

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060520\  
 Data File : VY002848.D  
 Acq On : 05 Jun 2020 15:02  
 Operator : SY/MD  
 Sample : L2930-02  
 Misc : 6.35G/5ML/MSVOA Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S39-HSVE3-IDW01

Quant Time: Jun 06 07:57:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y052720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 13:13:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 277633   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 450083   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 420862   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 213601   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.14   | 65  | 134584   | 55.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.66% |      |
| 35) Dibromofluoromethane  | 7.72   | 113 | 136290   | 51.67 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.34% |      |
| 50) Toluene-d8            | 10.18  | 98  | 535937   | 50.25 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.50% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 181518   | 49.80 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.60%  |      |

## Target Compounds

|                                |       |     |        |           |        | Qvalue |
|--------------------------------|-------|-----|--------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.96  | 59  | 433    | Below Cal | #      | 74     |
| 16) Acetone                    | 3.96  | 43  | 350629 | 620.295   | ug/l   | 99     |
| 20) Methylene Chloride         | 4.72  | 84  | 6347   | 2.298     | ug/l   | 96     |
| 22) Diisopropyl ether          | 6.21  | 45  | 7353   | 1.045     | ug/l # | 1      |
| 23) Vinyl Acetate              | 6.21  | 43  | 16032  | 3.450     | ug/l # | 68     |
| 25) 2-Butanone                 | 6.99  | 43  | 293684 | 333.475   | ug/l   | 98     |
| 29) Tetrahydrofuran            | 7.33  | 42  | 4679   | 8.168     | ug/l # | 55     |
| 31) Cyclohexane                | 7.78  | 56  | 23417  | 5.728     | ug/l # | 75     |
| 36) 1,1-Dichloropropene        | 7.80  | 75  | 16627  | 4.385     | ug/l # | 49     |
| 37) Ethyl Acetate              | 6.99  | 43  | 293684 | 142.371   | ug/l # | 67     |
| 38) Carbon Tetrachloride       | 7.80  | 117 | 24634  | 5.849     | ug/l # | 15     |
| 39) Methylcyclohexane          | 9.19  | 83  | 47658  | 9.537     | ug/l # | 85     |
| 40) Benzene                    | 8.16  | 78  | 14337  | 1.280     | ug/l   | 95     |
| 41) Methacrylonitrile          | 7.33  | 41  | 24283  | 21.912    | ug/l # | 24     |
| 43) Isopropyl Acetate          | 8.27  | 43  | 4669   | 1.194     | ug/l # | 50     |
| 48) Methyl methacrylate        | 9.33  | 41  | 3611   | 2.046     | ug/l # | 23     |
| 51) 4-Methyl-2-Pentanone       | 10.11 | 43  | 20639  | 9.971     | ug/l # | 63     |
| 52) Toluene                    | 10.24 | 92  | 179837 | 24.539    | ug/l   | 99     |
| 55) 1,1,2-Trichloroethane      | 10.62 | 97  | 20951  | 8.577     | ug/l # | 27     |
| 56) Ethyl methacrylate         | 10.52 | 69  | 5087   | 1.555     | ug/l # | 14     |
| 59) 2-Hexanone                 | 10.80 | 43  | 27644  | 18.823    | ug/l # | 27     |
| 60) Dibromochloromethane       | 10.72 | 129 | 21568  | 6.964     | ug/l # | 11     |
| 64) Tetrachloroethene          | 10.72 | 164 | 27045  | 7.071     | ug/l   | 97     |
| 67) Ethyl Benzene              | 11.60 | 91  | 243953 | 16.917    | ug/l   | 99     |
| 68) m/p-Xylenes                | 11.70 | 106 | 445245 | 79.633    | ug/l   | 100    |
| 69) o-Xylene                   | 12.03 | 106 | 185592 | 35.161    | ug/l   | 99     |
| 70) Styrene                    | 12.03 | 104 | 9321   | 1.019     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.33 | 105 | 56433  | 4.123     | ug/l   | 100    |
| 74) N-amyl acetate             | 12.12 | 43  | 19816  | 5.642     | ug/l # | 52     |
| 76) 1,2,3-Trichloropropane     | 12.74 | 75  | 5498   | 2.857     | ug/l # | 100    |
| 78) n-propylbenzene            | 12.67 | 91  | 210489 | 13.312    | ug/l   | 100    |
| 79) 2-Chlorotoluene            | 12.74 | 91  | 81557  | 9.195     | ug/l # | 38     |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105 | 326280 | 28.548    | ug/l   | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75  | 85980  | 84.162    | ug/l # | 17     |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
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 S39-HSVE3-IDW01

Quant Time: Jun 06 07:57:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y052720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 13:13:33 2020  
 Response via : Initial Calibration

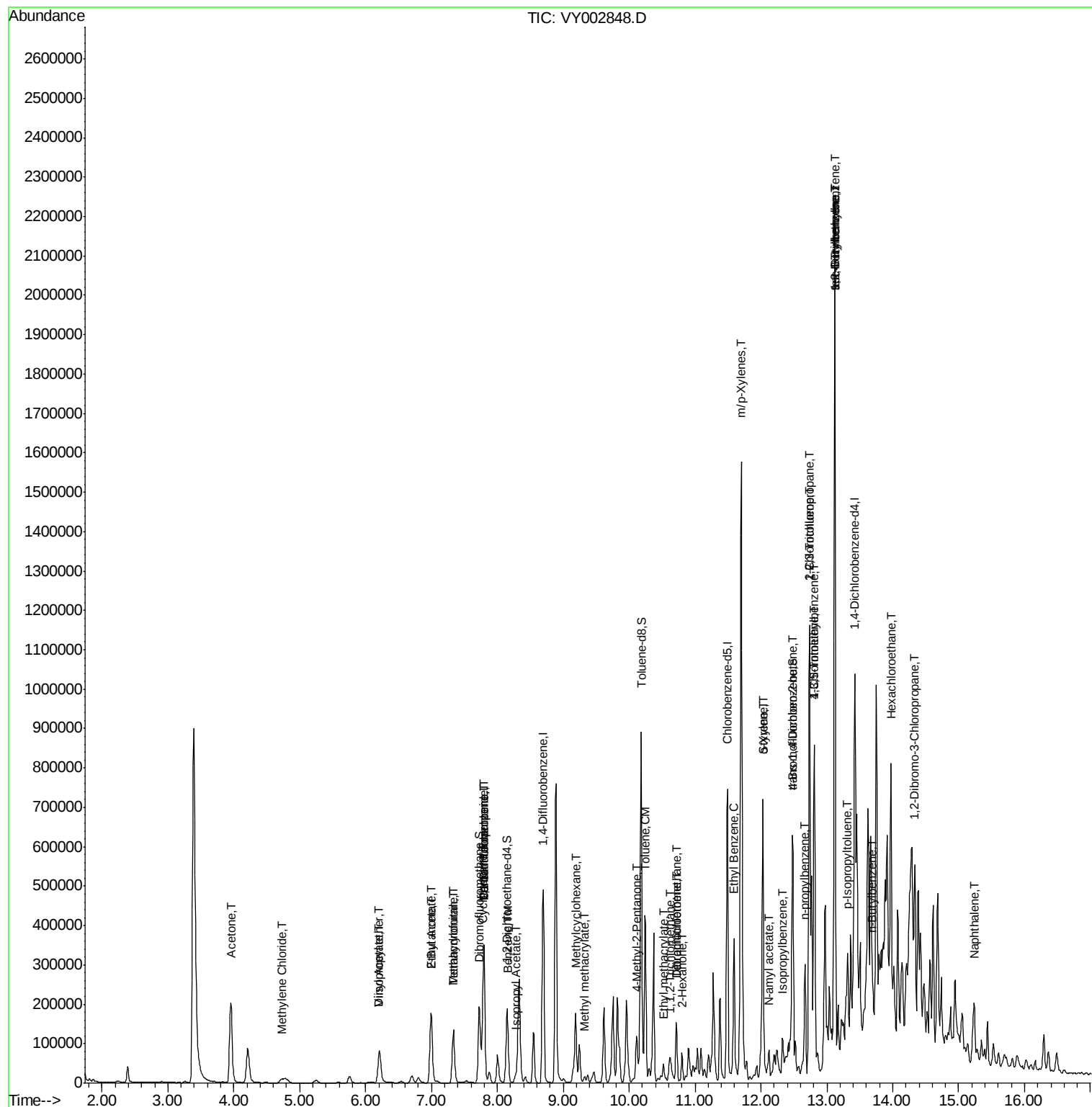
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 82) 4-Chlorotoluene            | 12.81 | 91   | 33794    | 3.637   | ug/l # | 40       |
| 83) tert-Butylbenzene          | 13.12 | 119  | 149317   | 14.646  | ug/l # | 65       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 1175731  | 102.307 | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.12 | 105  | 1175731  | 84.344  | ug/l # | 54       |
| 86) p-Isopropyltoluene         | 13.31 | 119  | 41048    | 3.165   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.70 | 91   | 47636    | 4.045   | ug/l # | 70       |
| 90) Hexachloroethane           | 13.97 | 117  | 22707    | 9.351   | ug/l # | 6        |
| 92) 1,2-Dibromo-3-Chloropropan | 14.34 | 75   | 1480     | 3.203   | ug/l # | 18       |
| 95) Naphthalene                | 15.23 | 128  | 124539   | 13.459  | ug/l   | 99       |

