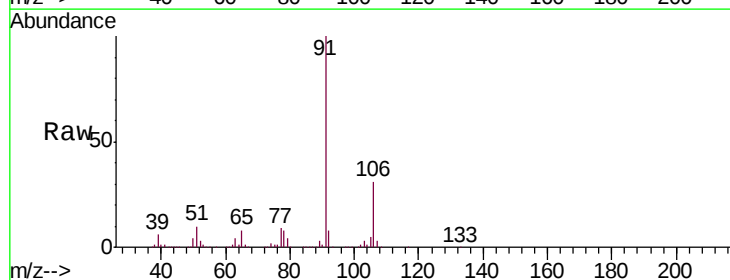
Acq: 16 Jan 2020 16:16

Tgt Ion: 91 Resp: 547257

Ion Ratio Lower Upper

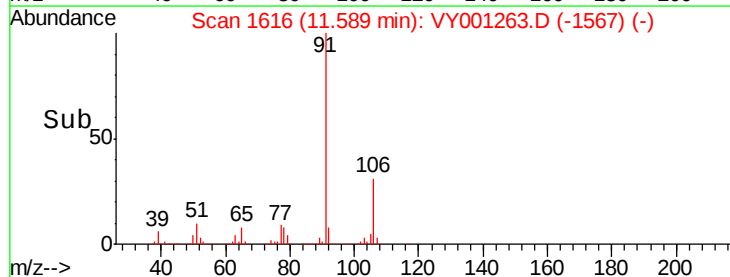
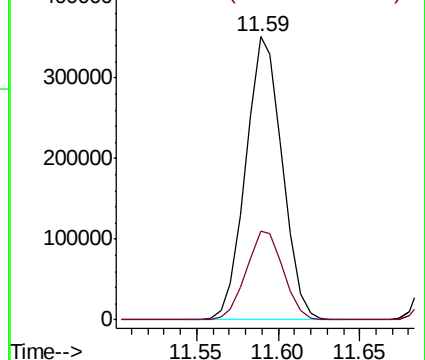
91 100

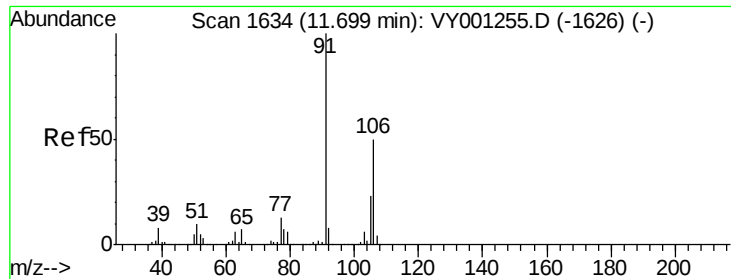
106 31.2 21.7 40.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 29.245 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY001263.D

Acq: 16 Jan 2020 16:16

Instrument :

MSVOA\_Y

ClientSampled :

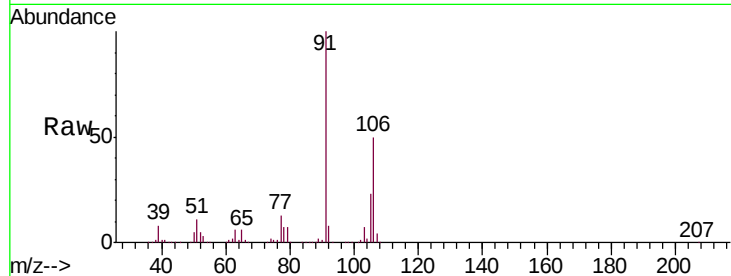
X2K74

Tgt Ion:106 Resp: 256265

Ion Ratio Lower Upper

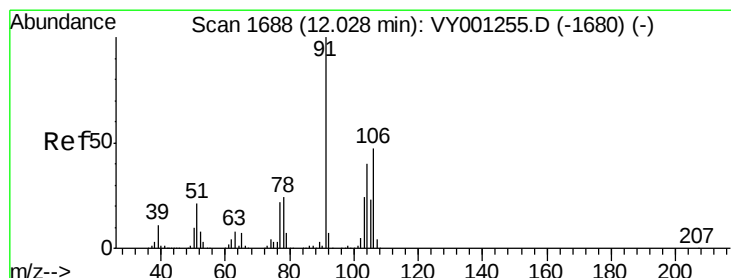
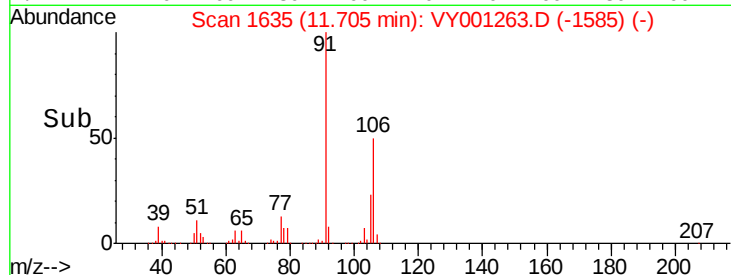
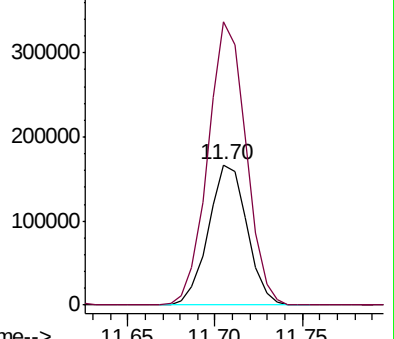
106 100

