

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\  
 Data File : VY000771.D  
 Acq On : 21 Nov 2019 16:26  
 Operator : SY/MD  
 Sample : K5948-01  
 Misc : 6.32G/5ML/MSVOA Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 22 03:15:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 13:30:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 320126   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 597482   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 491999   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 164160   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.15   | 65  | 173887   | 52.49 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.98% |      |
| 35) Dibromofluoromethane  | 7.72   | 113 | 169339   | 48.28 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.56%  |      |
| 50) Toluene-d8            | 10.18  | 98  | 695983   | 52.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.58% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 198938   | 39.26 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 78.52%  |      |

## Target Compounds

|                                |       |     |        |         |        | Qvalue |
|--------------------------------|-------|-----|--------|---------|--------|--------|
| 10) Methyl Iodide              | 4.10  | 142 | 126    | 3.227   | ug/l # | 87     |
| 16) Acetone                    | 3.96  | 43  | 28445  | 31.153  | ug/l   | 99     |
| 20) Methylene Chloride         | 4.72  | 84  | 5819   | 1.487   | ug/l # | 84     |
| 25) 2-Butanone                 | 7.00  | 43  | 10881  | 7.467   | ug/l   | 95     |
| 28) Bromochloromethane         | 7.33  | 49  | 21     | 4.100   | ug/l # | 14     |
| 31) Cyclohexane                | 7.79  | 56  | 13480  | 2.102   | ug/l # | 57     |
| 36) 1,1-Dichloropropene        | 7.80  | 75  | 25650  | 4.541   | ug/l # | 48     |
| 37) Ethyl Acetate              | 7.00  | 43  | 10881  | 3.245   | ug/l # | 70     |
| 38) Carbon Tetrachloride       | 7.80  | 117 | 30874  | 5.681   | ug/l # | 14     |
| 39) Methylcyclohexane          | 9.19  | 83  | 49582  | 6.795   | ug/l   | 98     |
| 40) Benzene                    | 8.17  | 78  | 173583 | 10.482  | ug/l   | 96     |
| 43) Isopropyl Acetate          | 8.27  | 43  | 21552  | 3.421   | ug/l # | 53     |
| 47) Bromodichloromethane       | 9.48  | 83  | 7047   | 1.325   | ug/l # | 30     |
| 48) Methyl methacrylate        | 9.32  | 41  | 4213   | 1.531   | ug/l # | 31     |
| 51) 4-Methyl-2-Pentanone       | 10.11 | 43  | 5095   | 1.521   | ug/l # | 67     |
| 52) Toluene                    | 10.25 | 92  | 33484  | 3.198   | ug/l   | 96     |
| 55) 1,1,2-Trichloroethane      | 10.62 | 97  | 32529  | 10.034  | ug/l # | 20     |
| 56) Ethyl methacrylate         | 10.52 | 69  | 5801   | 1.262   | ug/l # | 29     |
| 65) Chlorobenzene              | 11.51 | 112 | 198470 | 19.896  | ug/l   | 100    |
| 68) m/p-Xylenes                | 11.69 | 106 | 10049  | 1.414   | ug/l   | 89     |
| 69) o-Xylene                   | 12.02 | 106 | 8166   | 1.223   | ug/l   | 97     |
| 73) Isopropylbenzene           | 12.33 | 105 | 26846  | 2.213   | ug/l   | 98     |
| 74) N-amyl acetate             | 12.12 | 43  | 10183  | 2.931   | ug/l # | 50     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.56 | 83  | 4784   | 1.991   | ug/l # | 53     |
| 76) 1,2,3-Trichloropropane     | 12.47 | 75  | 98766  | 52.839  | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105 | 14420  | 1.427   | ug/l   | 95     |
| 81) trans-1,4-Dichloro-2-buten | 12.47 | 75  | 98766  | 118.472 | ug/l # | 13     |
| 84) 1,2,4-Trimethylbenzene     | 13.11 | 105 | 53666  | 5.334   | ug/l   | 99     |
| 86) p-Isopropyltoluene         | 13.36 | 119 | 50809  | 4.638   | ug/l   | 99     |
| 90) Hexachloroethane           | 13.97 | 117 | 4664   | 2.303   | ug/l # | 14     |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146 | 23311  | 4.768   | ug/l   | 86     |
| 95) Naphthalene                | 15.23 | 128 | 30243  | 4.092   | ug/l # | 91     |

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Sample : K5948-01  
Misc : 6.32G/5ML/MSVOA Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

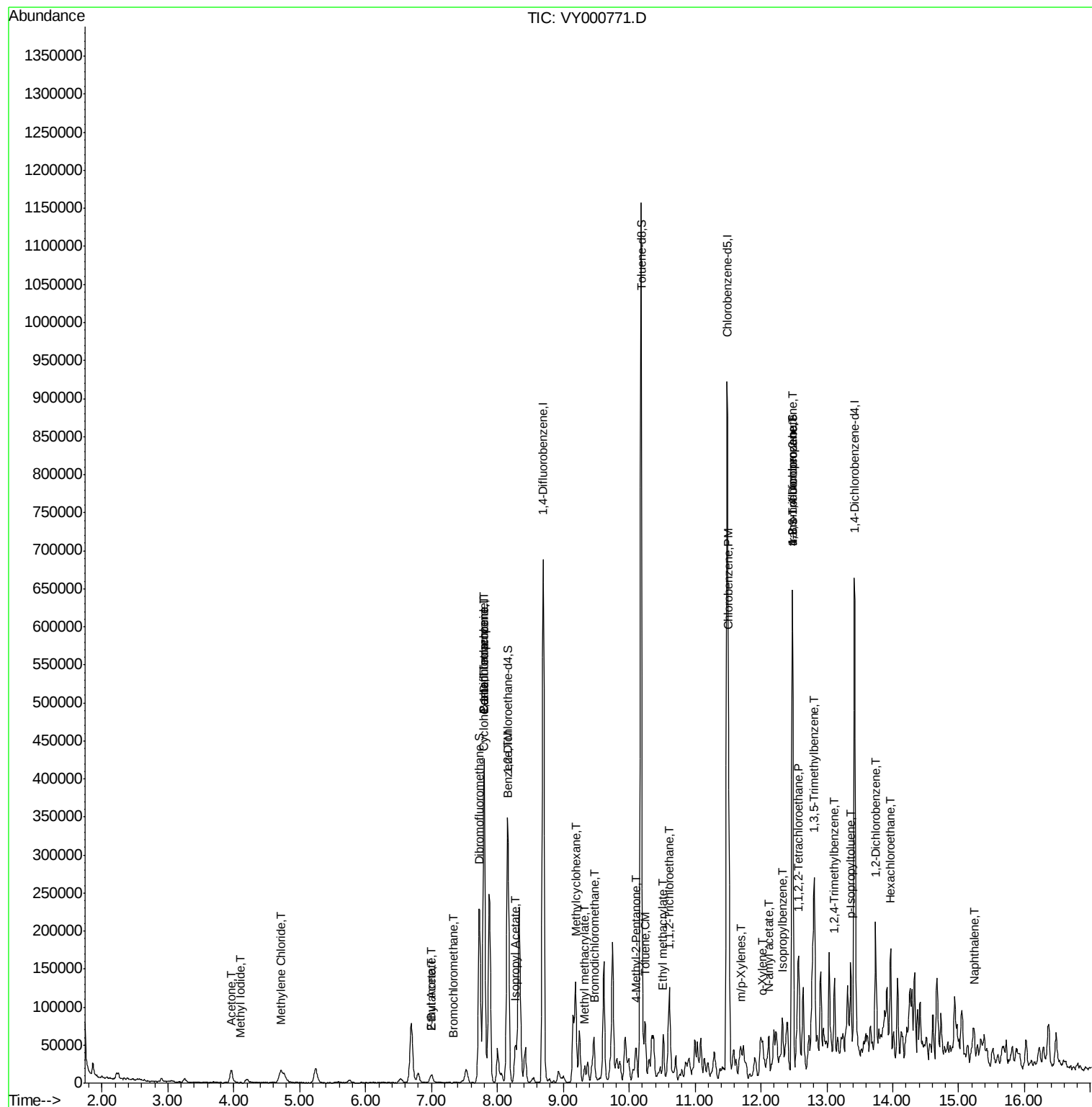
Quant Time: Nov 22 03:15:00 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 30 13:30:53 2019  
Response via : Initial Calibration

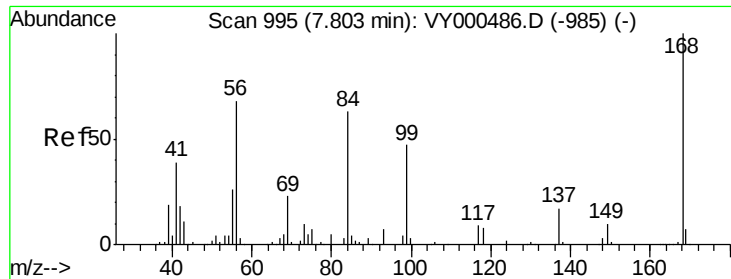
| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112119\  
Data File : VY000771.D  
Acq On : 21 Nov 2019 16:26  
Operator : SY/MD  
Sample : K5948-01  
Misc : 6.32G/5ML/MSVOA Y/SOIL  
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Quant Time: Nov 22 03:15:00 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 30 13:30:53 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

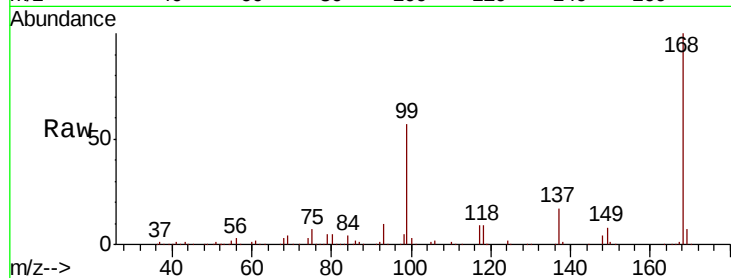
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tot Ion:168 Resp: 320126

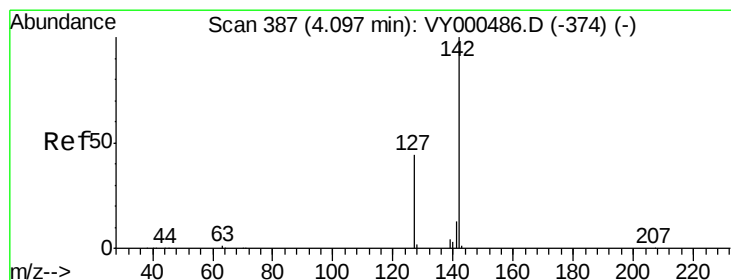
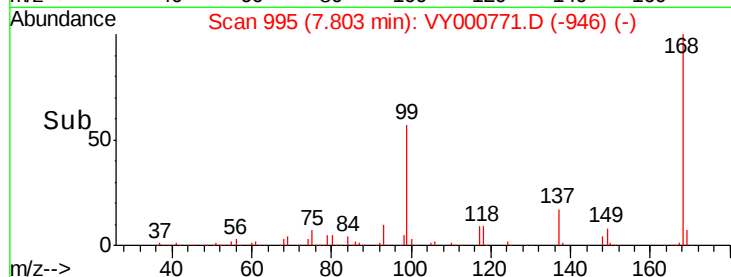
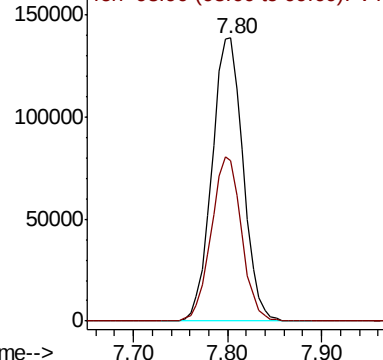
Ion Ratio Lower Upper

168 100

99 56.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V  
Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.227 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

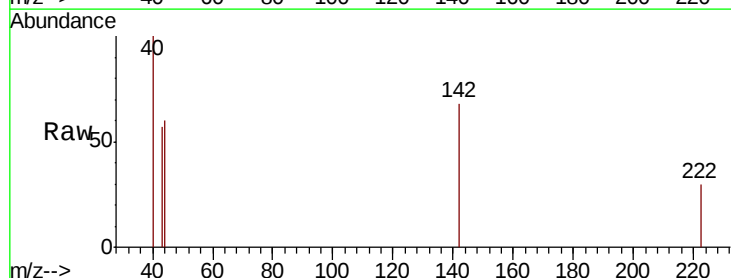
Tgt Ion:142 Resp: 126

Ion Ratio Lower Upper

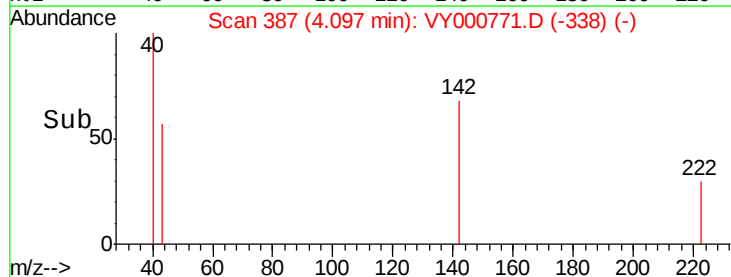
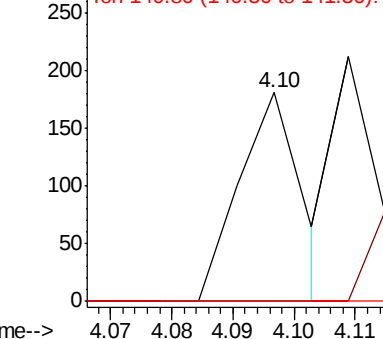
142 100

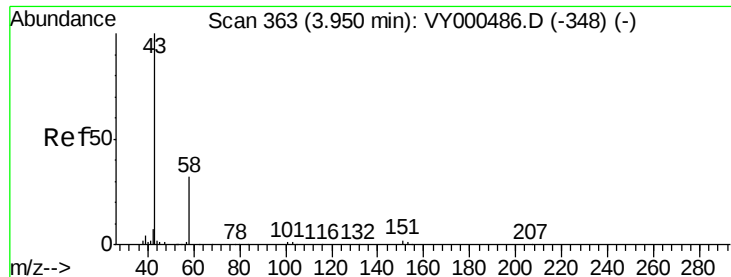
127 46.0 33.7 50.5

141 0.0 10.9 16.3#



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





#16

Acetone

Concen: 31.153 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Instrument :