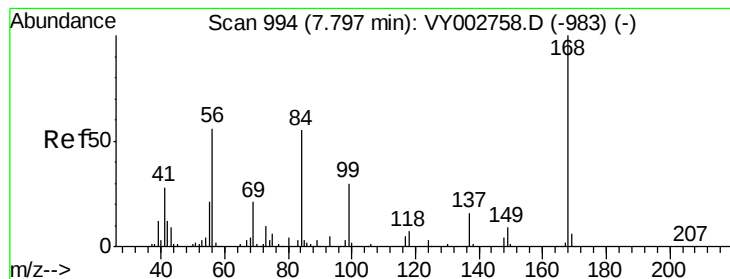
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 27 13:13:33 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

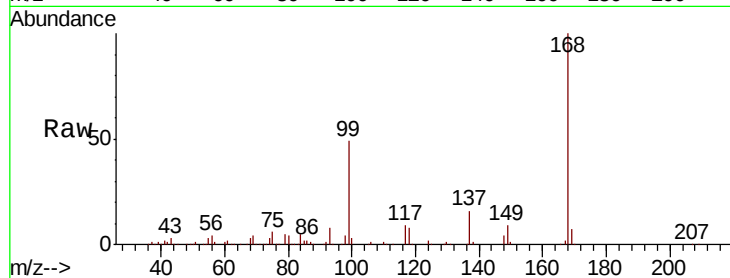
S39-HSVE3-IDW01

Tot Ion:168 Resp: 277633

Ion Ratio Lower Upper

168 100

99 49.2 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

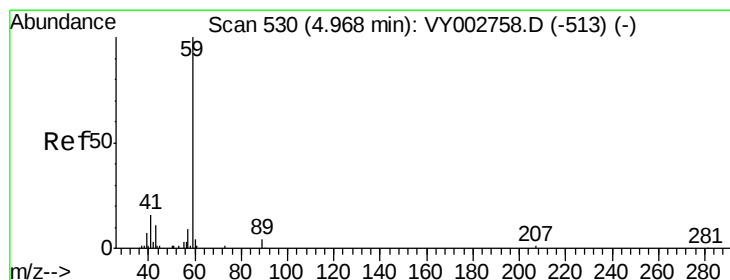
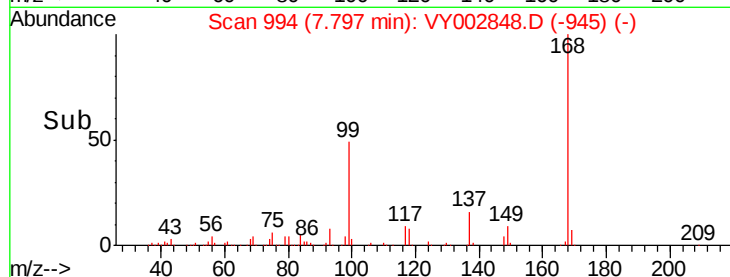
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002848.D

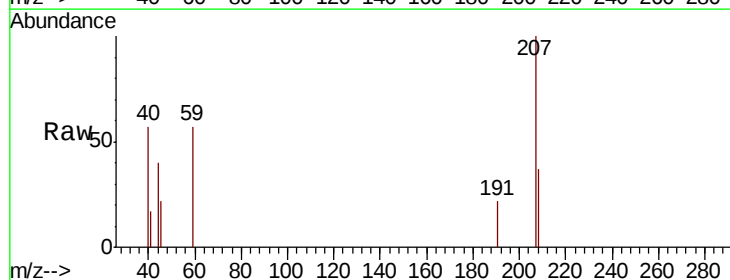
Acq: 05 Jun 2020 15:02

Tgt Ion: 59 Resp: 433

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002758.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY002758.D (-513) (-)