91 201.3 139.4 258.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#54

o-Xylene

Concen: 24.554 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY001263.D

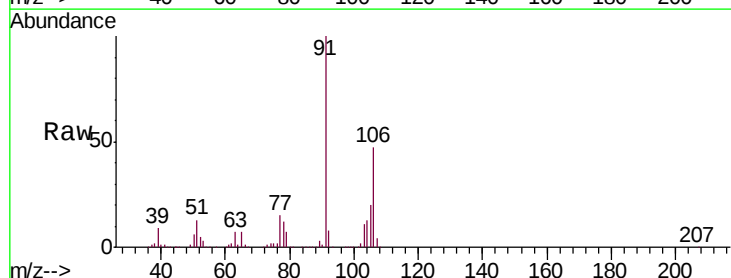
Acq: 16 Jan 2020 16:16

Tgt Ion:106 Resp: 206135

Ion Ratio Lower Upper

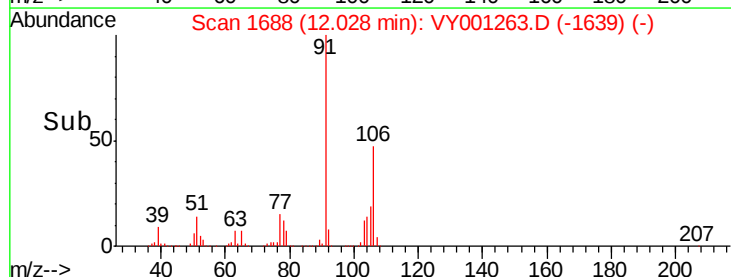
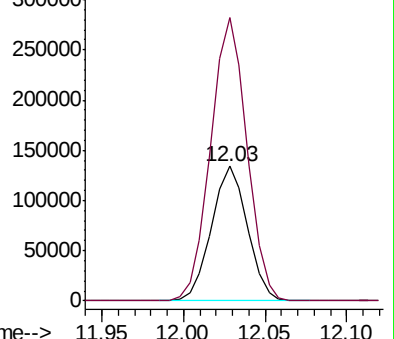
106 100

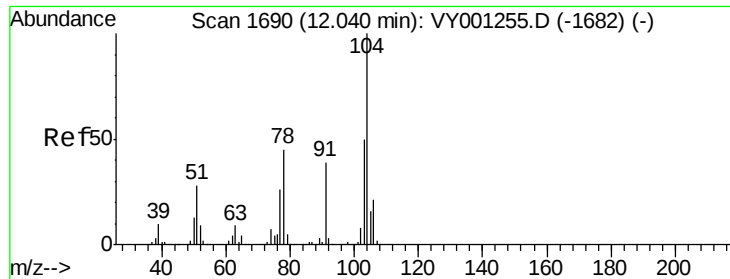
91 210.7 148.5 275.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#55

Styrene

Concen: 10.368 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VY001263.D

Acq: 16 Jan 2020 16:16

Instrument :

MSVOA\_Y

ClientSampled :

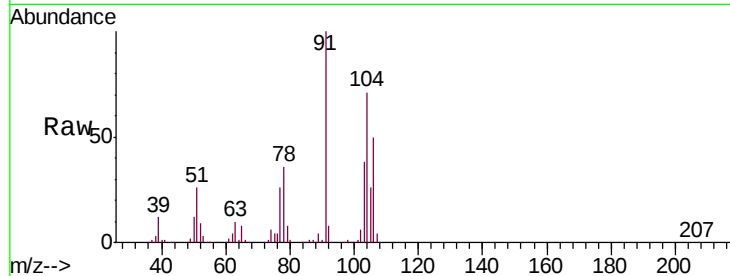
X2K74

Tgt Ion: 104 Resp: 152364

Ion Ratio Lower Upper

104 100

78 50.7 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): VY001255.D (-1682) (-)

Ion 78.00 (77.70 to 78.70): VY001255.D (-1682) (-)