MSVOA\_Y

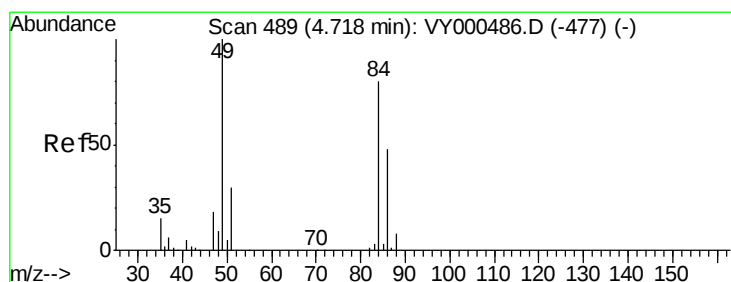
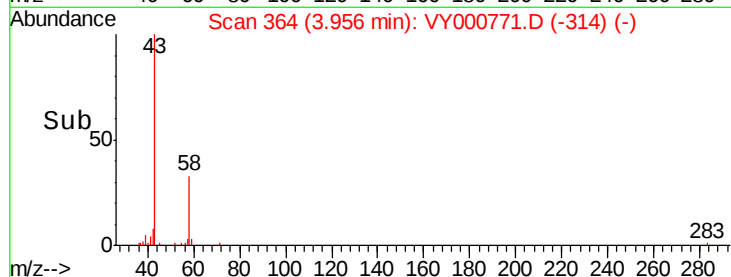
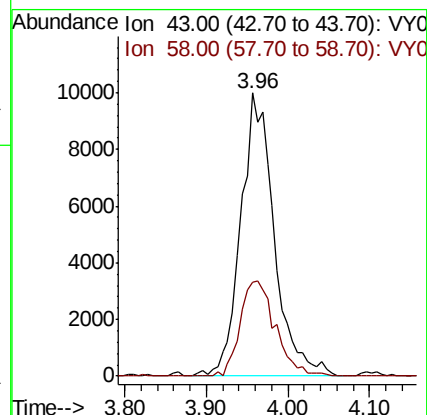
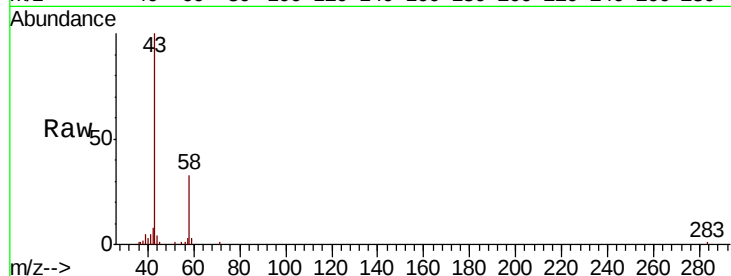
ClientSampled :

Tot Ion: 43 Resp: 28445

Ion Ratio Lower Upper

43 100

58 33.0 25.8 38.6



#20

Methylene Chloride

Concen: 1.487 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Tgt Ion: 84 Resp: 5819

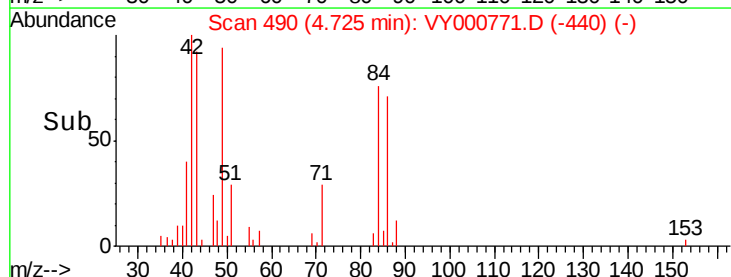
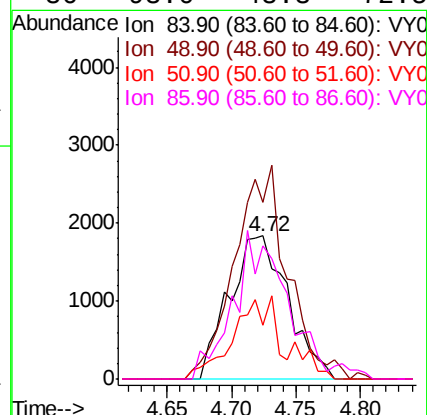
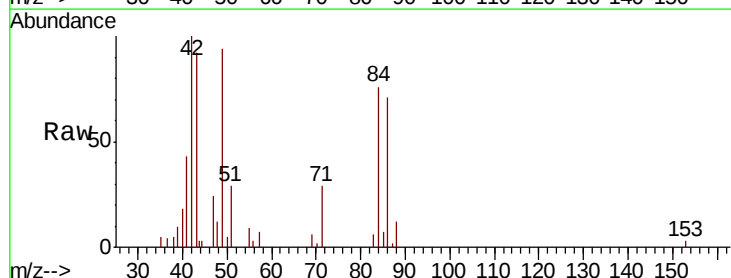
Ion Ratio Lower Upper

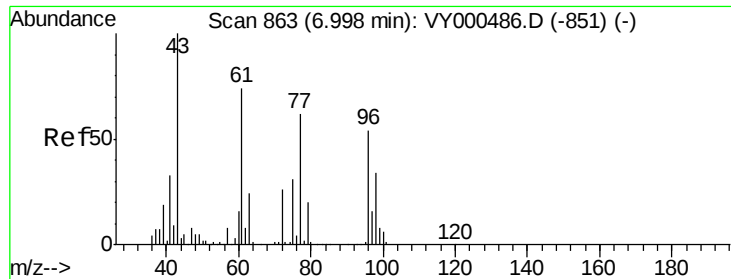
84 100

49 117.2 100.2 150.4

51 37.7 29.6 44.4

86 93.0 48.3 72.5#

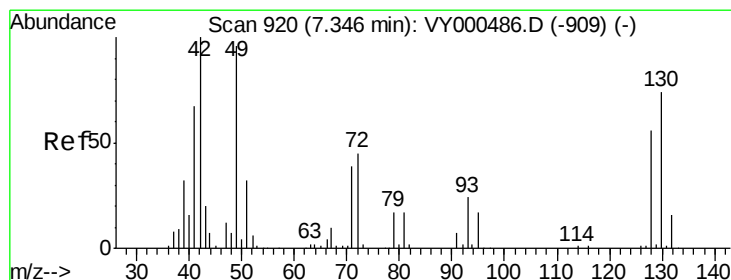
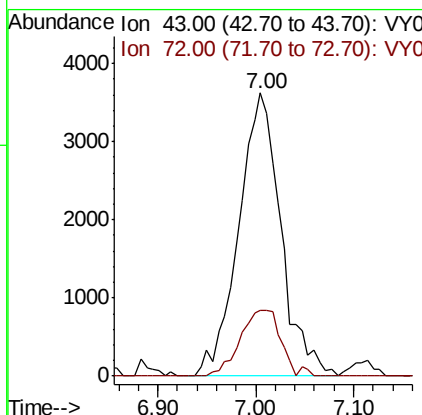
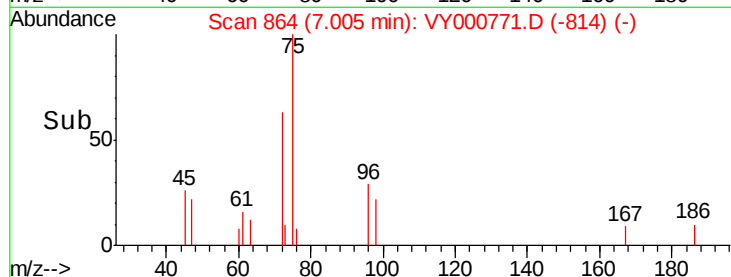
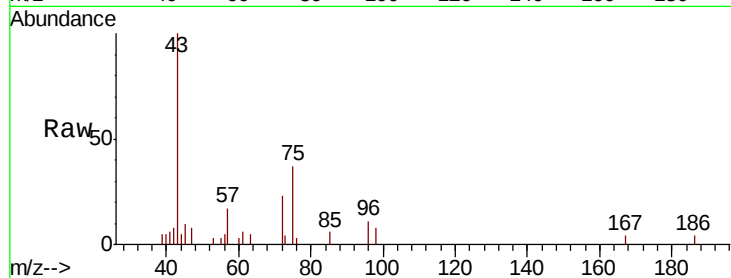




#25  
2-Butanone  
Concen: 7.467 ug/l  
RT: 7.00 min Scan# 864  
Delta R.T. 0.01 min  
Lab File: VY000771.D  
Acq: 21 Nov 2019 16:26

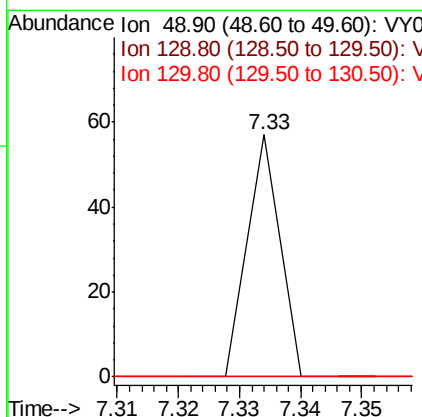
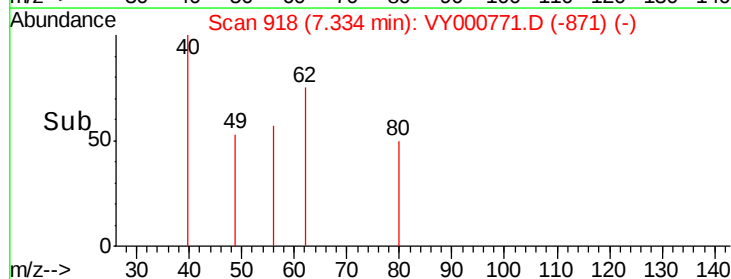
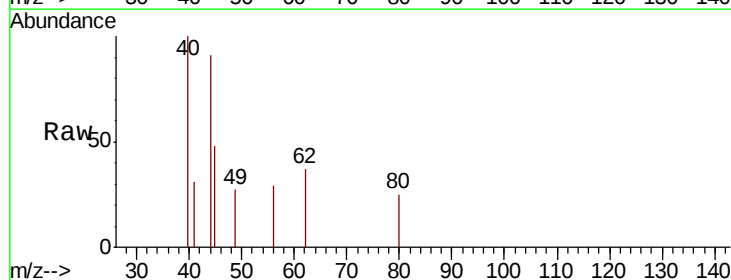
Instrument :  
MSVOA\_Y  
ClientSampled :

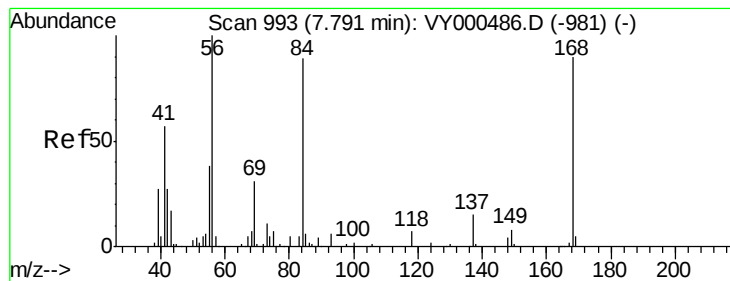
Tot Ion: 43 Resp: 10881  
Ion Ratio Lower Upper  
43 100  
72 23.4 20.9 31.3



#28  
Bromochloromethane  
Concen: 4.100 ug/l  
RT: 7.33 min Scan# 918  
Delta R.T. -0.01 min  
Lab File: VY000771.D  
Acq: 21 Nov 2019 16:26

Tgt Ion: 49 Resp: 21  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 3.6  
130 0.0 59.4 89.0#





#31

Cyclohexane

Concen: 2.102 ug/l

RT: 7.79 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Instrument :  
MSVOA\_Y  
ClientSampled :

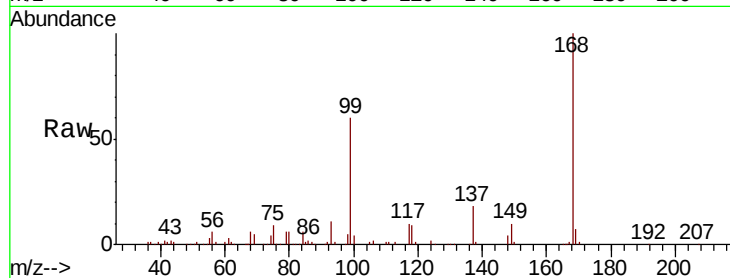
Tot Ion: 56 Resp: 13480

Ion Ratio Lower Upper

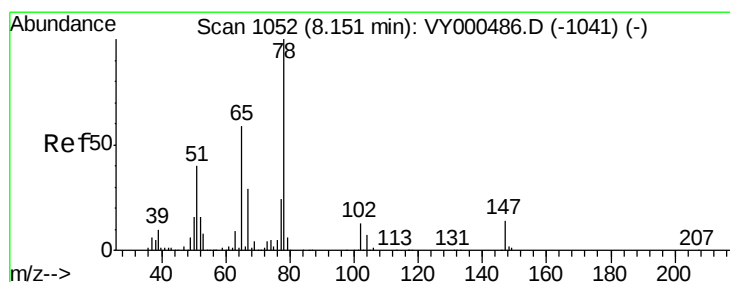
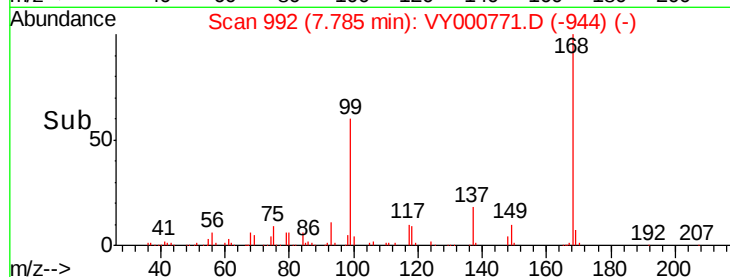
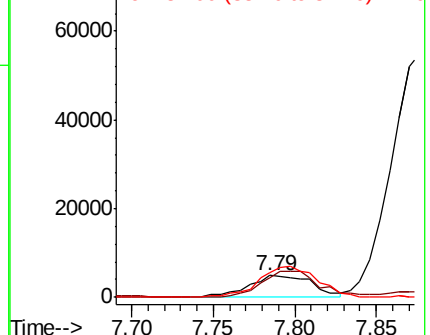
56 100

69 87.2 25.0 37.6#

84 110.3 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VY0  
Ion 69.00 (68.70 to 69.70): VY0  
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 52.488 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000771.D

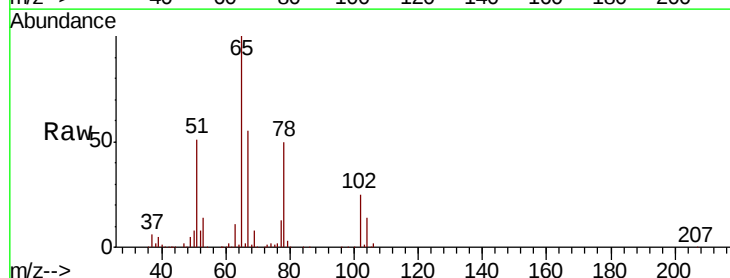
Acq: 21 Nov 2019 16:26

Tgt Ion: 65 Resp: 173887

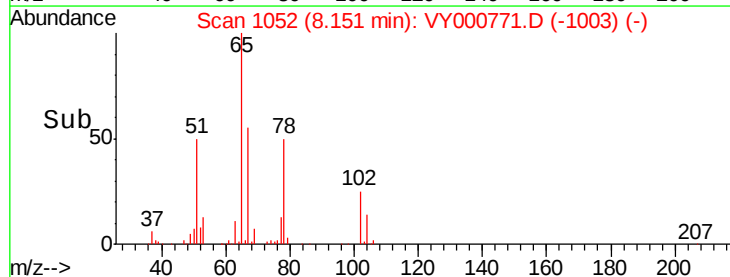
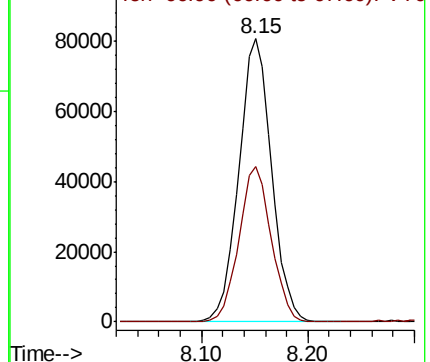
Ion Ratio Lower Upper