4.96

200

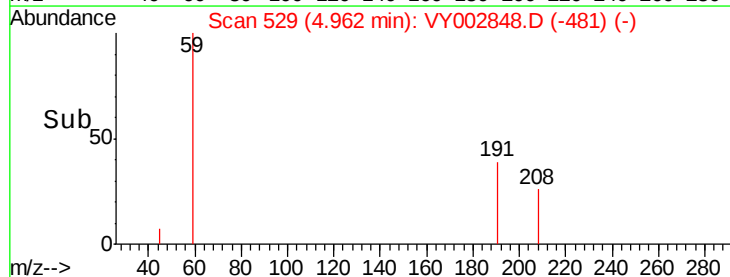
150

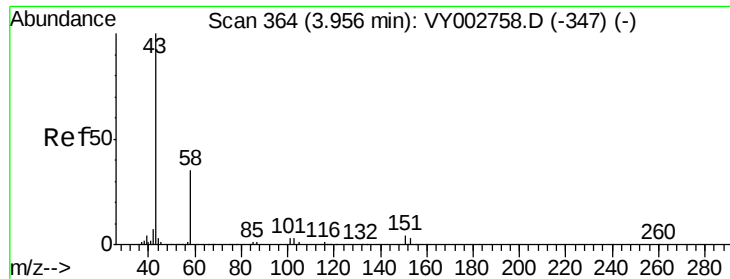
100

50

0

Time-->





#16

Acetone

Concen: 620.295 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

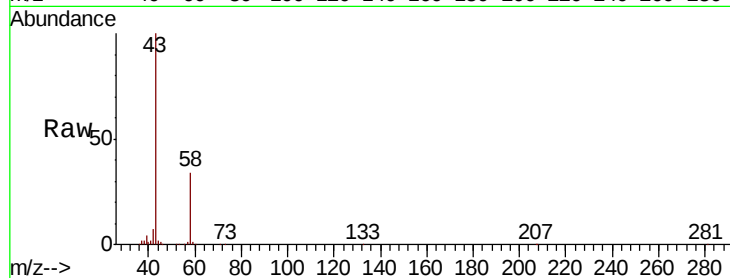
S39-HSVE3-IDW01

Tot Ion: 43 Resp: 350629

Ion Ratio Lower Upper

43 100

58 34.2 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

150000

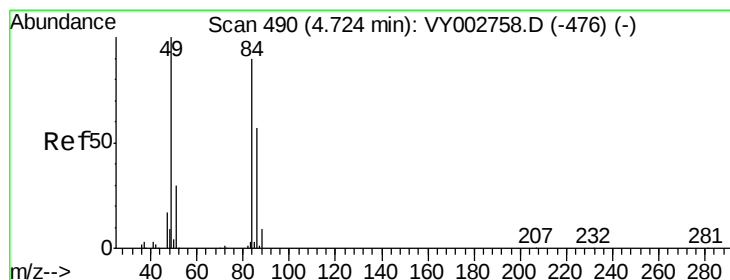
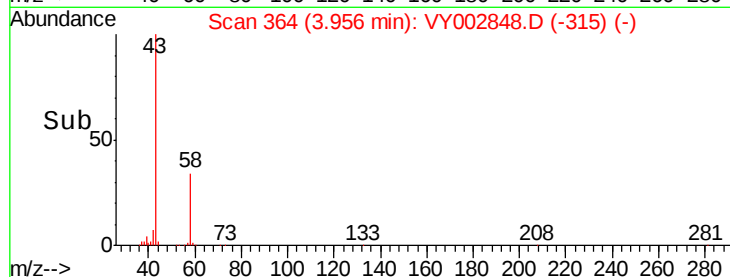
100000

50000

0

3.80 3.90 4.00 4.10

Time-->



#20

Methylene Chloride

Concen: 2.298 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Tgt Ion: 84 Resp: 6347

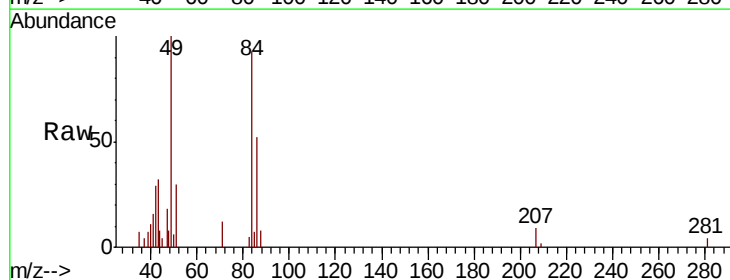
Ion Ratio Lower Upper

84 100

49 107.9 88.5 132.7

51 32.7 26.8 40.2

86 55.9 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

3000

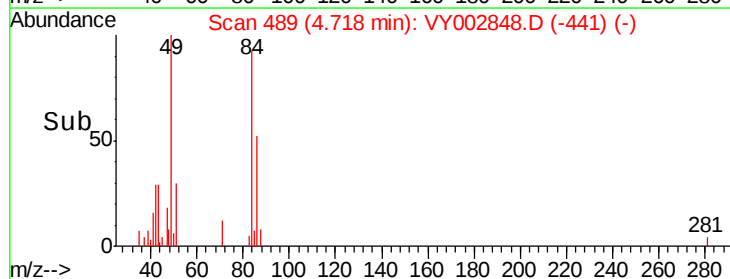
2000

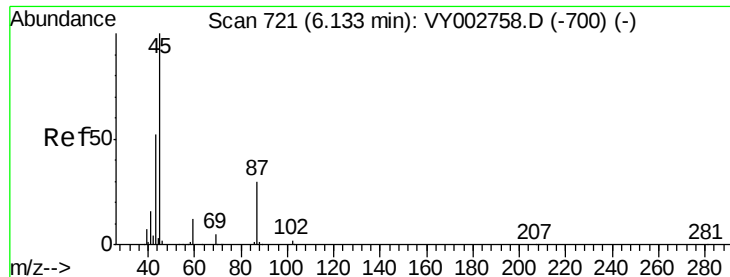
1000

0

4.60 4.70 4.80

Time-->

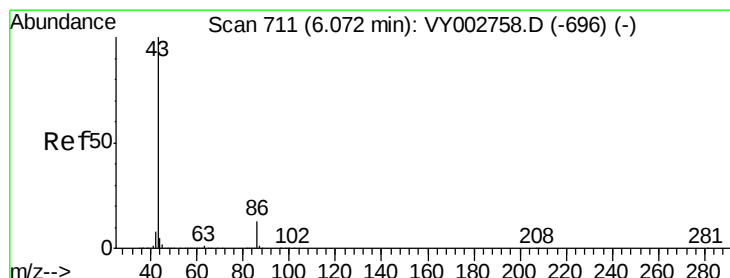
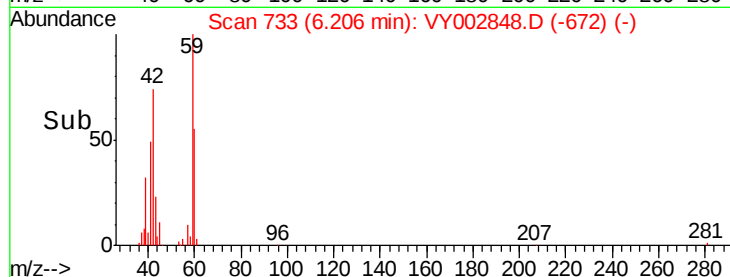
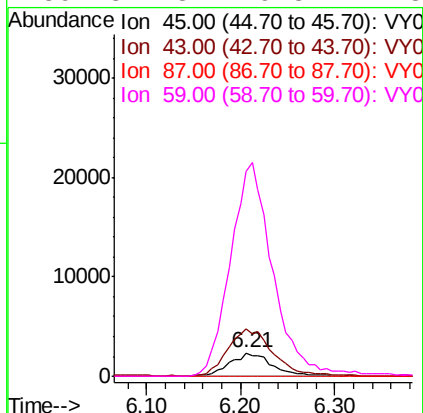
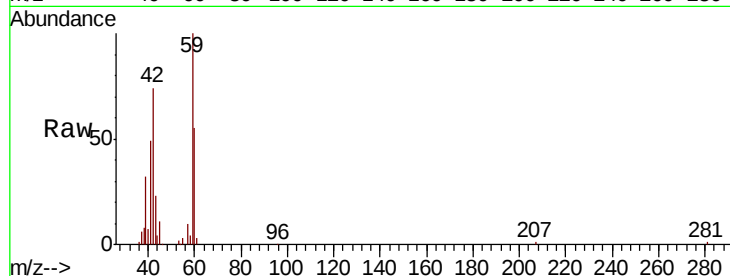