12.04

80000

60000

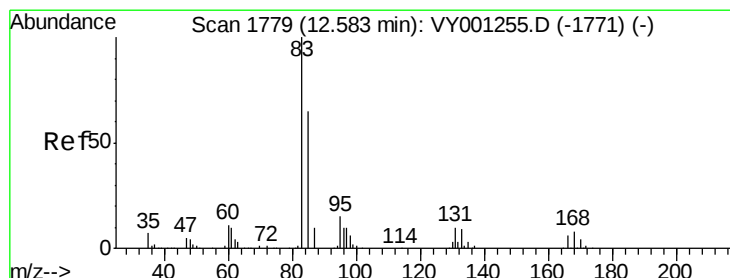
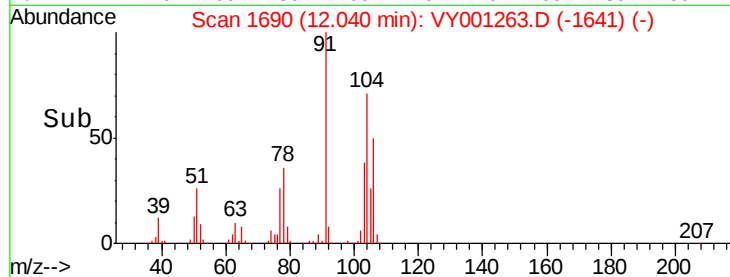
40000

20000

0

12.00 12.10

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 11.219 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY001263.D

Acq: 16 Jan 2020 16:16

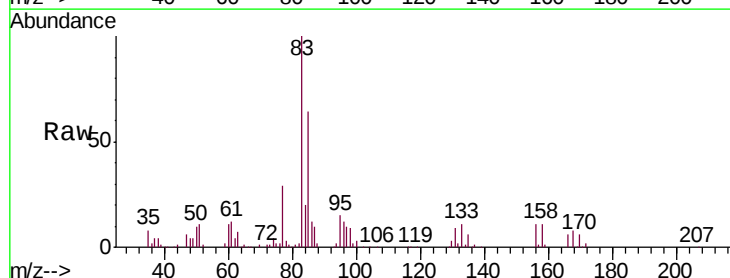
Tgt Ion: 83 Resp: 63421

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6

131 9.3 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VY001255.D (-1771) (-)

Ion 85.00 (84.70 to 85.70): VY001255.D (-1771) (-)

Ion 131.00 (130.70 to 131.70): VY001255.D (-1771) (-)

12.58

50000

40000

30000

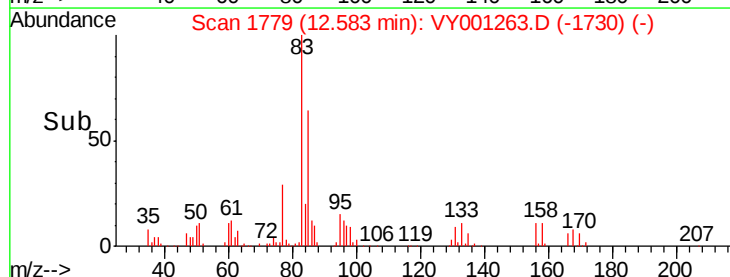
20000

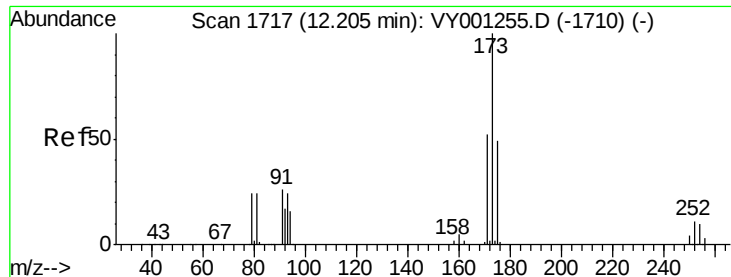
10000

0

12.50 12.55 12.60 12.65

Time-->





#59

Bromoform

Concen: 11.566 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001263.D

Acq: 16 Jan 2020 16:16

Instrument :

MSVOA\_Y

ClientSampled :