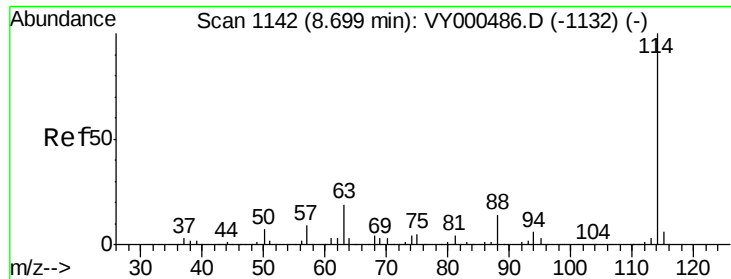
65 100

67 54.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0  
Ion 66.90 (66.60 to 67.60): VY0

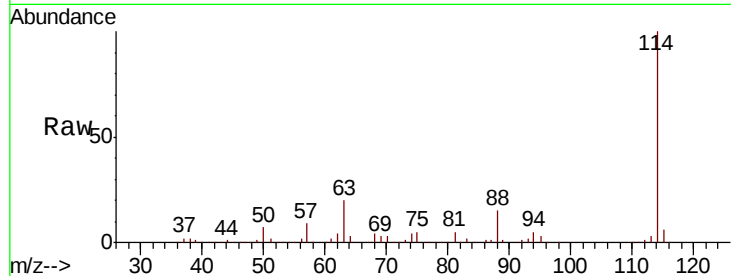




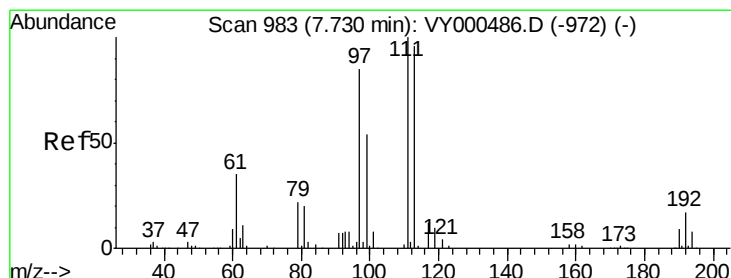
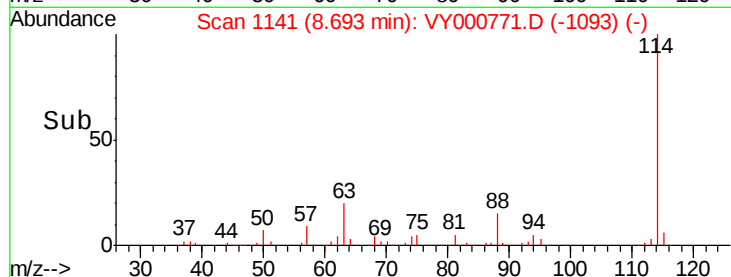
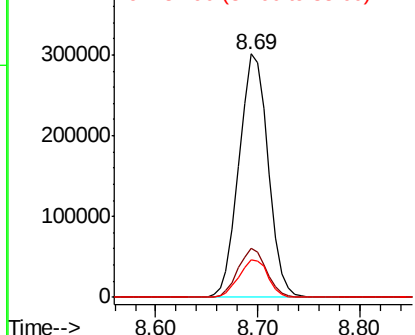
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.01 min  
 Lab File: VY000771.D  
 Acq: 21 Nov 2019 16:26

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tot Ion:114 Resp: 597482  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 38.0  
 88 15.4 0.0 28.6

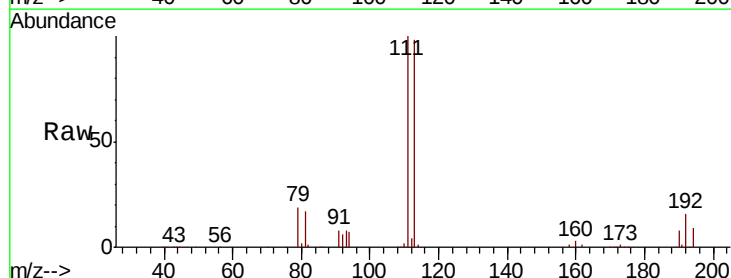


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

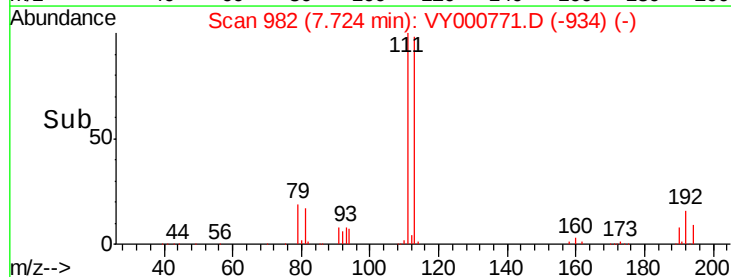
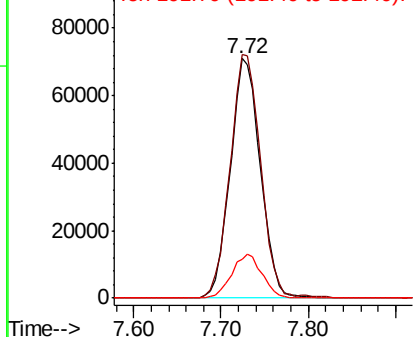


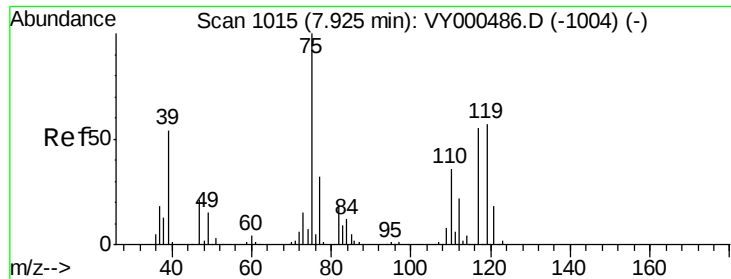
#35  
 Dibromofluoromethane  
 Concen: 48.278 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.01 min  
 Lab File: VY000771.D  
 Acq: 21 Nov 2019 16:26

Tgt Ion:113 Resp: 169339  
 Ion Ratio Lower Upper  
 113 100  
 111 103.3 81.7 122.5  
 192 18.5 15.0 22.4



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

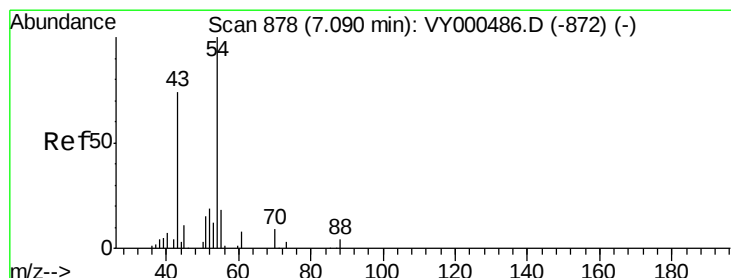
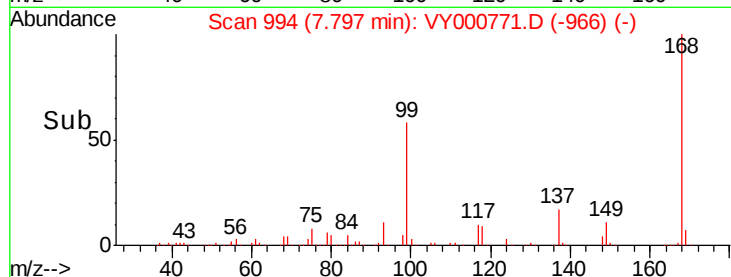
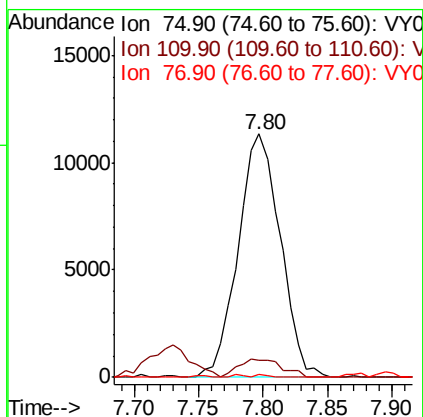
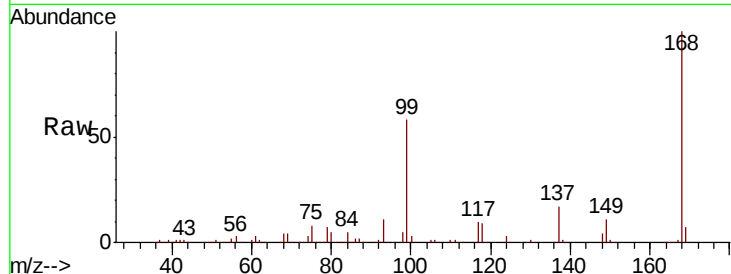




#36  
 1,1-Dichloropropene  
 Concen: 4.541 ug/l  
 RT: 7.80 min Scan# 994  
 Delta R.T. -0.13 min  
 Lab File: VY000771.D  
 Acq: 21 Nov 2019 16:26

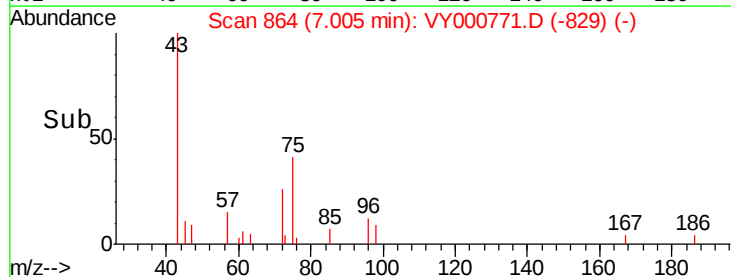
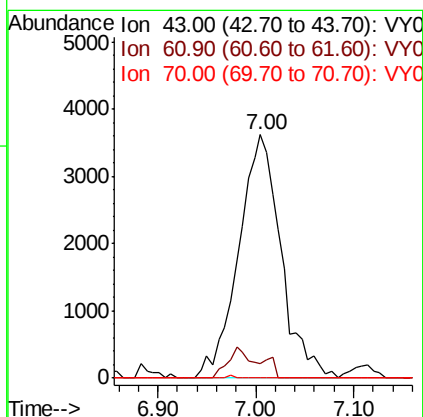
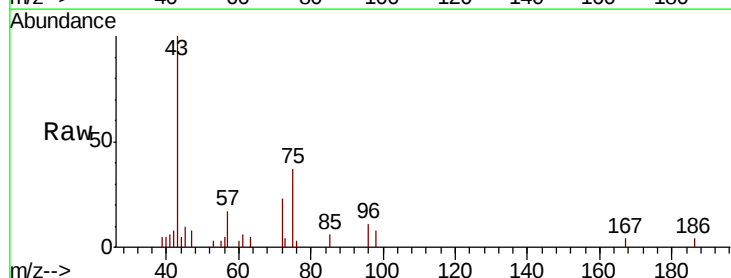
Instrument :  
 MSVOA\_Y  
 ClientSampled :

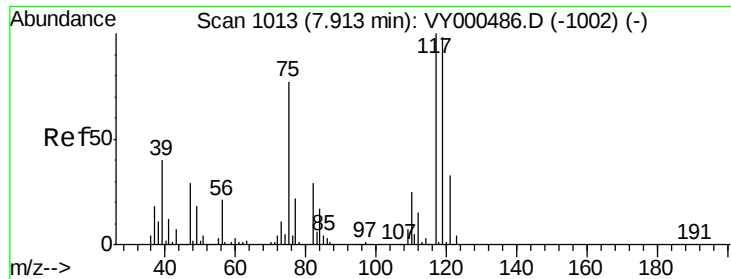
| Tot Ion   | 75    | Resp  | 25650 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 7.8   | 18.1  | 54.1# |
| 77        | 0.0   | 25.0  | 37.6# |



#37  
 Ethyl Acetate  
 Concen: 3.245 ug/l  
 RT: 7.00 min Scan# 864  
 Delta R.T. -0.09 min  
 Lab File: VY000771.D  
 Acq: 21 Nov 2019 16:26

| Tgt Ion   | 43    | Resp  | 10881 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 0.0   | 10.2  | 15.2# |
| 70        | 0.0   | 7.8   | 11.8# |





#38

Carbon Tetrachloride

Concen: 5.681 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Instrument :

MSVOA\_Y

ClientSampleId :

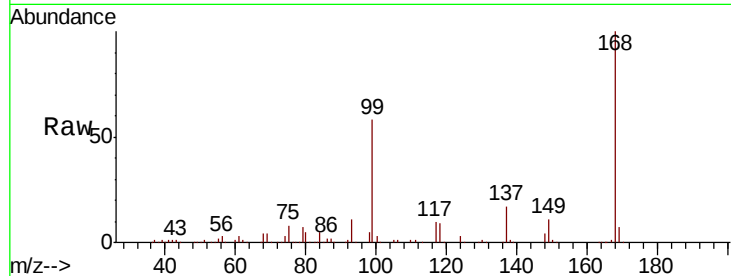
Tot Ion:117 Resp: 30874

Ion Ratio Lower Upper

117 100

119 3.2 78.0 117.0#

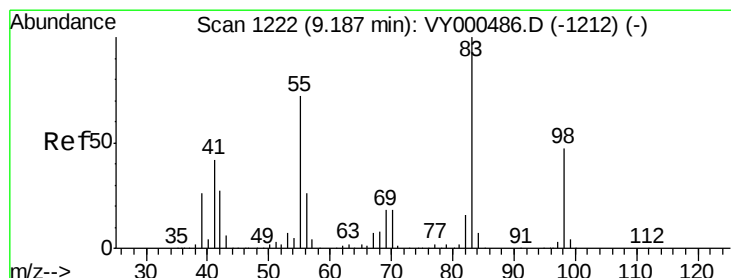
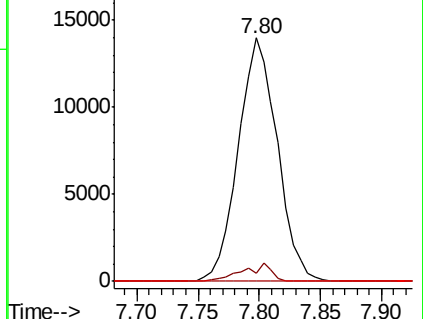
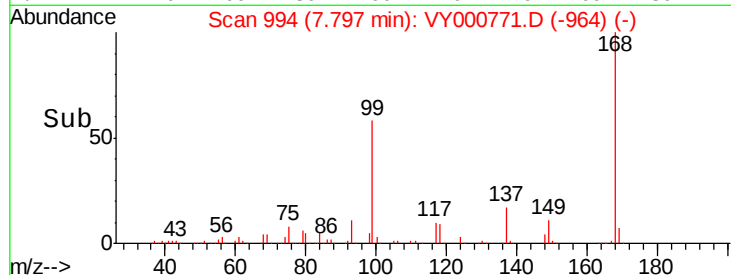
121 0.0 26.6 40.0#