#22  
Diisopropyl ether  
Concen: 1.045 ug/l  
RT: 6.21 min Scan# 733  
Delta R.T. 0.07 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

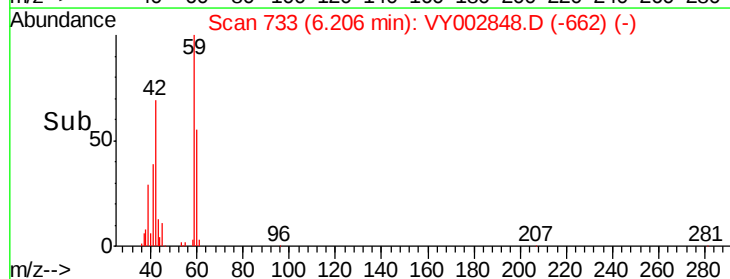
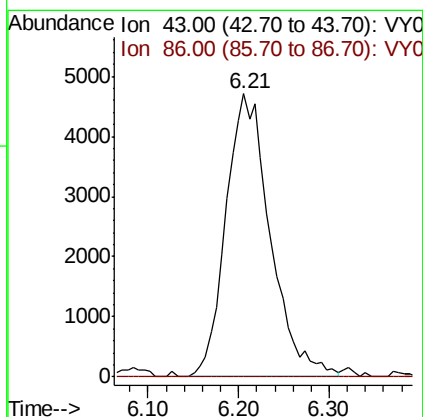
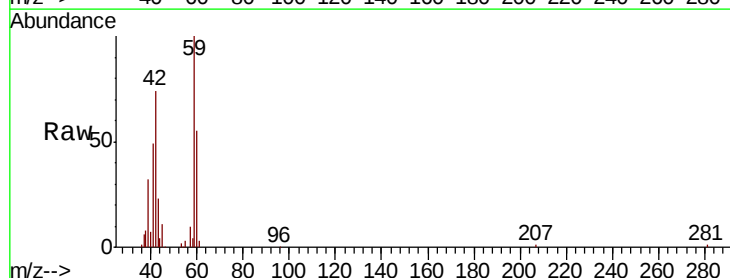
Instrument :  
MSVOA\_Y  
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S39-HSVE3-IDW01

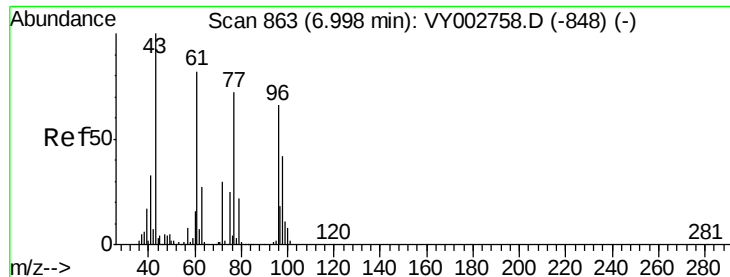
| Tot Ion   | 45    | Resp | 7353 |
|-----------|-------|------|------|
| Ion Ratio | 100   |      |      |
| Lower     | 41.7  |      |      |
| Upper     | 62.5# |      |      |
| 43        | 200.0 |      |      |
| 87        | 0.0   |      |      |
| 59        | 874.8 |      |      |
|           | 9.8   |      |      |
|           | 14.8# |      |      |



#23  
Vinyl Acetate  
Concen: 3.450 ug/l  
RT: 6.21 min Scan# 733  
Delta R.T. 0.13 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

| Tgt Ion   | 43    | Resp | 16032 |
|-----------|-------|------|-------|
| Ion Ratio | 100   |      |       |
| Lower     | 10.2  |      |       |
| Upper     | 15.2# |      |       |
| 86        | 0.0   |      |       |

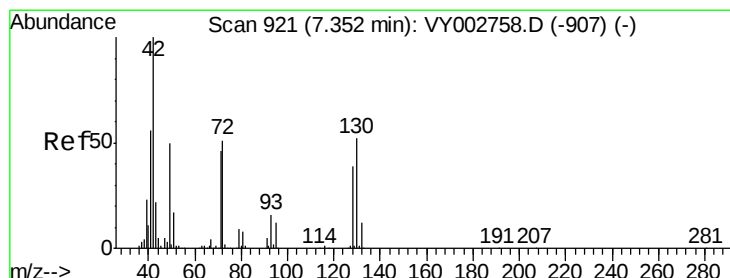
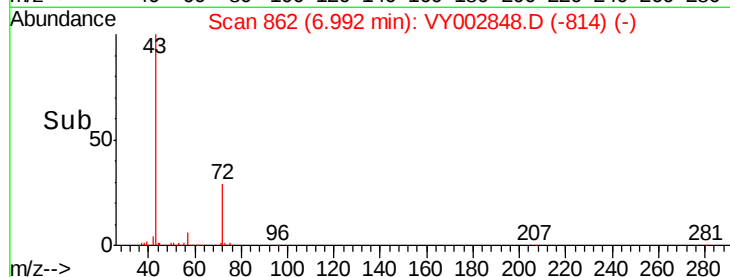
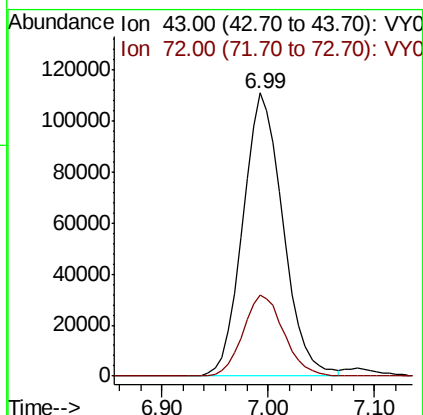
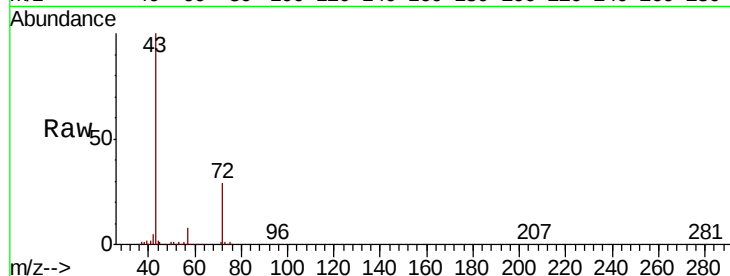




#25  
2-Butanone  
Concen: 333.475 ug/l  
RT: 6.99 min Scan# 862  
Delta R.T. -0.01 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