X2K74

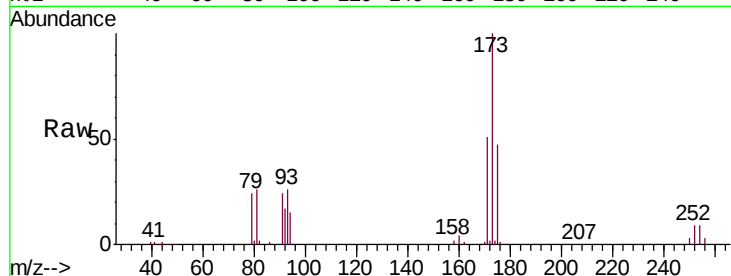
Tgt Ion:173 Resp: 33535

Ion Ratio Lower Upper

173 100

175 48.0 38.5 57.7

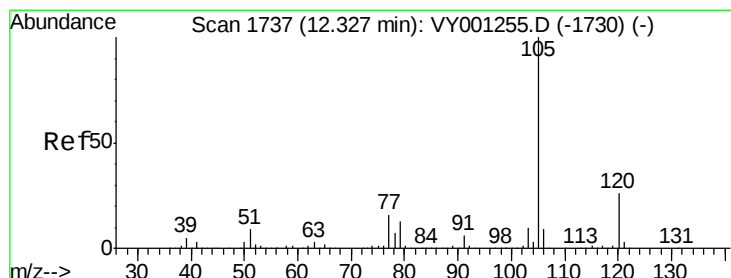
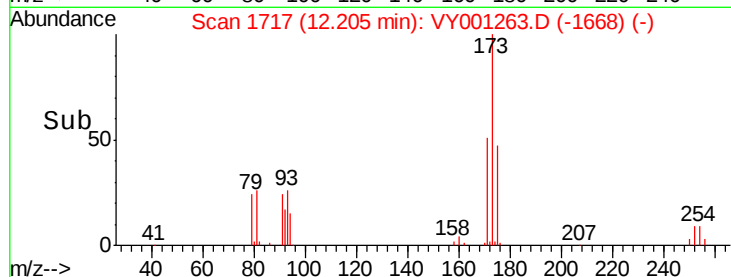
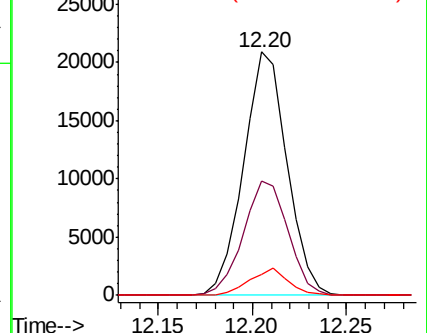
254 10.0 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 19.837 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001263.D

Acq: 16 Jan 2020 16:16

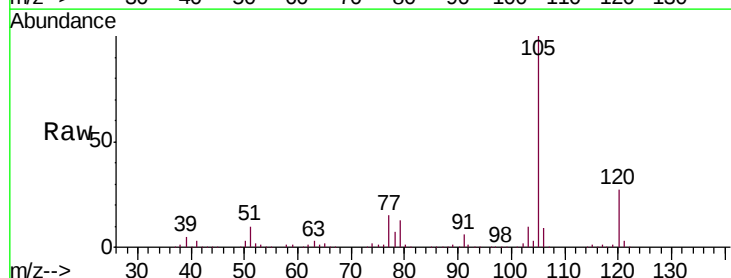
Tgt Ion:105 Resp: 433378

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

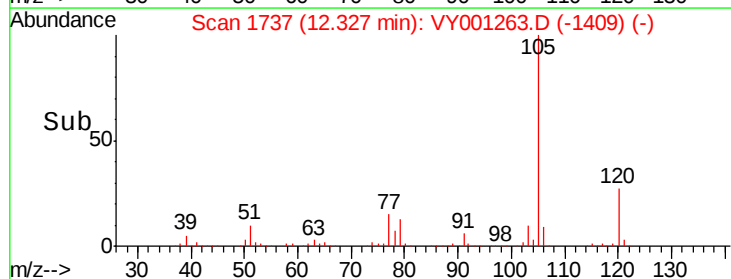
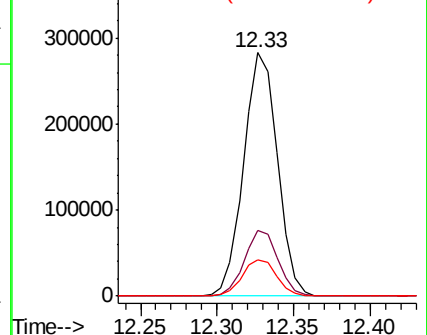
77 15.3 12.3 18.5