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



#39

Methylcyclohexane

Concen: 6.795 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

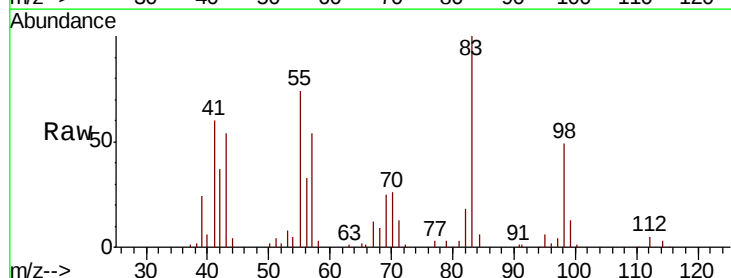
Tgt Ion: 83 Resp: 49582

Ion Ratio Lower Upper

83 100

55 74.0 57.5 86.3

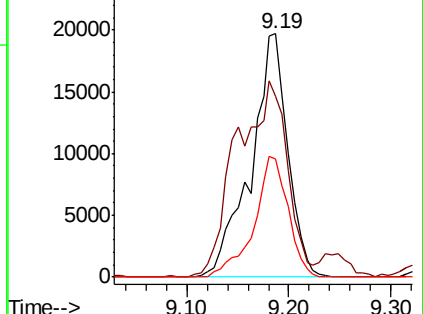
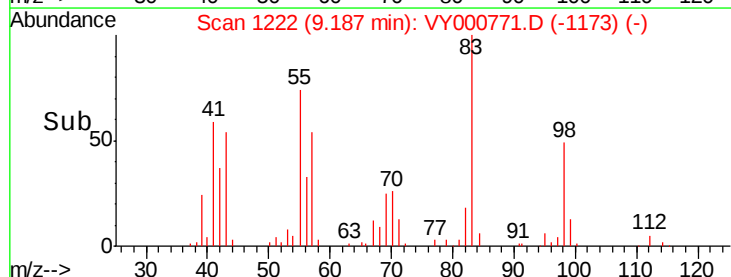
98 48.8 38.0 57.0

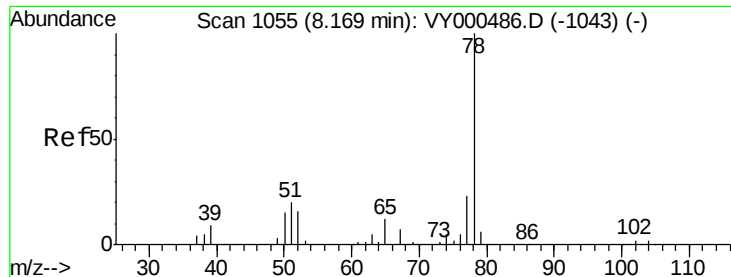


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

Benzene

Concen: 10.482 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Instrument :

MSVOA\_Y

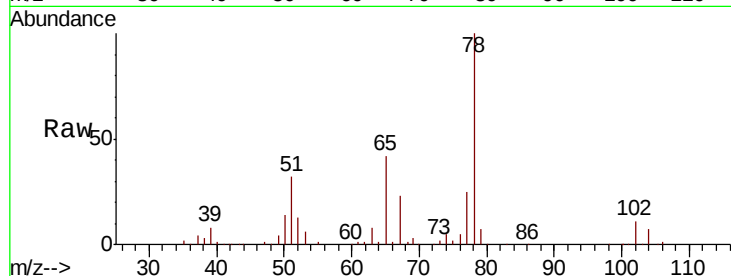
ClientSampleId :

Tot Ion: 78 Resp: 173583

Ion Ratio Lower Upper

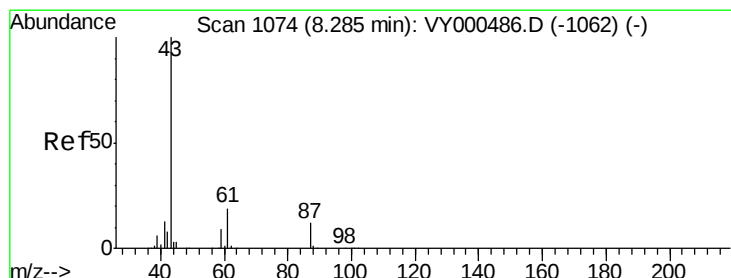
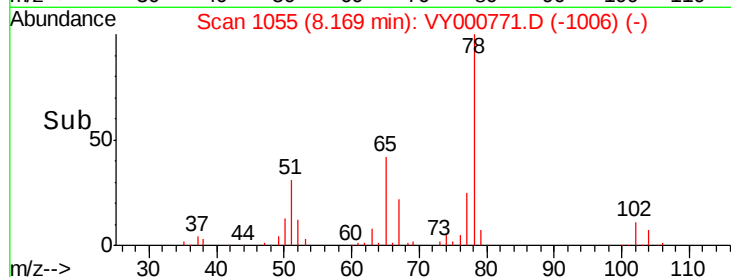
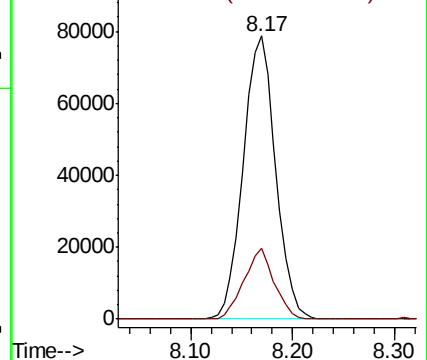
78 100

77 25.0 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#43

Isopropyl Acetate

Concen: 3.421 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. -0.02 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

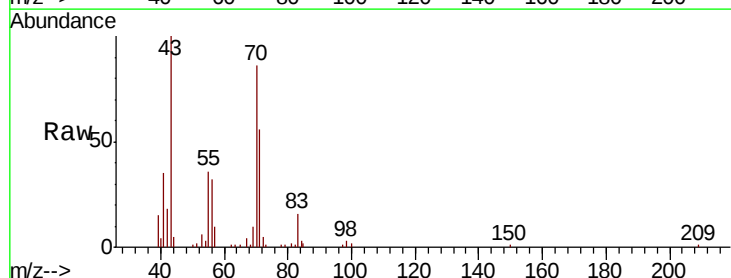
Tgt Ion: 43 Resp: 21552

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.4#

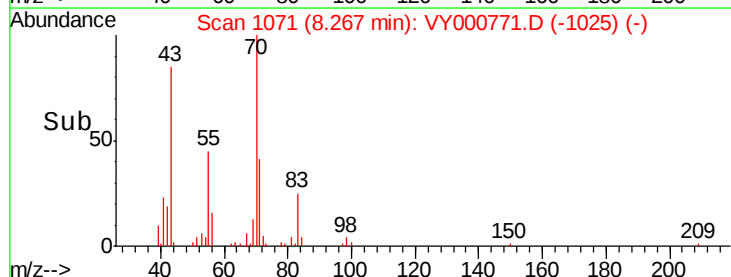
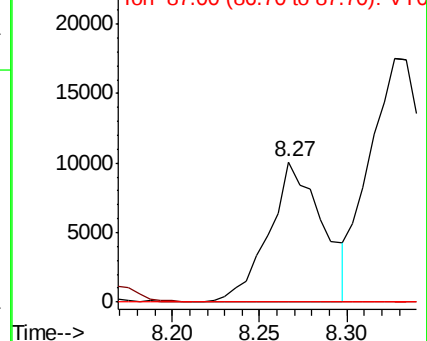
87 0.0 10.5 15.7#

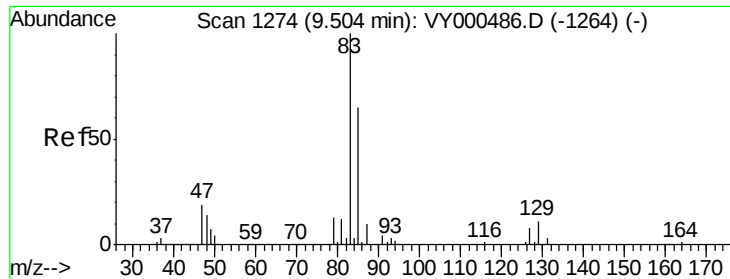


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0





#47

Bromodichloromethane

Concen: 1.325 ug/l

RT: 9.48 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Instrument :

MSVOA\_Y

ClientSampleId :

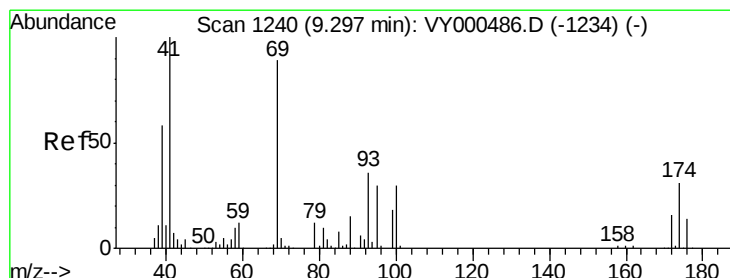
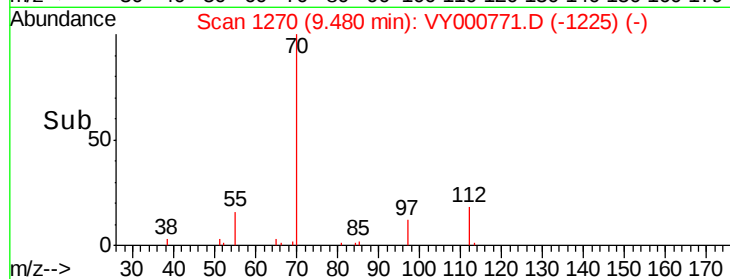
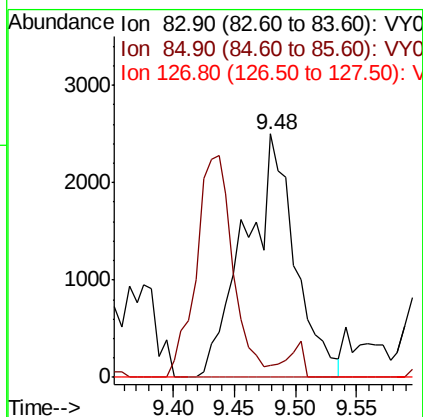
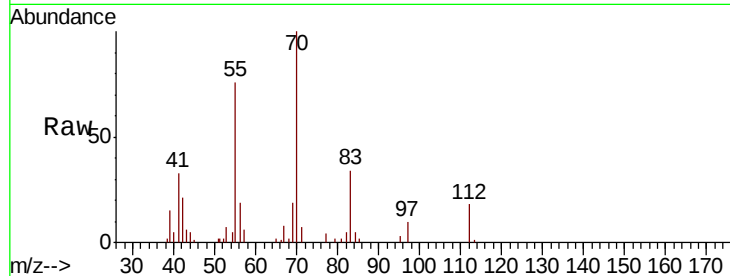
Tot Ion: 83 Resp: 7047

Ion Ratio Lower Upper

83 100

85 4.9 51.8 77.8#

127 0.0 6.7 10.1#



#48

Methyl methacrylate

Concen: 1.531 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

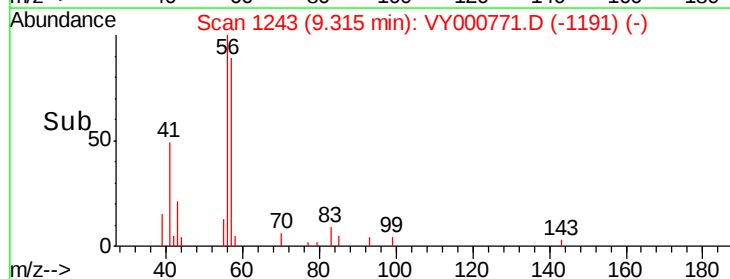
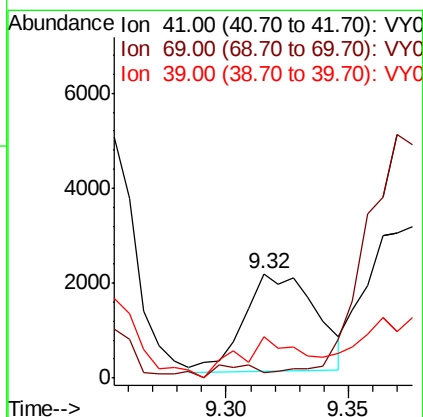
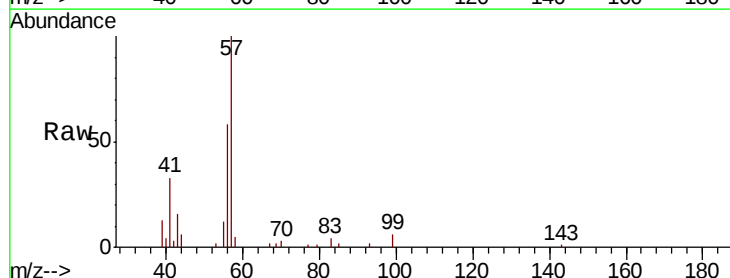
Tgt Ion: 41 Resp: 4213

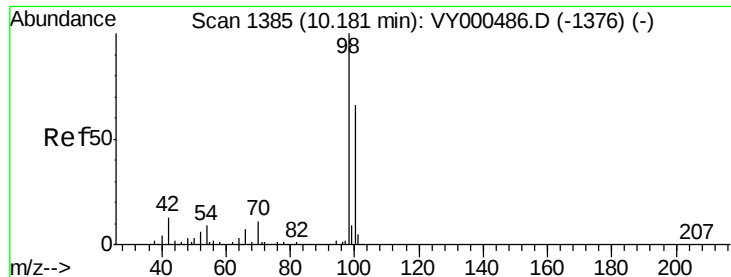
Ion Ratio Lower Upper

41 100

69 0.0 72.5 108.7#

39 37.8 47.8 71.8#





#50

Toluene-d8

Concen: 52.292 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Instrument :