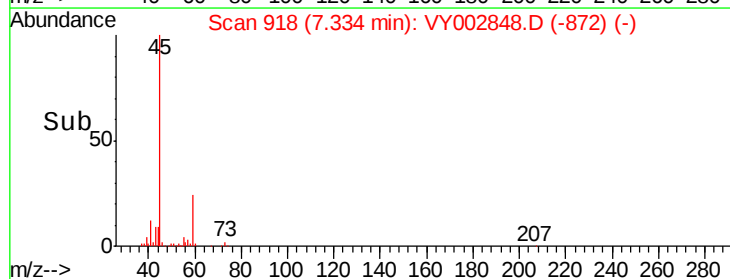
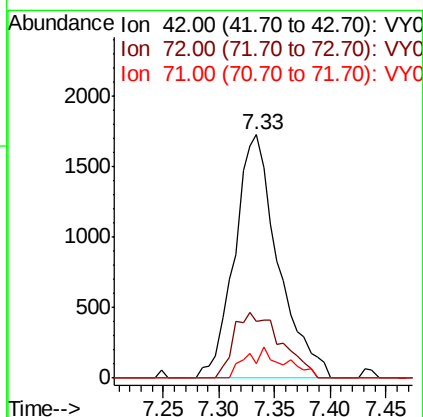
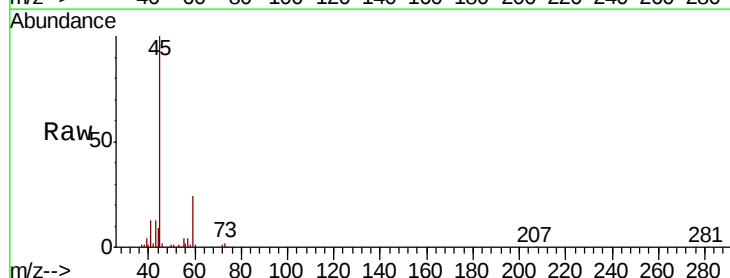
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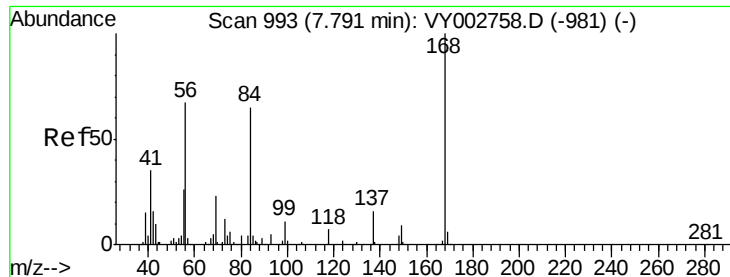
Tot Ion: 43 Resp: 293684  
Ion Ratio Lower Upper  
43 100  
72 28.6 23.9 35.9



#29  
Tetrahydrofuran  
Concen: 8.168 ug/l  
RT: 7.33 min Scan# 918  
Delta R.T. -0.02 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

Tgt Ion: 42 Resp: 4679  
Ion Ratio Lower Upper  
42 100  
72 29.2 38.6 58.0#  
71 3.9 35.8 53.8#

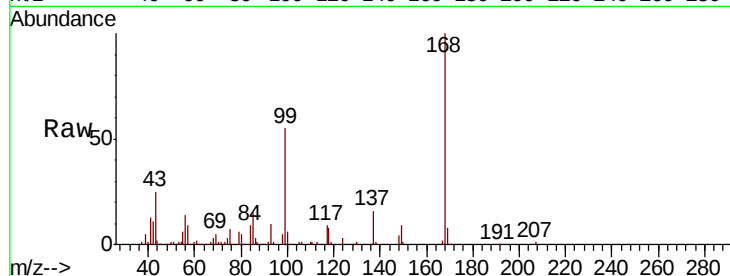




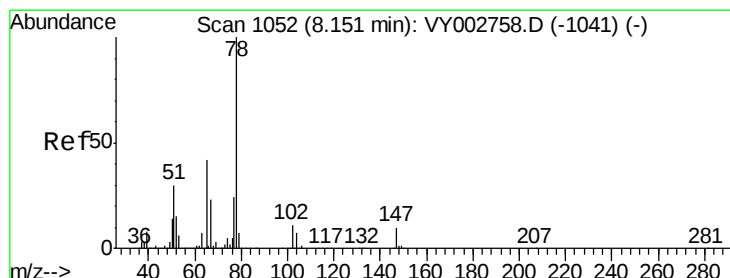
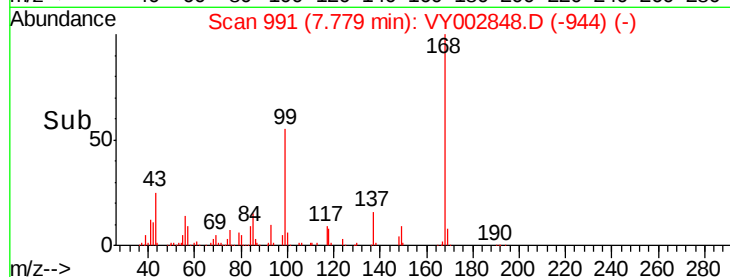
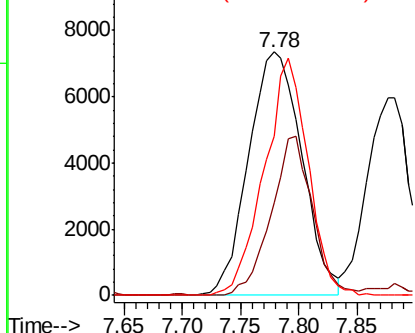
#31  
Cyclohexane  
Concen: 5.728 ug/l  
RT: 7.78 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S39-HSVE3-IDW01

Tot Ion: 56 Resp: 23417  
Ion Ratio Lower Upper  
56 100  
69 37.8 28.0 42.0  
84 65.4 77.7 116.5#

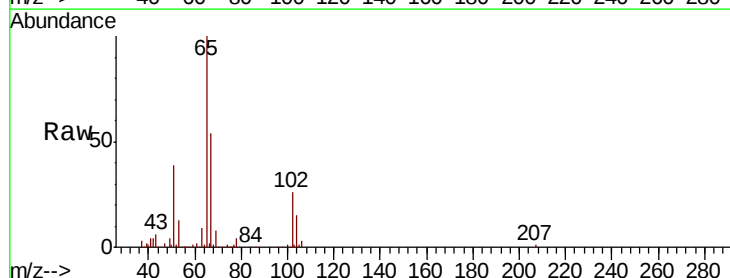


Abundance Ion 56.00 (55.70 to 56.70): VY0  
Ion 69.00 (68.70 to 69.70): VY0  
Ion 84.00 (83.70 to 84.70): VY0

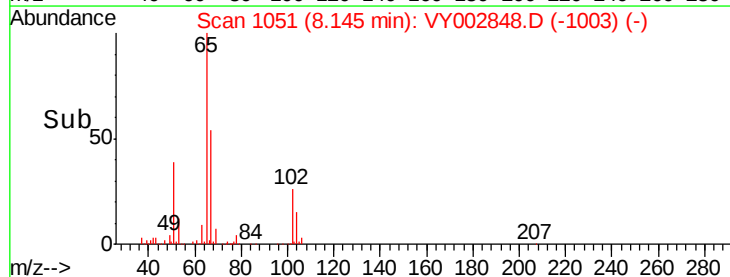
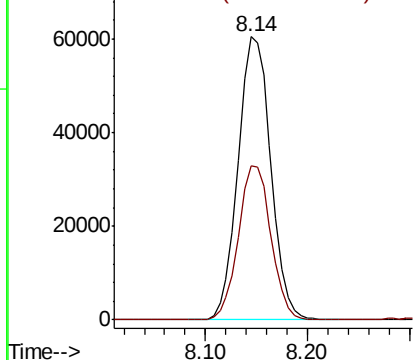