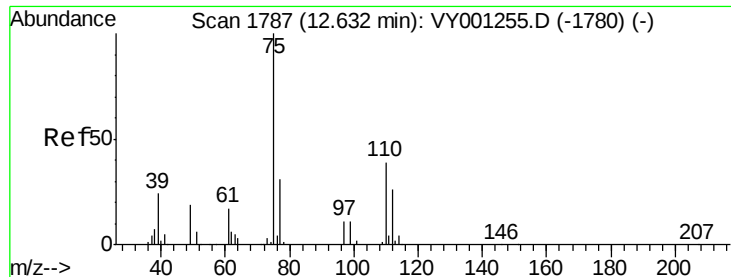


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

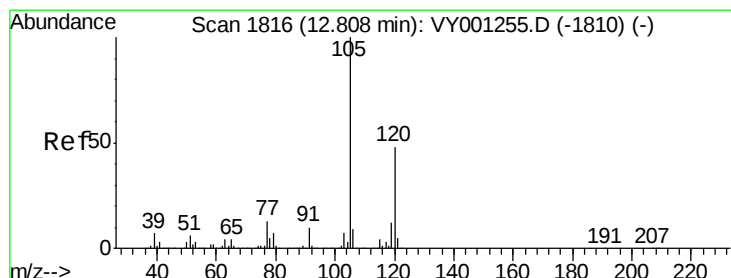
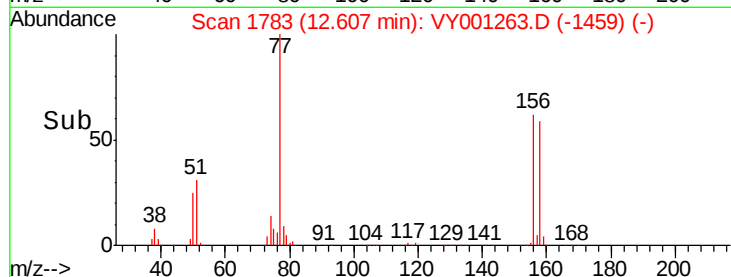
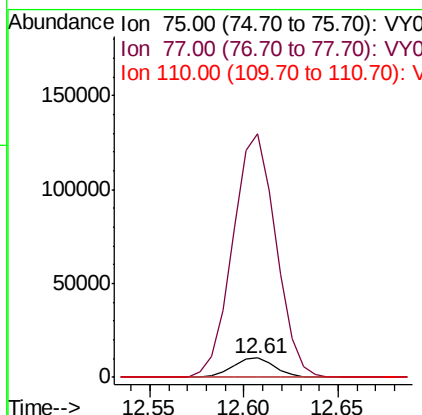
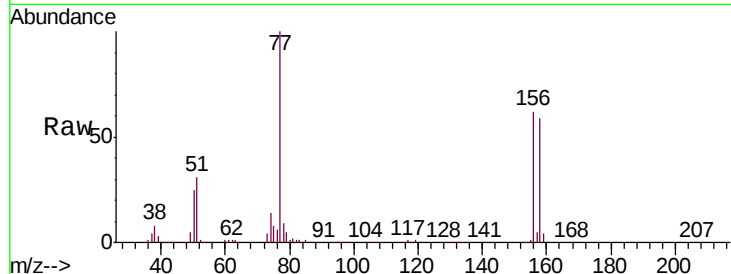




#61  
 1,2,3-Trichloropropane  
 Concen: 3.846 ug/L  
 RT: 12.61 min Scan# 1783  
 Delta R.T. -0.02 min  
 Lab File: VY001263.D  
 Acq: 16 Jan 2020 16:16

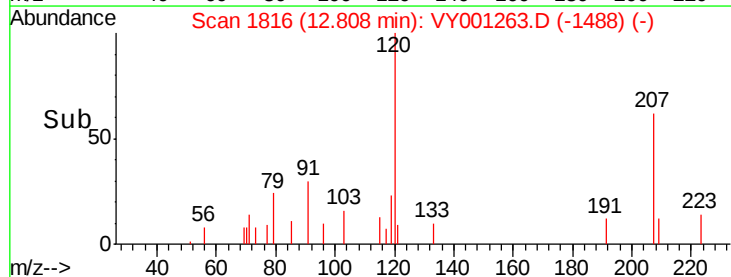
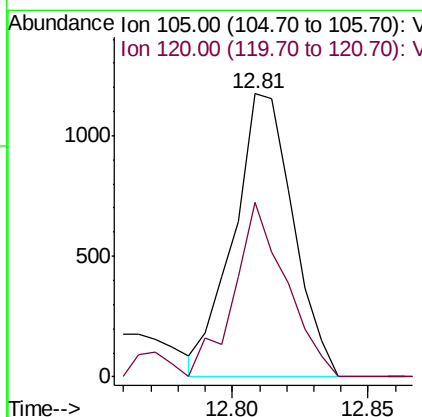
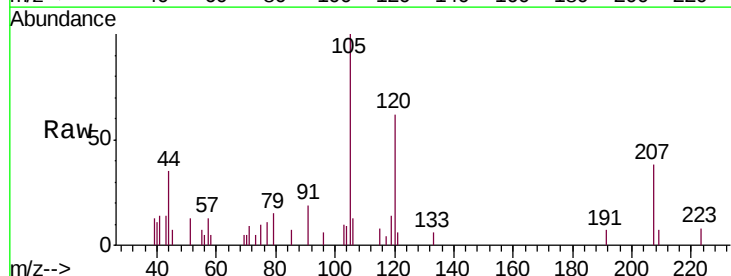
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 X2K74