MSVOA\_Y

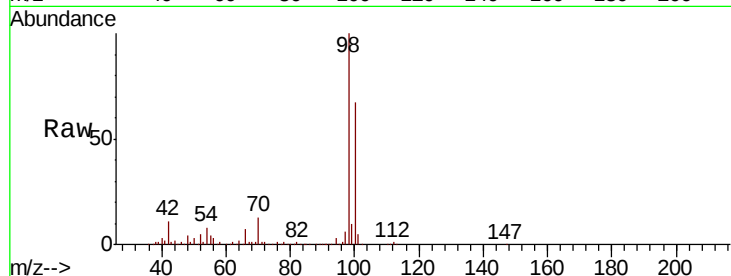
ClientSampleId :

Tot Ion: 98 Resp: 695983

Ion Ratio Lower Upper

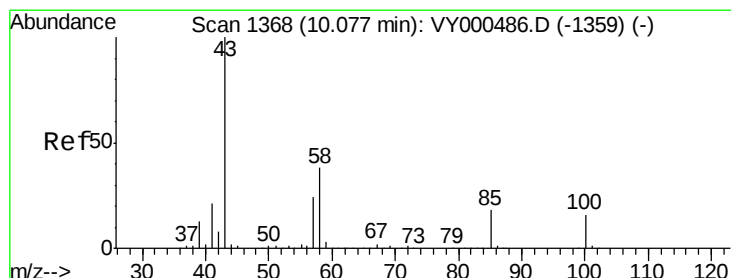
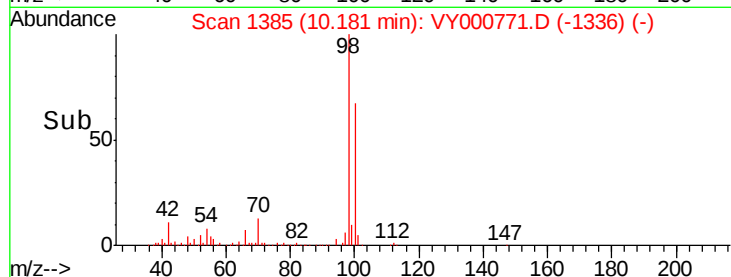
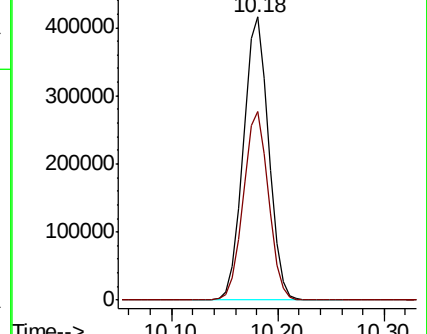
98 100

100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 1.521 ug/l

RT: 10.11 min Scan# 1373

Delta R.T. 0.03 min

Lab File: VY000771.D

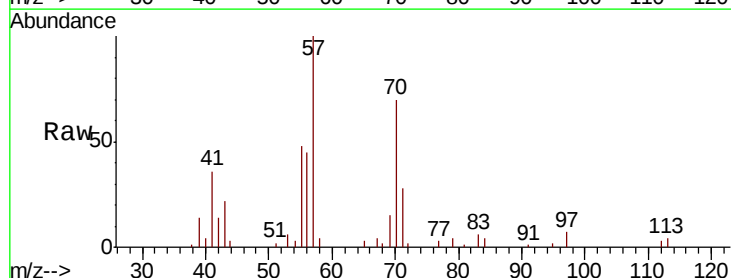
Acq: 21 Nov 2019 16:26

Tgt Ion: 43 Resp: 5095

Ion Ratio Lower Upper

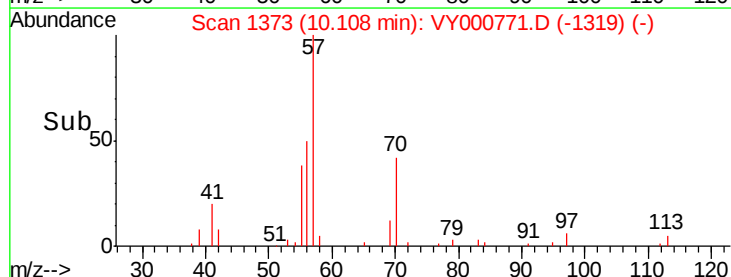
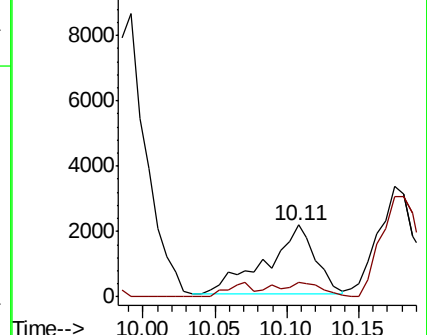
43 100

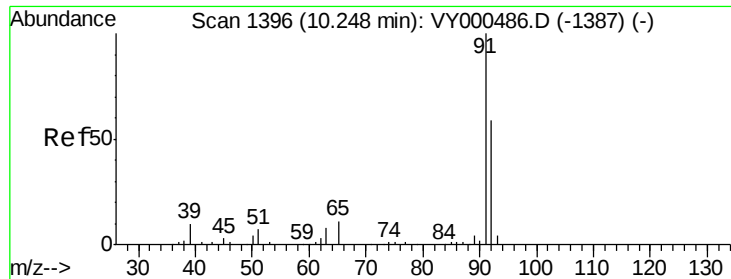
58 18.2 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#52

Toluene

Concen: 3.198 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Instrument :

MSVOA\_Y

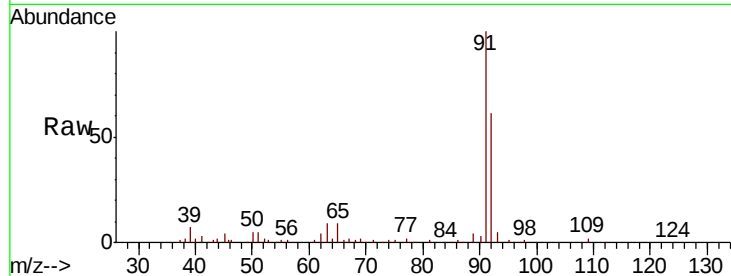
ClientSampleId :

Tot Ion: 92 Resp: 33484

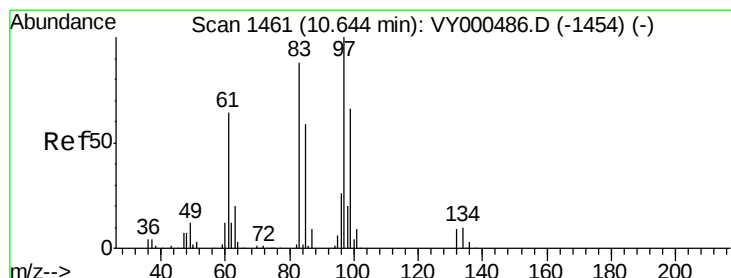
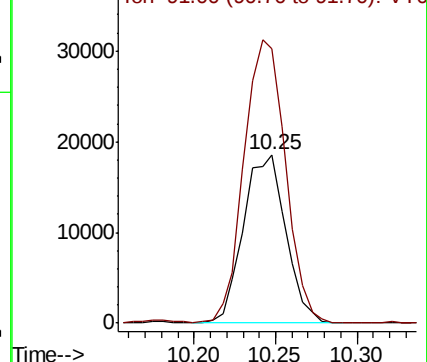
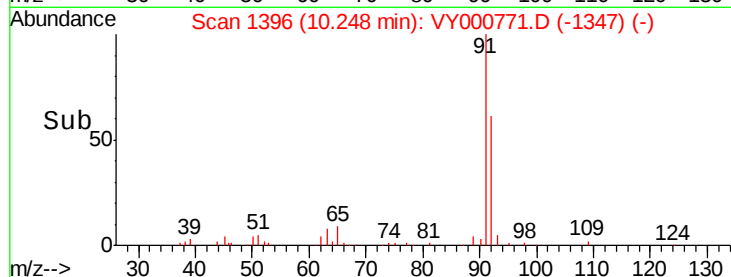
Ion Ratio Lower Upper

92 100

91 165.2 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VY000771.D (-1347) (-)



#55

1,1,2-Trichloroethane

Concen: 10.034 ug/l

RT: 10.62 min Scan# 1457

Delta R.T. -0.02 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Tgt Ion: 97 Resp: 32529

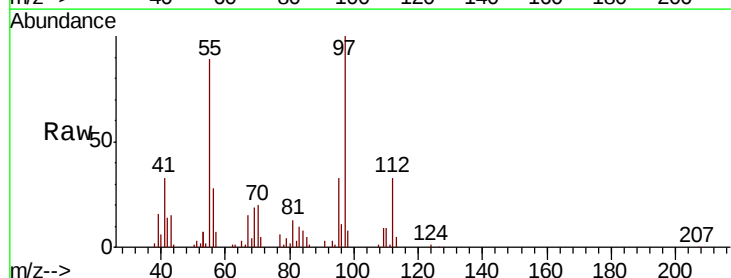
Ion Ratio Lower Upper

97 100

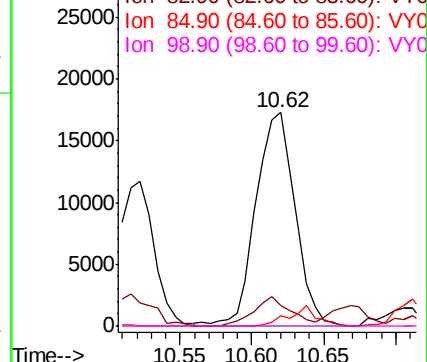
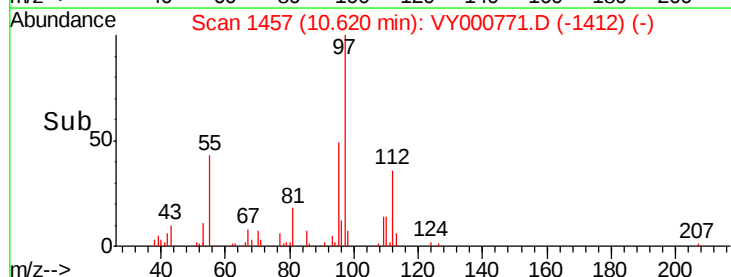
83 9.7 70.2 105.4#

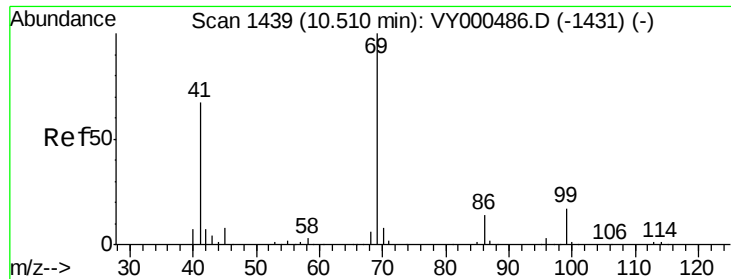
85 4.9 46.9 70.3#

99 0.0 52.6 78.8#



Abundance Ion 96.90 (96.60 to 97.60): VY000771.D (-1412) (-)





#56

Ethyl methacrylate

Concen: 1.262 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Instrument :

MSVOA\_Y

ClientSampled :

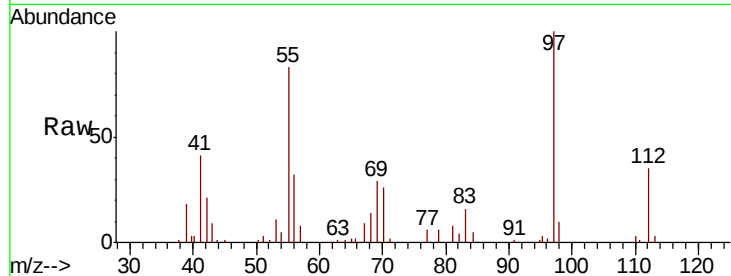
Tot Ion: 69 Resp: 5801

Ion Ratio Lower Upper

69 100

41 137.4 53.3 79.9#

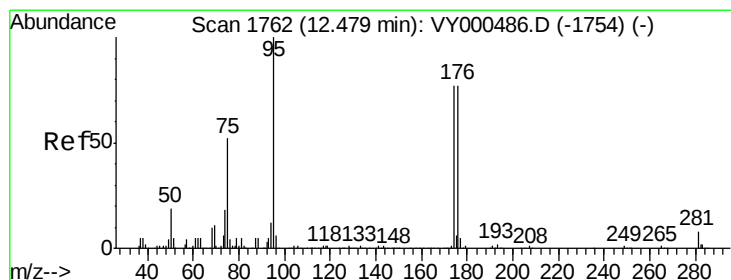
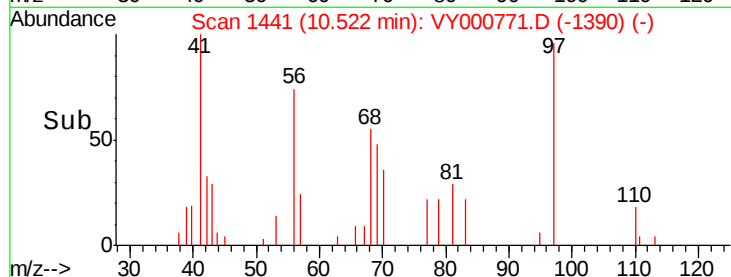
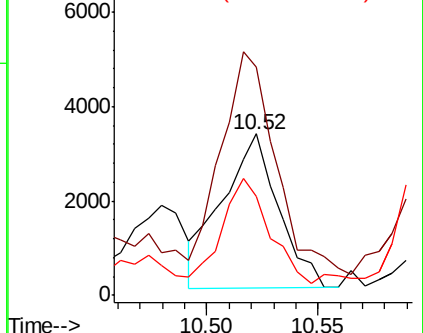
39 56.1 28.0 42.0#



Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0



#62

4-Bromofluorobenzene

Concen: 39.263 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

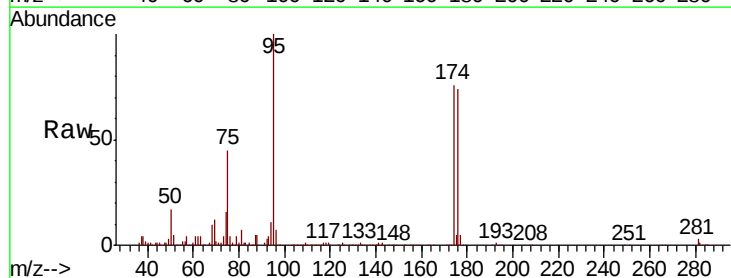
Tgt Ion: 95 Resp: 198938

Ion Ratio Lower Upper

95 100

174 75.1 0.0 161.6

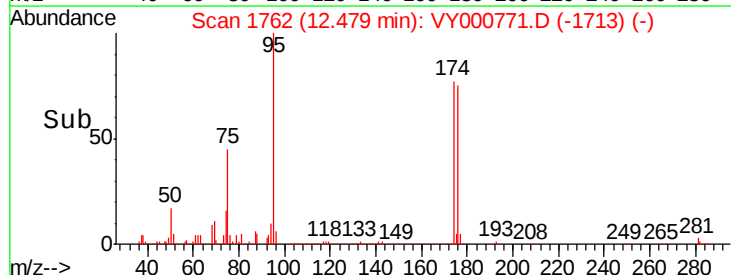
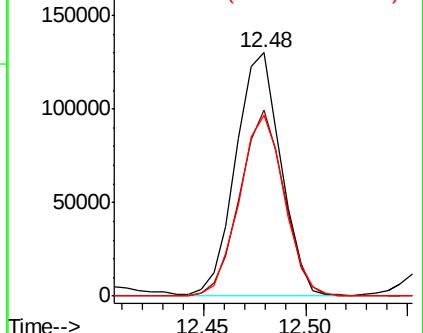
176 74.5 0.0 157.8