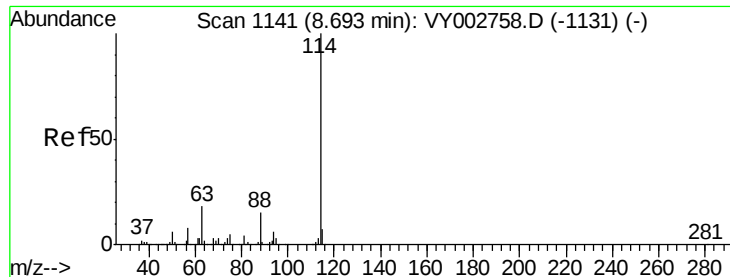
#33  
1,2-Dichloroethane-d4  
Concen: 55.829 ug/l  
RT: 8.14 min Scan# 1051  
Delta R.T. -0.01 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

Tgt Ion: 65 Resp: 134584  
Ion Ratio Lower Upper  
65 100  
67 54.2 0.0 111.0



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

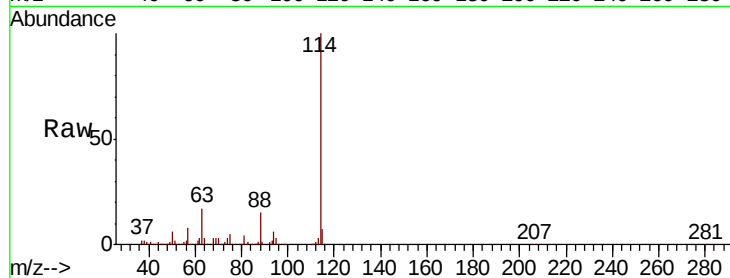




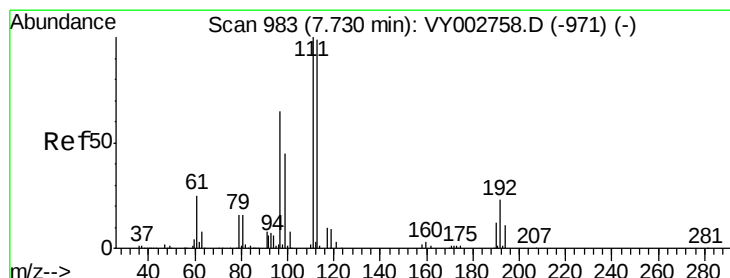
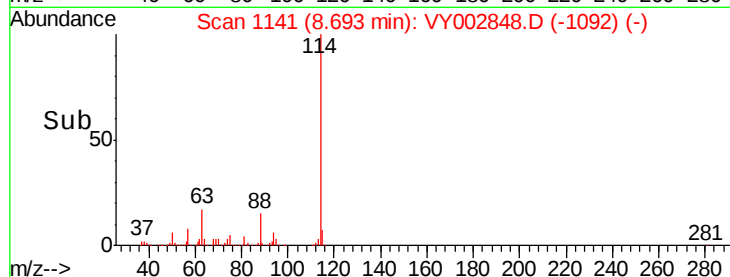
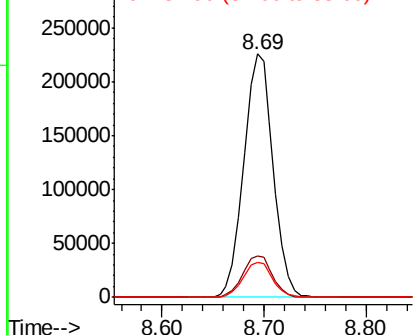
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY002848.D  
 Acq: 05 Jun 2020 15:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S39-HSVE3-IDW01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.2  | 0.0   | 35.2  |
| 88      | 14.5  | 0.0   | 29.2  |

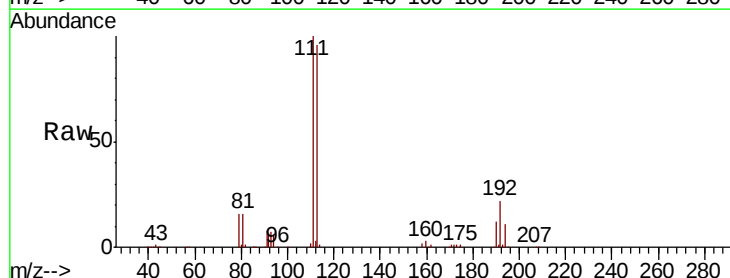


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

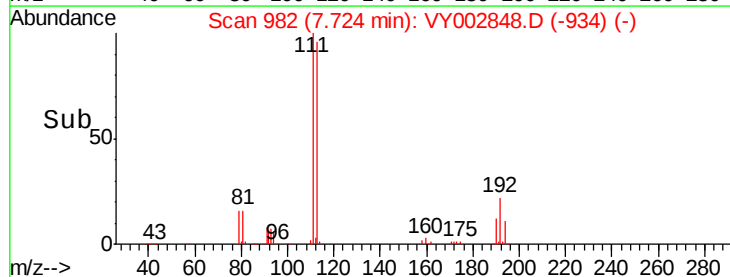
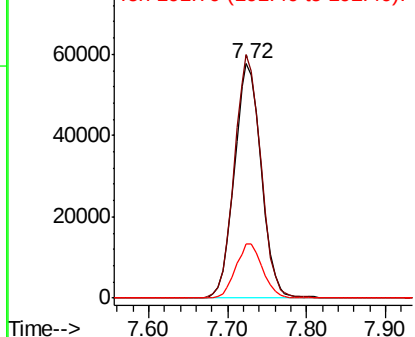


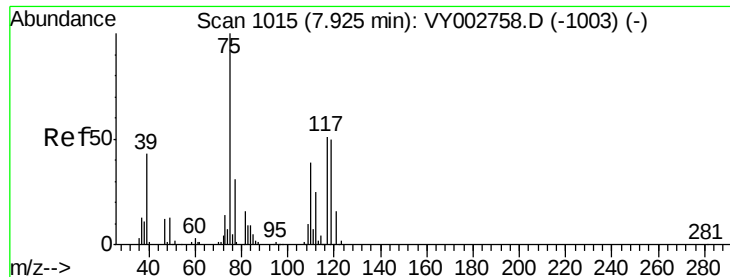
#35  
 Dibromofluoromethane  
 Concen: 51.670 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.01 min  
 Lab File: VY002848.D  
 Acq: 05 Jun 2020 15:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.6 | 82.0  | 123.0 |
| 192     | 23.3  | 18.9  | 28.3  |