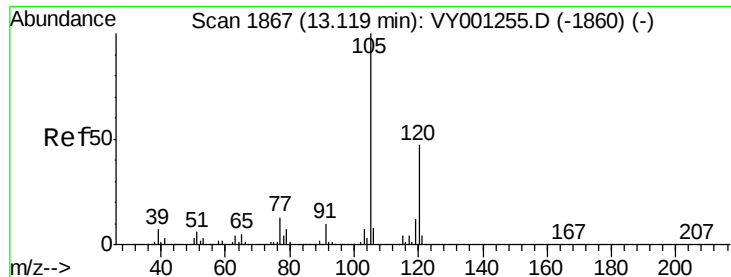
Tgt Ion: 75 Resp: 16400  
 Ion Ratio Lower Upper  
 75 100  
 77 1257.2 25.1 37.7#  
 110 0.0 31.4 47.2#



#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.098 ug/L  
 RT: 12.81 min Scan# 1816  
 Delta R.T. 0.00 min  
 Lab File: VY001263.D  
 Acq: 16 Jan 2020 16:16

Tgt Ion: 105 Resp: 1781  
 Ion Ratio Lower Upper  
 105 100  
 120 54.0 0.2 0.2#

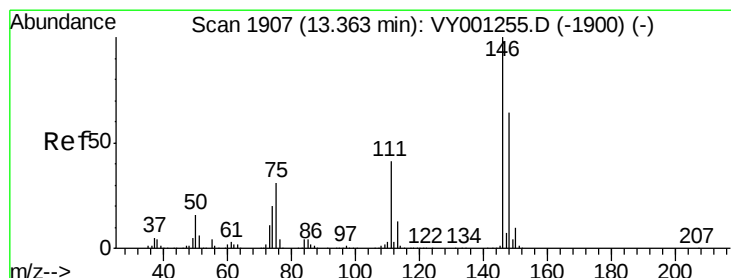
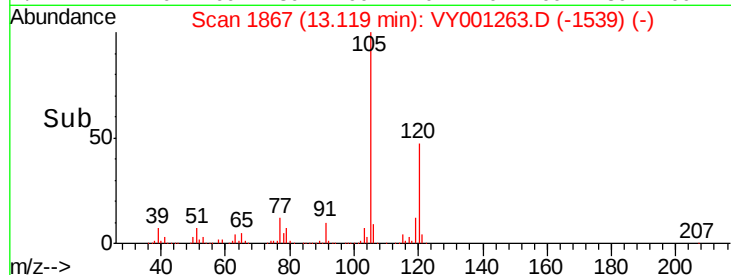
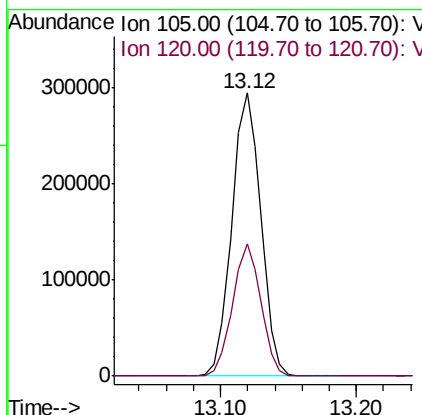
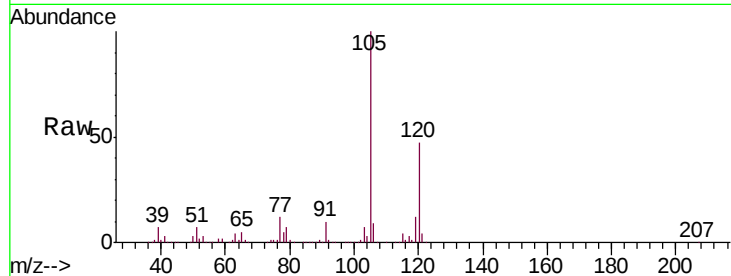




#63  
 1,2,4-Trimethylbenzene  
 Concen: 24.319 ug/L  
 RT: 13.12 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VY001263.D  
 Acq: 16 Jan 2020 16:16