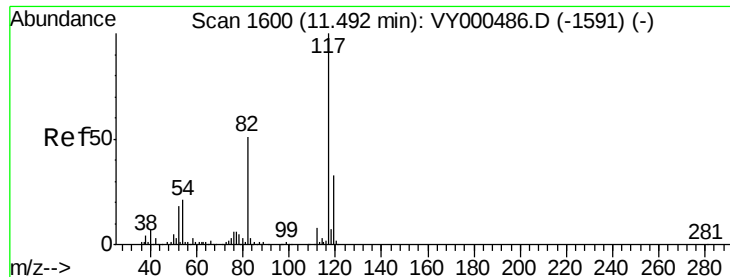


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

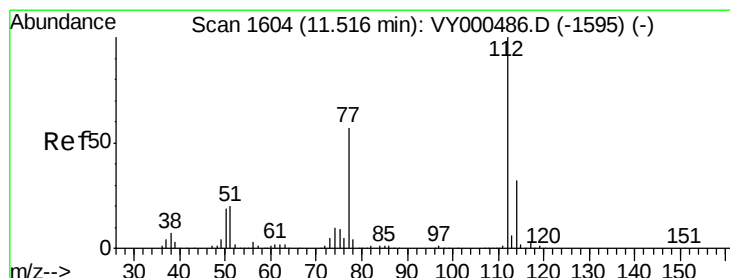
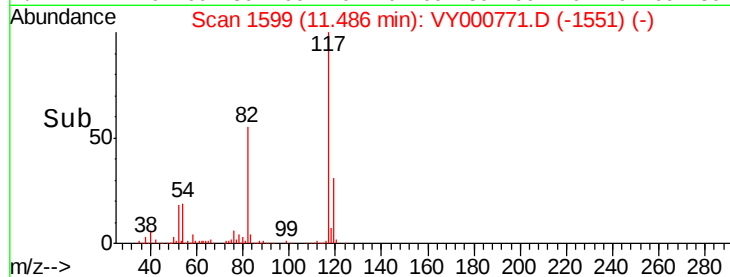
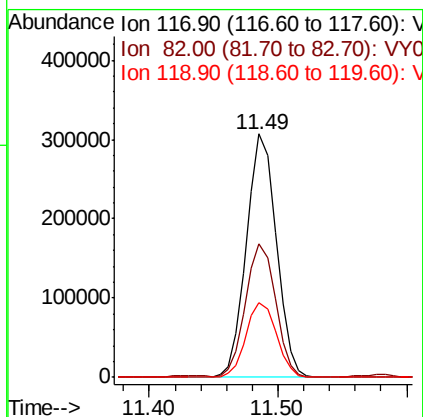
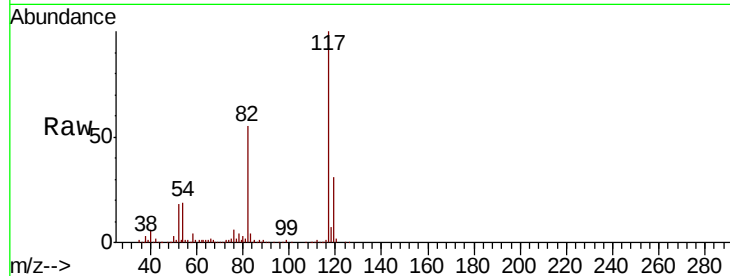




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY000771.D  
Acq: 21 Nov 2019 16:26

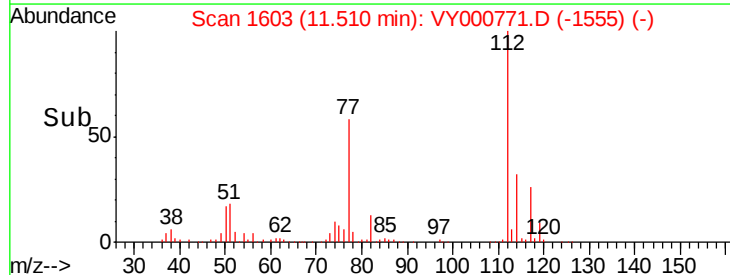
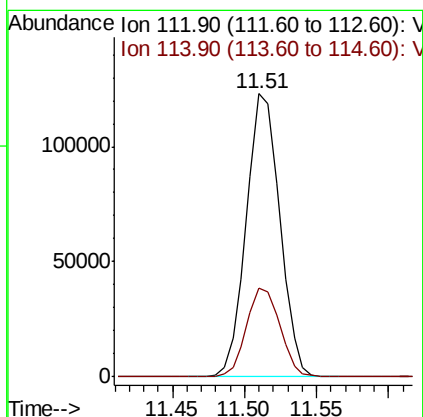
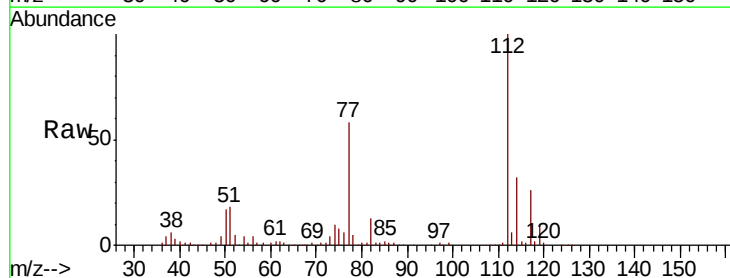
Instrument :  
MSVOA\_Y  
ClientSampleId :

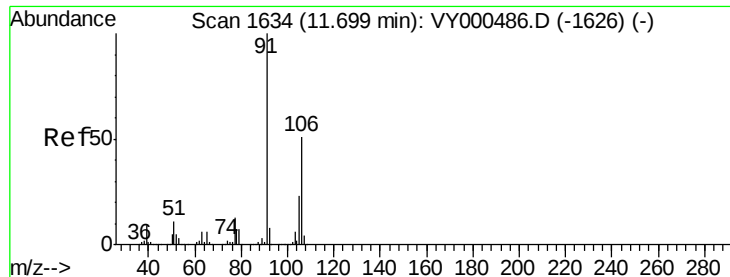
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.9  | 40.8  | 61.2  |
| 119     | 30.5  | 26.2  | 39.2  |



#65  
Chlorobenzene  
Concen: 19.896 ug/l  
RT: 11.51 min Scan# 1603  
Delta R.T. -0.01 min  
Lab File: VY000771.D  
Acq: 21 Nov 2019 16:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.6  | 25.3  | 37.9  |

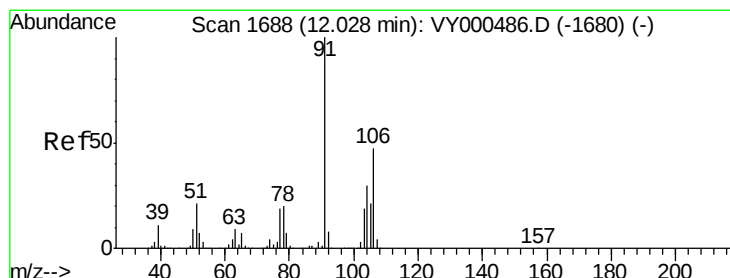
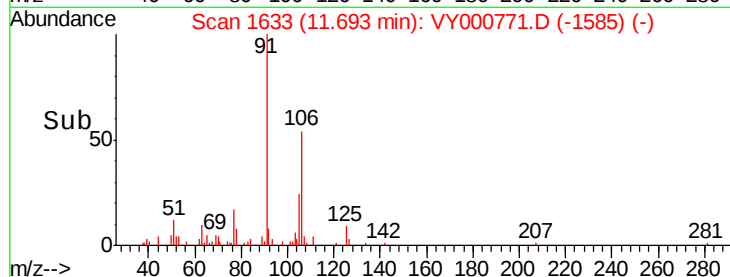
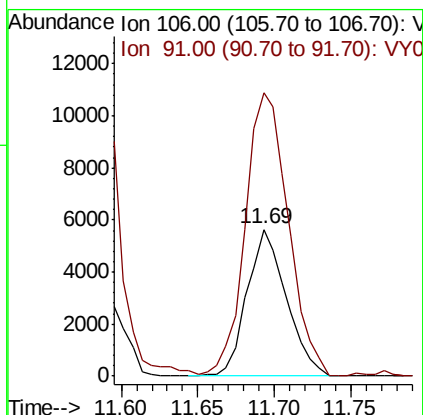
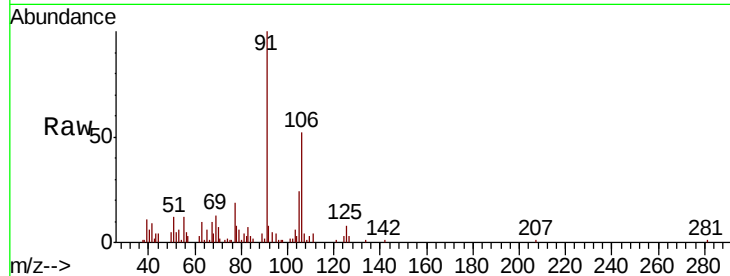




#68  
m/p-Xylenes  
Concen: 1.414 ug/l  
RT: 11.69 min Scan# 1633  
Delta R.T. -0.01 min  
Lab File: VY000771.D  
Acq: 21 Nov 2019 16:26

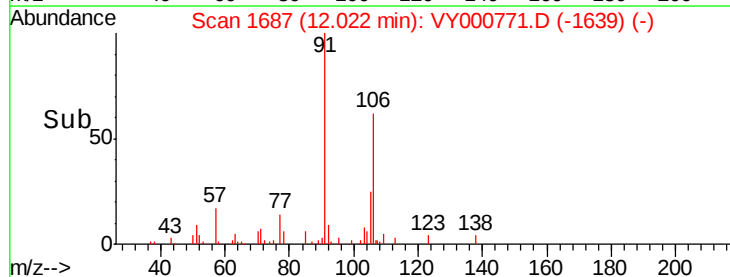
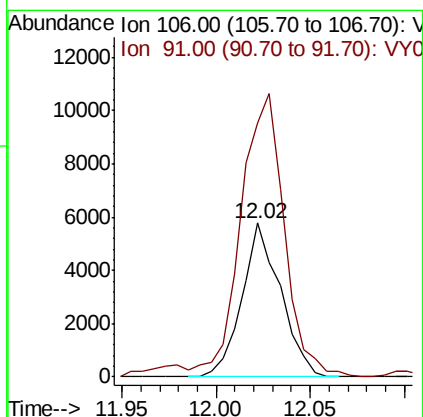
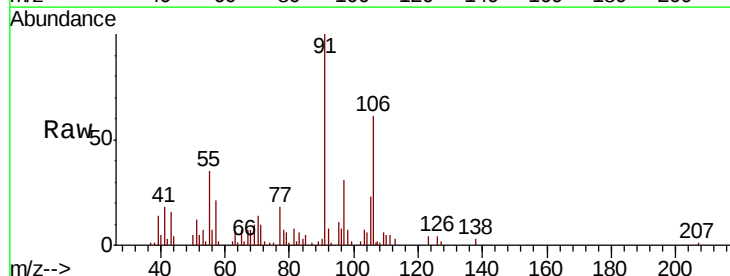
Instrument :  
MSVOA\_Y  
ClientSampleId :

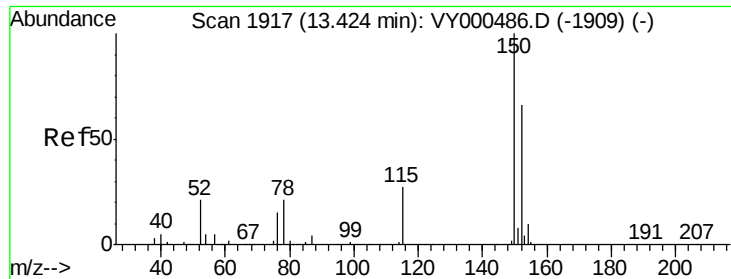
Tot Ion:106 Resp: 10049  
Ion Ratio Lower Upper  
106 100  
91 211.4 155.9 233.9



#69  
o-Xylene  
Concen: 1.223 ug/l  
RT: 12.02 min Scan# 1687  
Delta R.T. -0.01 min  
Lab File: VY000771.D  
Acq: 21 Nov 2019 16:26

Tgt Ion:106 Resp: 8166  
Ion Ratio Lower Upper  
106 100  
91 208.2 106.5 319.6



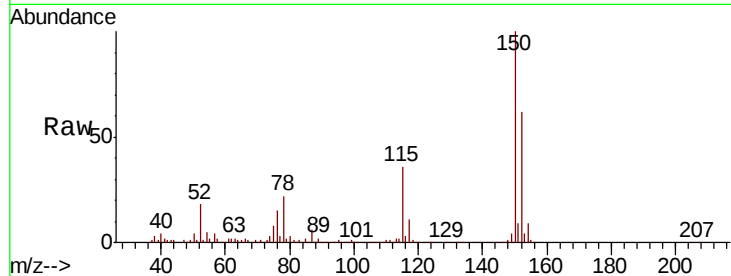


#72

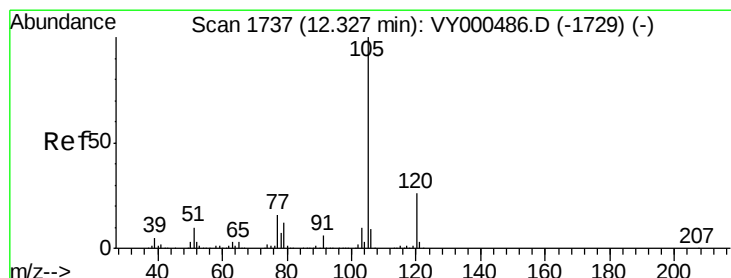
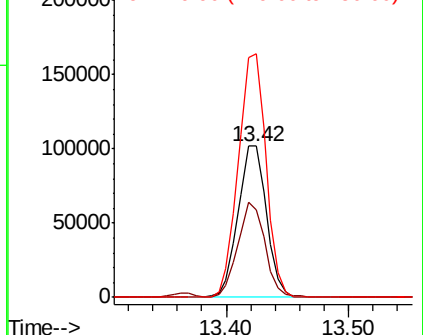
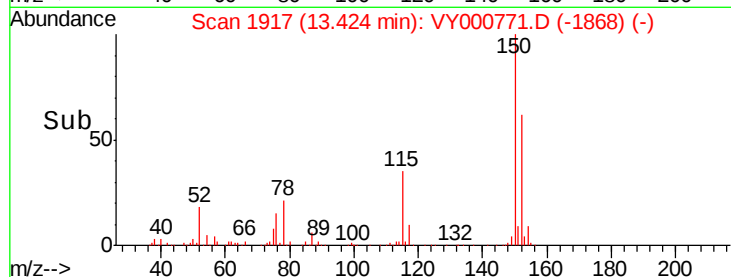
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY000771.D  
Acq: 21 Nov 2019 16:26