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

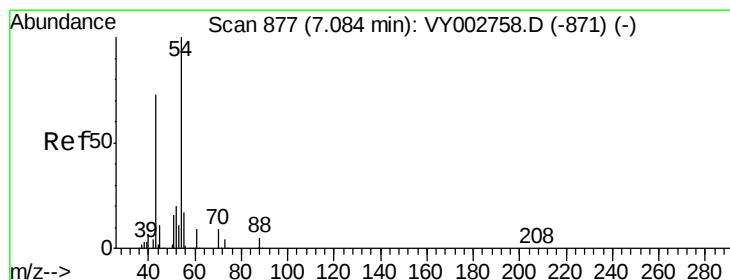
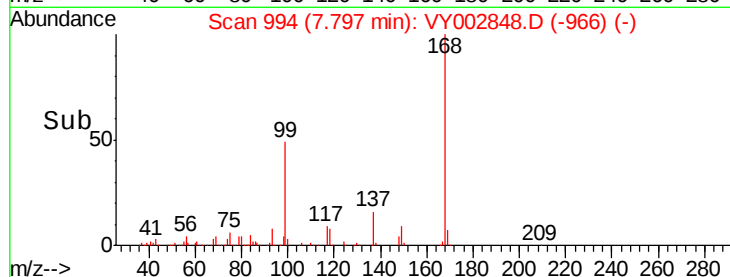
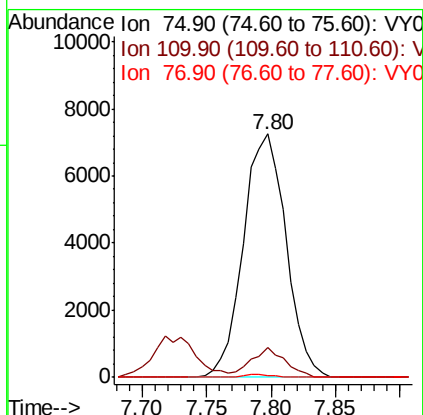
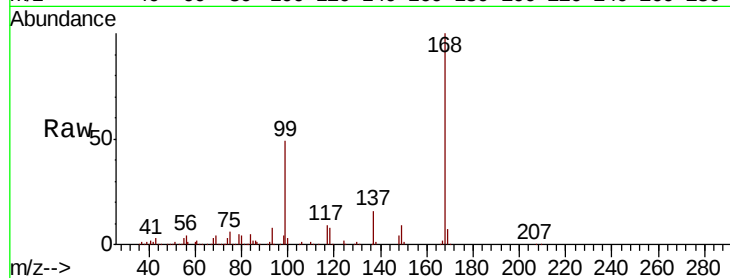




#36  
 1,1-Dichloropropene  
 Concen: 4.385 ug/l  
 RT: 7.80 min Scan# 994  
 Delta R.T. -0.13 min  
 Lab File: VY002848.D  
 Acq: 05 Jun 2020 15:02

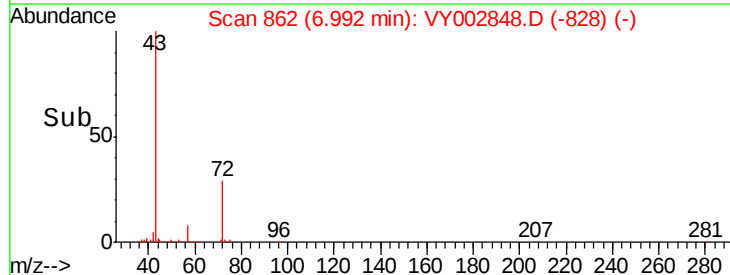
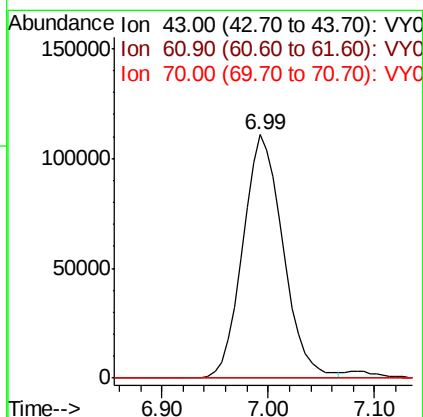
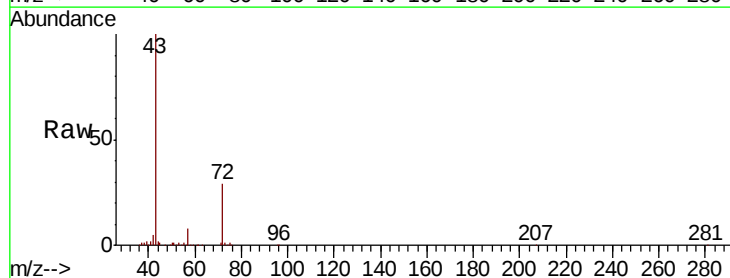
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S39-HSVE3-IDW01

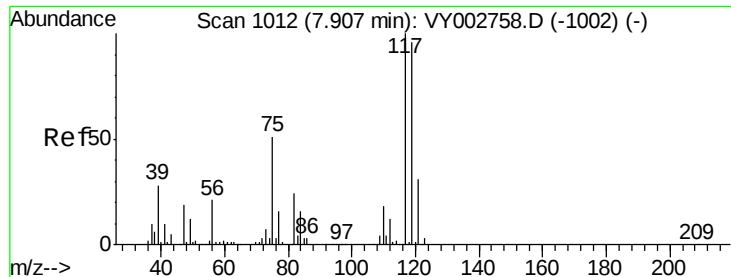
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.9   | 19.3  | 57.9# |
| 77      | 0.8   | 24.8  | 37.2# |



#37  
 Ethyl Acetate  
 Concen: 142.371 ug/l  
 RT: 6.99 min Scan# 862  
 Delta R.T. -0.09 min  
 Lab File: VY002848.D  
 Acq: 05 Jun 2020 15:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 0.2   | 11.9  | 17.9# |
| 70      | 0.0   | 9.1   | 13.7# |





#38

Carbon Tetrachloride

Concen: 5.849 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

S39-HSVE3-IDW01

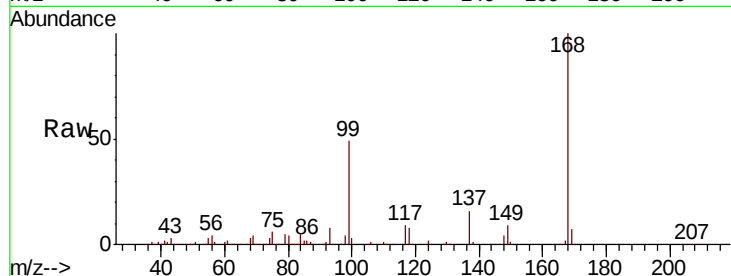
Tot Ion:117 Resp: 24634

Ion Ratio Lower Upper

117 100

119 4.0 76.8 115.2#

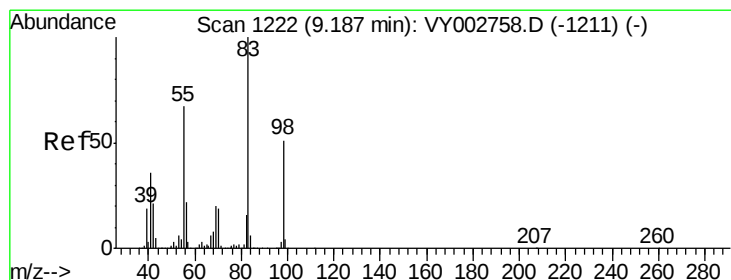
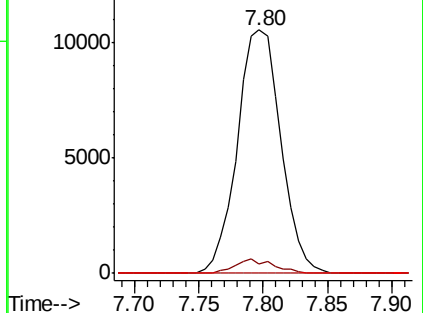
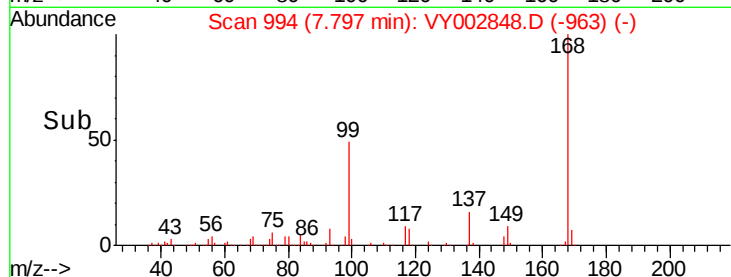
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 9.537 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