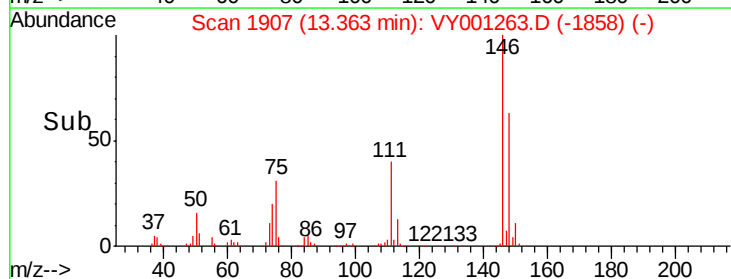
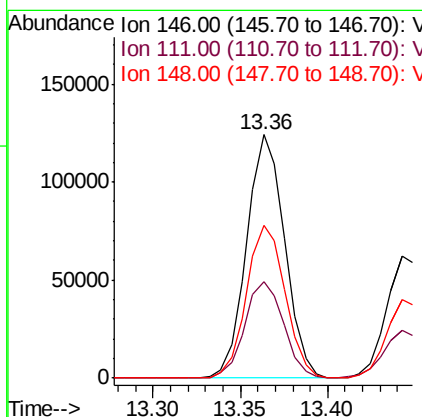
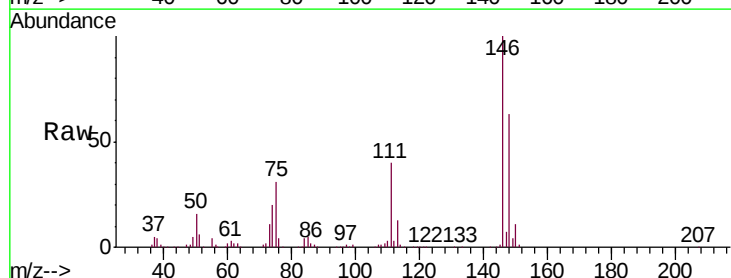
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 X2K74

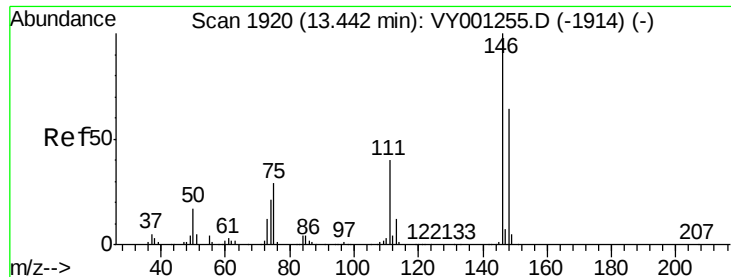
Tgt Ion:105 Resp: 435111  
 Ion Ratio Lower Upper  
 105 100  
 120 45.9 37.0 55.6



#64  
 1,3-Dichlorobenzene  
 Concen: 19.511 ug/L  
 RT: 13.36 min Scan# 1907  
 Delta R.T. 0.00 min  
 Lab File: VY001263.D  
 Acq: 16 Jan 2020 16:16

Tgt Ion:146 Resp: 189067  
 Ion Ratio Lower Upper  
 146 100  
 111 39.9 28.7 53.3  
 148 62.5 44.5 82.7

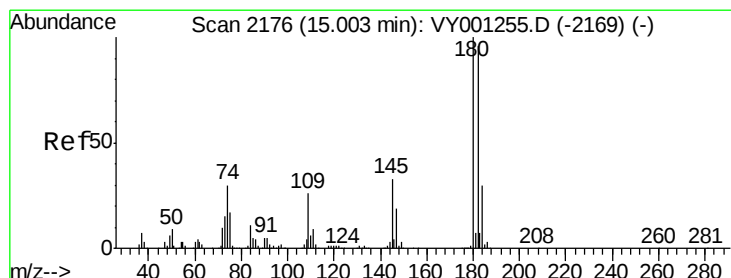
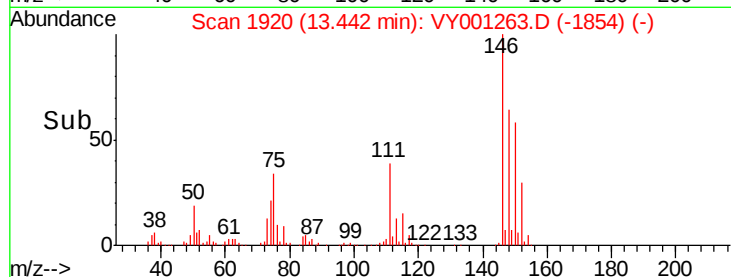
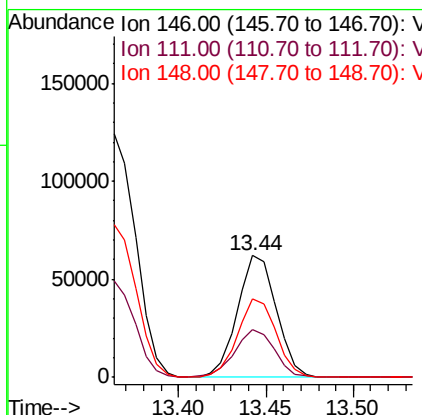
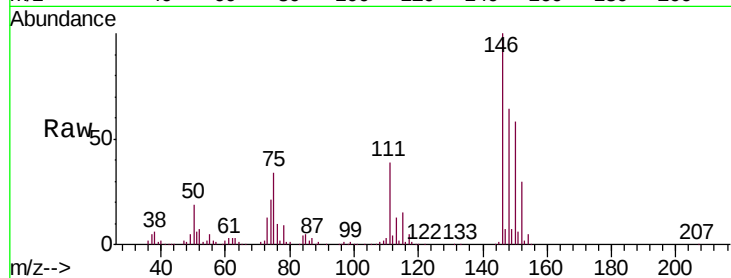