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tot Ion:152 Resp: 164160  
Ion Ratio Lower Upper  
152 100  
115 60.1 29.1 87.4  
150 156.5 0.0 348.8



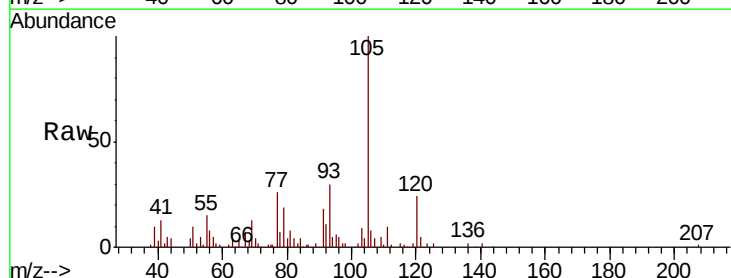
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



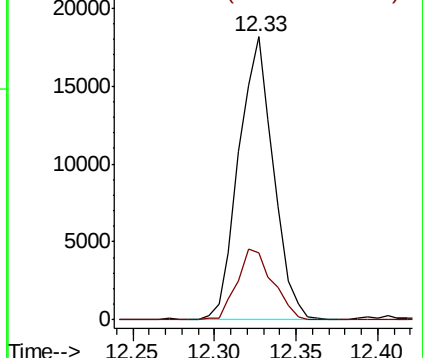
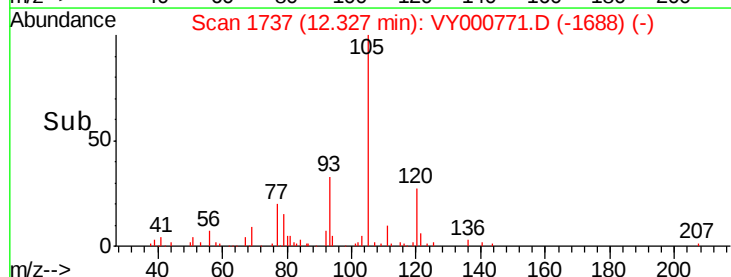
#73

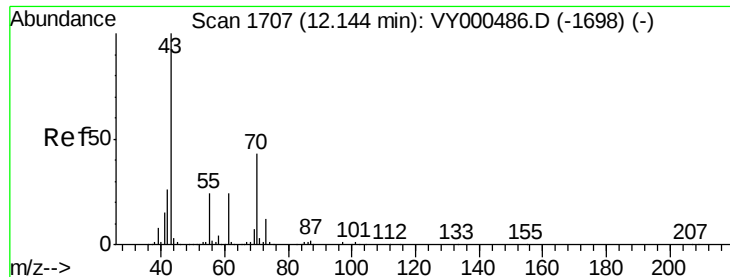
Isopropylbenzene  
Concen: 2.213 ug/l  
RT: 12.33 min Scan# 1737  
Delta R.T. 0.00 min  
Lab File: VY000771.D  
Acq: 21 Nov 2019 16:26

Tgt Ion:105 Resp: 26846  
Ion Ratio Lower Upper  
105 100  
120 25.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.931 ug/l

RT: 12.12 min Scan# 1703

Delta R.T. -0.02 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Instrument :

MSVOA\_Y

ClientSampleId :

Tot Ion: 43 Resp: 10183

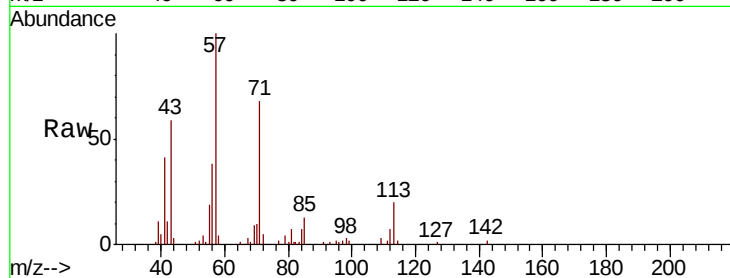
Ion Ratio Lower Upper

43 100

70 0.0 33.1 49.7#

55 11.8 18.0 27.0#

61 0.0 19.1 28.7#



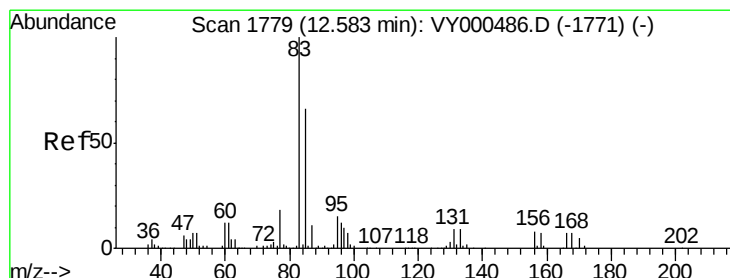
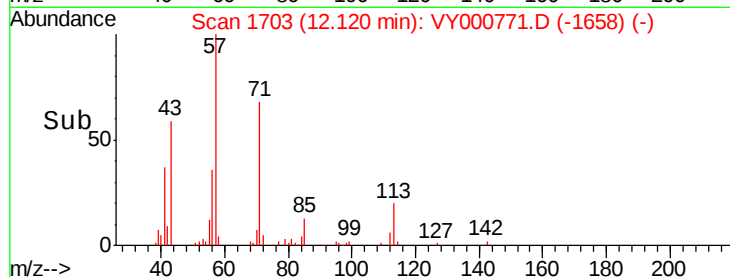
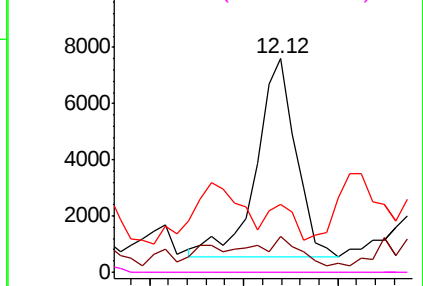
Abundance

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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.991 ug/l

RT: 12.56 min Scan# 1776

Delta R.T. -0.02 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

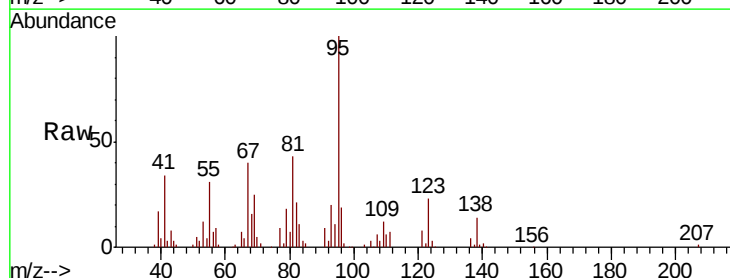
Tgt Ion: 83 Resp: 4784

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 25.1 32.3 96.9#

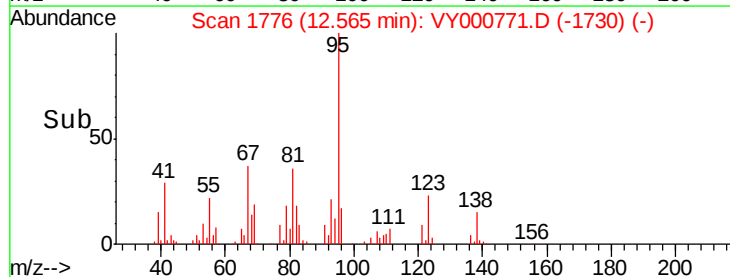
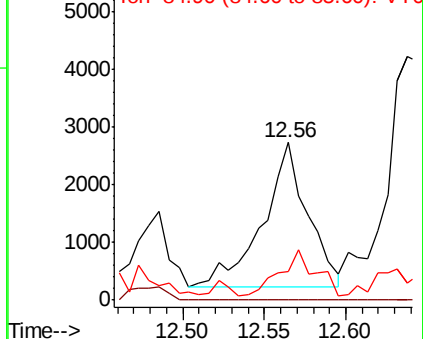


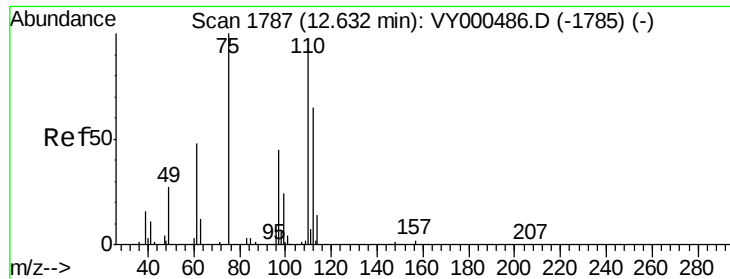
Abundance

Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VY0



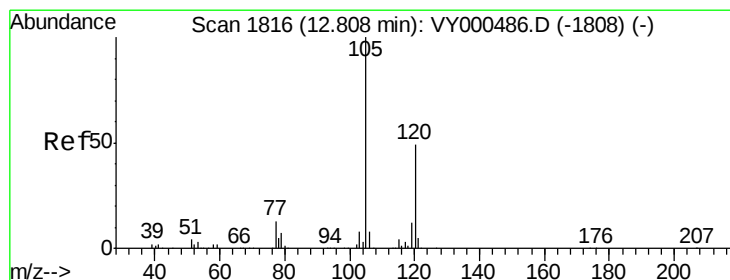
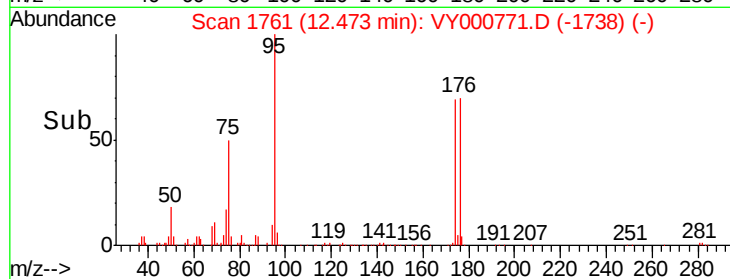
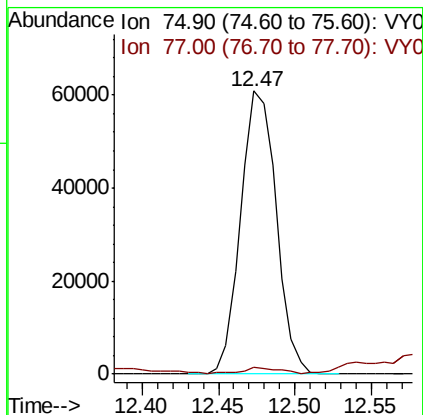
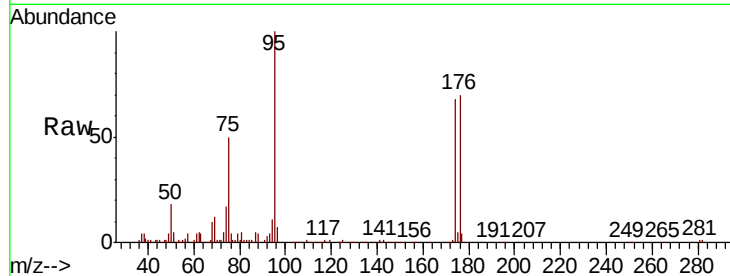


#76

1,2,3-Trichloropropane  
Concen: 52.839 ug/l  
RT: 12.47 min Scan# 1761  
Delta R.T. -0.16 min  
Lab File: VY000771.D  
Acq: 21 Nov 2019 16:26

Instrument :  
MSVOA\_Y  
ClientSampleId :

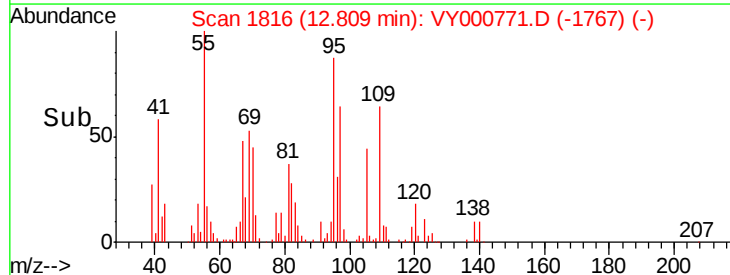
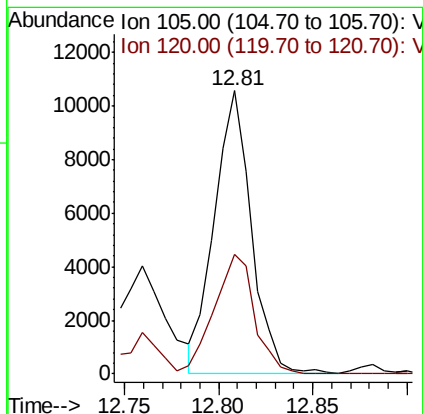
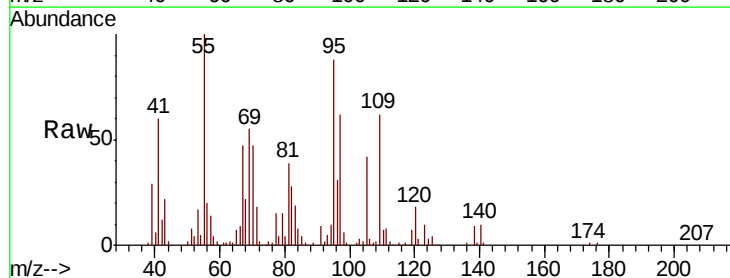
Tot Ion: 75 Resp: 98766  
Ion Ratio Lower Upper  
75 100  
77 2.1 0.0 0.0#

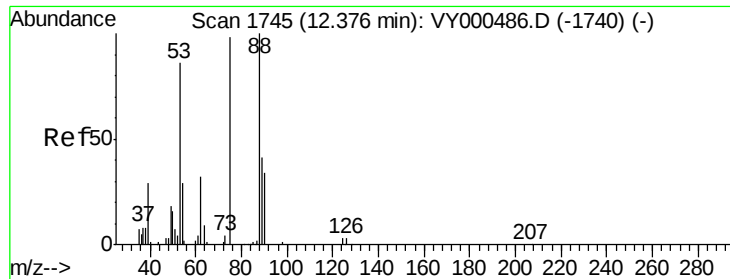


#80

1,3,5-Trimethylbenzene  
Concen: 1.427 ug/l  
RT: 12.81 min Scan# 1816  
Delta R.T. 0.00 min  
Lab File: VY000771.D  
Acq: 21 Nov 2019 16:26

Tgt Ion:105 Resp: 14420  
Ion Ratio Lower Upper  
105 100  
120 46.1 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 118.472 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. 0.10 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Instrument :

MSVOA\_Y

ClientSampleId :

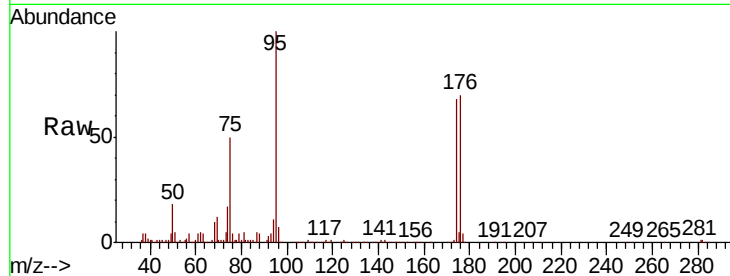
Tot Ion: 75 Resp: 98766

Ion Ratio Lower Upper

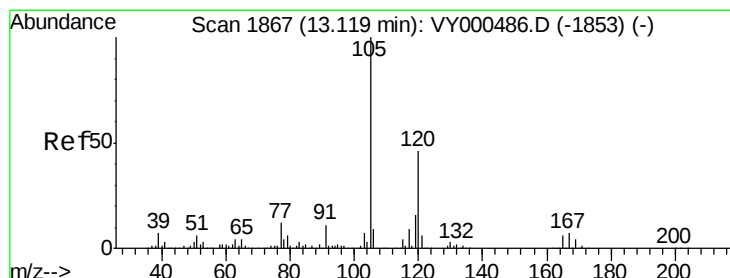
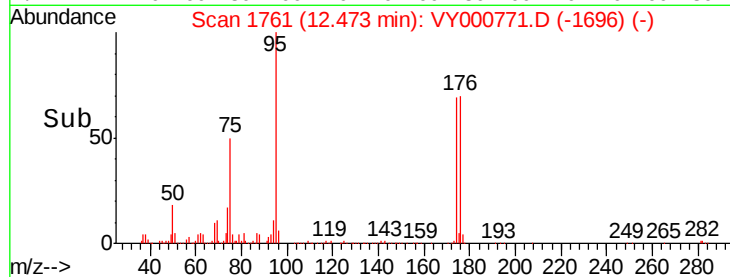
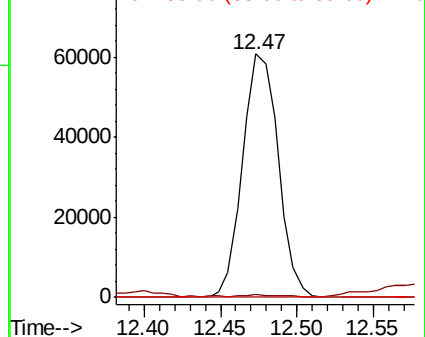
75 100

53 0.9 73.2 109.8#

89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0  
Ion 53.00 (52.70 to 53.70): VY0  
Ion 88.90 (88.60 to 89.60): VY0



#84

1,2,4-Trimethylbenzene

Concen: 5.334 ug/l

RT: 13.11 min Scan# 1866

Delta R.T. -0.01 min

Lab File: VY000771.D

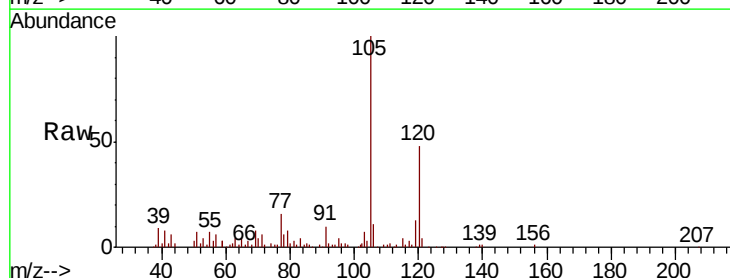
Acq: 21 Nov 2019 16:26

Tgt Ion: 105 Resp: 53666

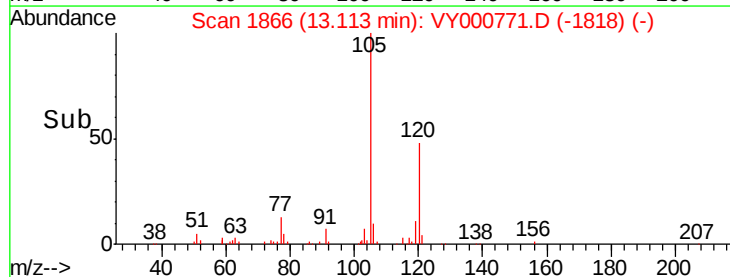
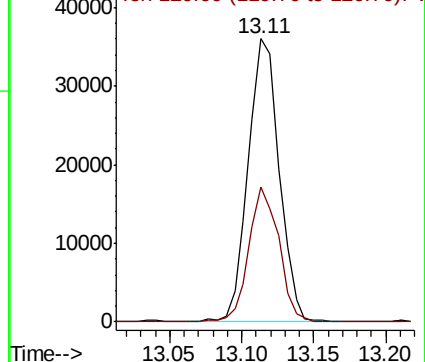
Ion Ratio Lower Upper

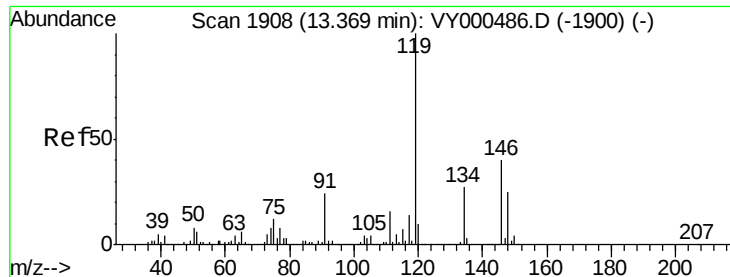
105 100

120 45.9 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V

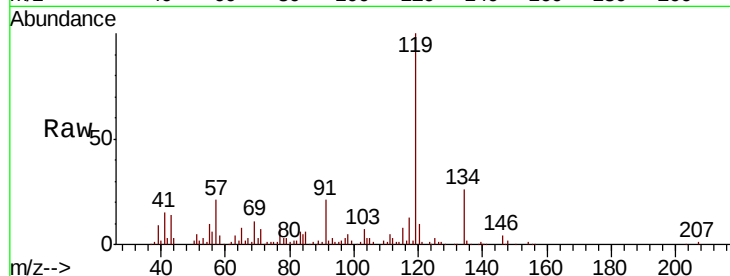




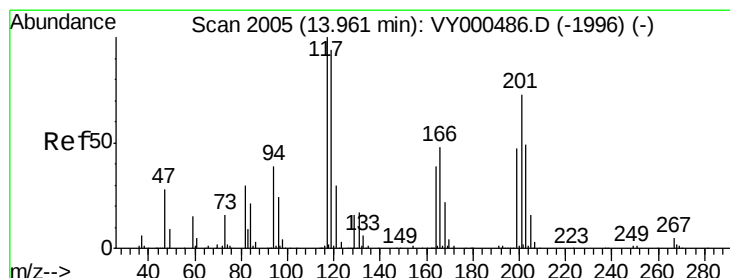
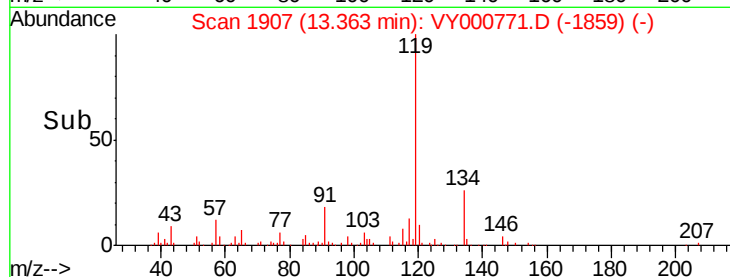
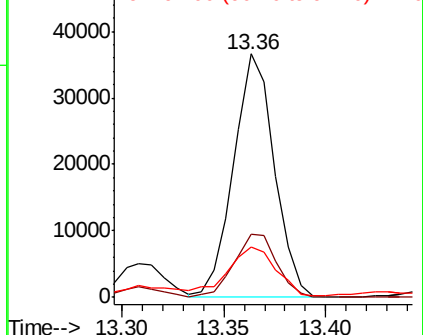
#86  
p-Isopropyltoluene  
Concen: 4.638 ug/l  
RT: 13.36 min Scan# 1907  
Delta R.T. -0.01 min  
Lab File: VY000771.D  
Acq: 21 Nov 2019 16:26

Instrument :  
MSVOA\_Y  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.2  | 13.6  | 40.8  |
| 91      | 22.6  | 12.0  | 36.1  |

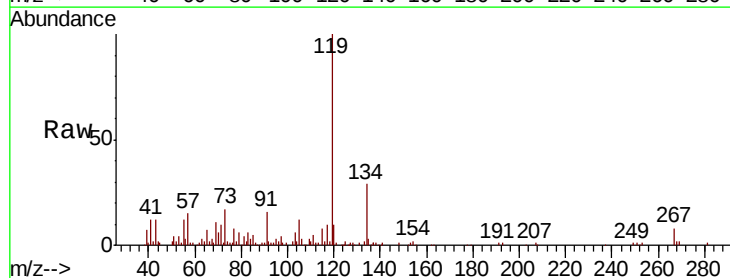


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 134.00 (133.70 to 134.70): V  
Ion 91.00 (90.70 to 91.70): V

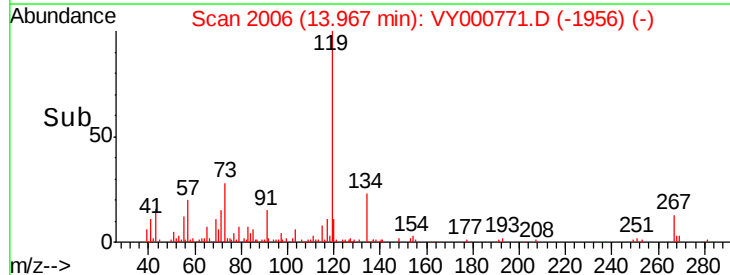
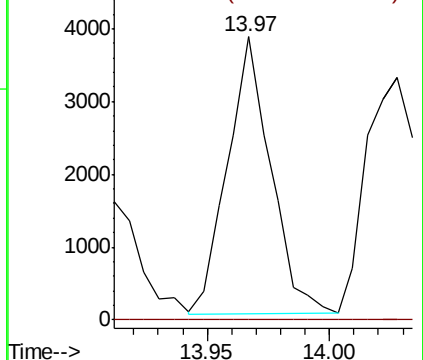


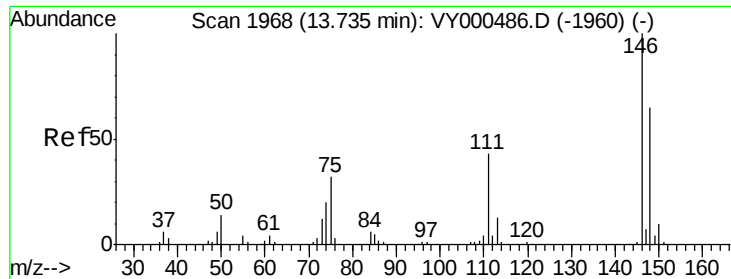
#90  
Hexachloroethane  
Concen: 2.303 ug/l  
RT: 13.97 min Scan# 2006  
Delta R.T. 0.01 min  
Lab File: VY000771.D  
Acq: 21 Nov 2019 16:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 0.0   | 35.8  | 107.3 |



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 4.768 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

Instrument :

MSVOA\_Y

ClientSampled :

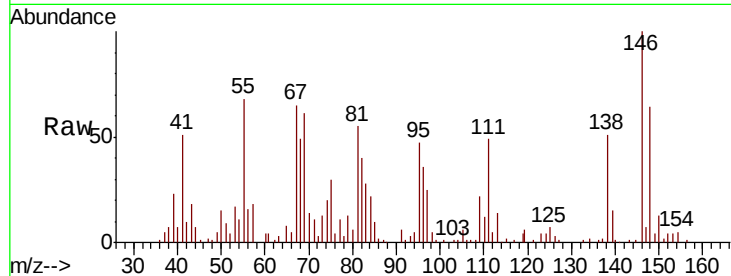
Tot Ion:146 Resp: 23311

Ion Ratio Lower Upper

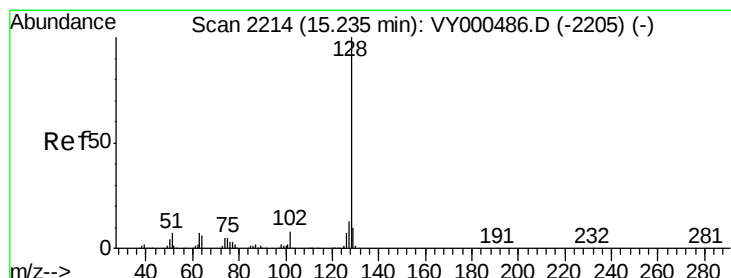
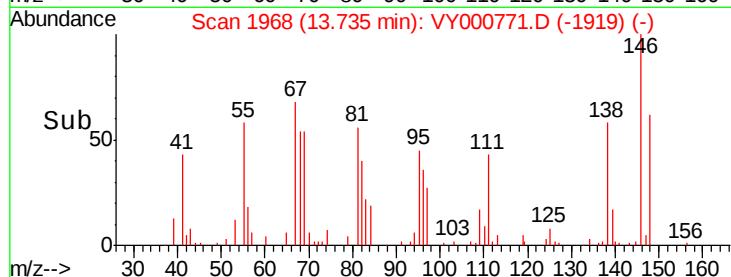
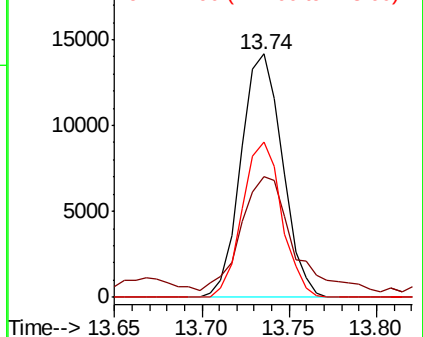
146 100

111 60.3 20.5 61.5

148 60.5 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 4.092 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000771.D

Acq: 21 Nov 2019 16:26

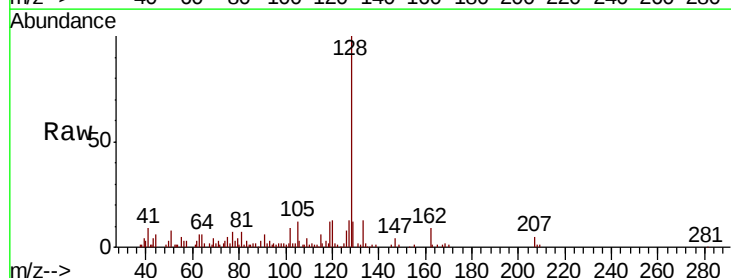
Tgt Ion:128 Resp: 30243

Ion Ratio Lower Upper

128 100

127 16.1 9.8 14.6#

129 13.5 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