#65  
 1,4-Dichlorobenzene  
 Concen: 9.938 ug/L  
 RT: 13.44 min Scan# 1920  
 Delta R.T. 0.00 min  
 Lab File: VY001263.D  
 Acq: 16 Jan 2020 16:16

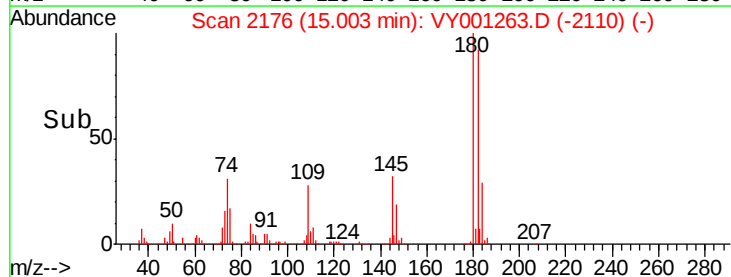
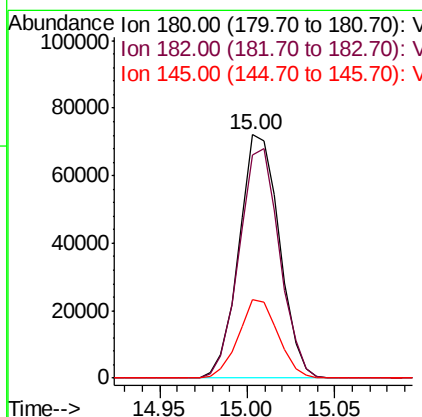
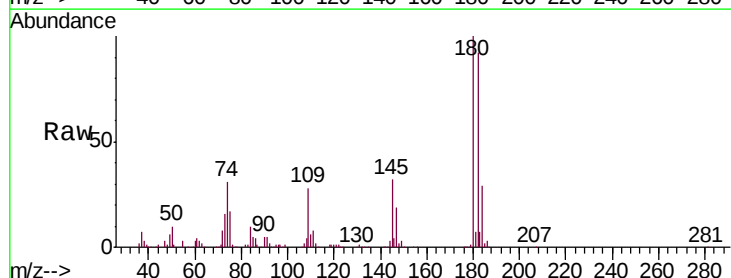
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 X2K74

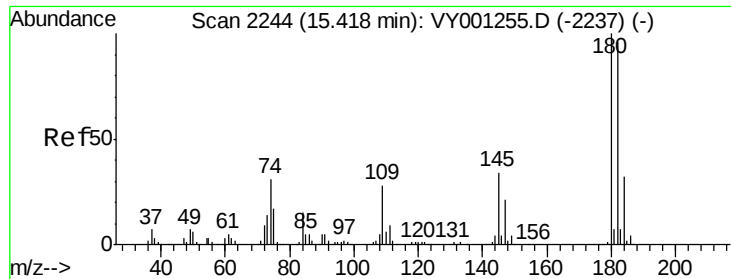
Tgt Ion:146 Resp: 96679  
 Ion Ratio Lower Upper  
 146 100  
 111 38.9 27.9 51.7  
 148 64.3 44.9 83.3



#70  
 1,2,4-trichlorobenzene  
 Concen: 19.097 ug/L  
 RT: 15.00 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VY001263.D  
 Acq: 16 Jan 2020 16:16

Tgt Ion:180 Resp: 115851  
 Ion Ratio Lower Upper  
 180 100  
 182 94.5 76.7 115.1  
 145 31.6 25.9 38.9





#72  
 1,2,3-Trichlorobenzene  
 Concen: 27.779 ug/L  
 RT: 15.42 min Scan# 2245  
 Delta R.T. 0.01 min  
 Lab File: VY001263.D  
 Acq: 16 Jan 2020 16:16

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 X2K74

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.6  | 75.6  | 113.4 |
| 145     | 33.3  | 26.3  | 39.5  |