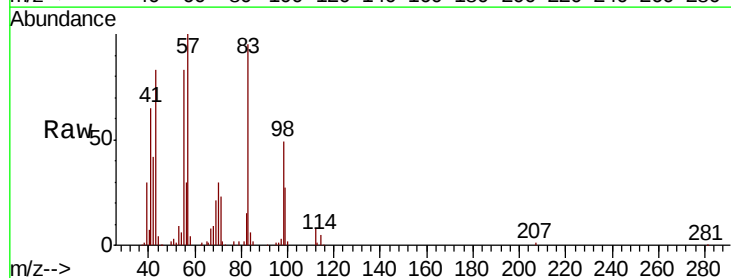
Tgt Ion: 83 Resp: 47658

Ion Ratio Lower Upper

83 100

55 87.9 53.3 79.9#

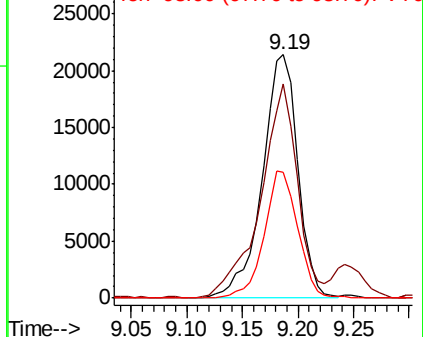
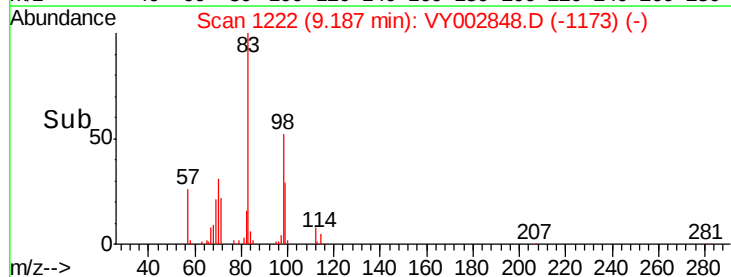
98 51.8 41.1 61.7

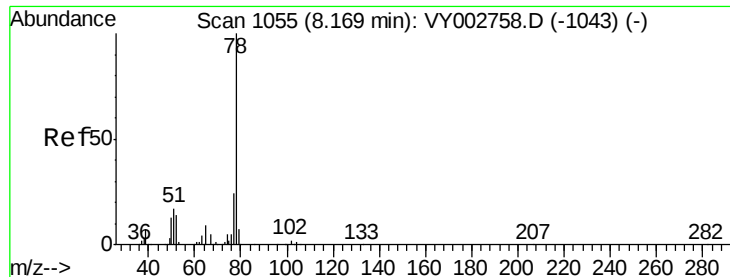


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

Benzene

Concen: 1.280 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

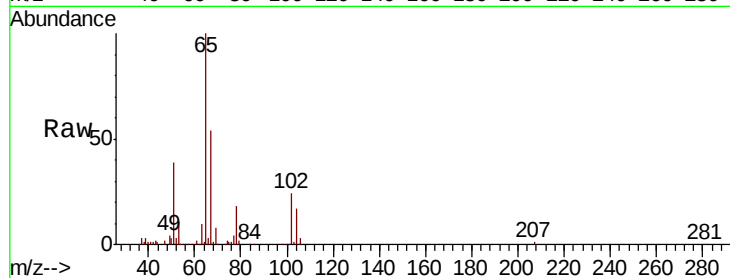
S39-HSVE3-IDW01

Tot Ion: 78 Resp: 14337

Ion Ratio Lower Upper

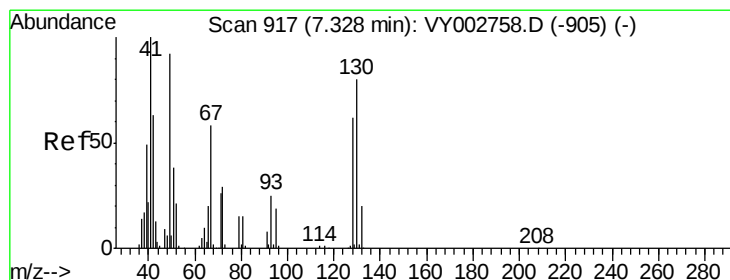
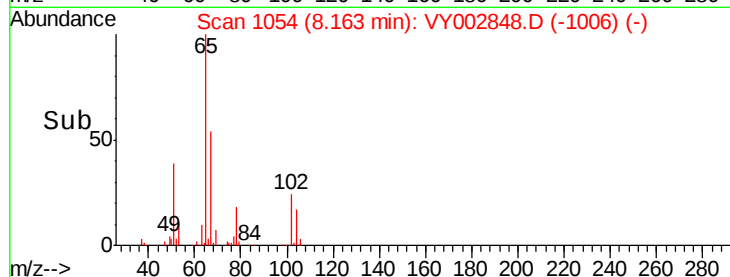
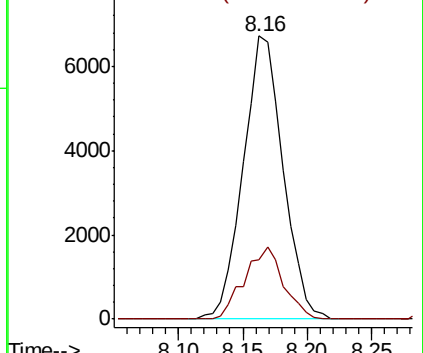
78 100

77 21.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#41

Methacrylonitrile

Concen: 21.912 ug/l

RT: 7.33 min Scan# 918

Delta R.T. 0.01 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Tgt Ion: 41 Resp: 24283

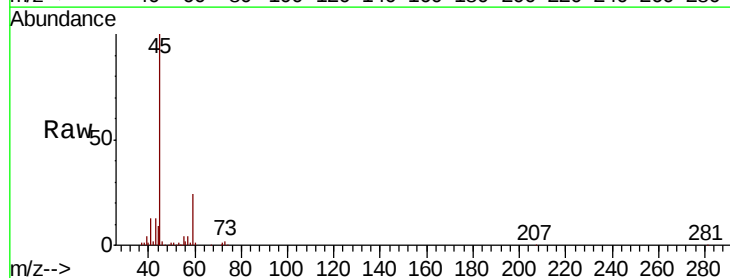
Ion Ratio Lower Upper

41 100

39 36.6 97.6 146.4#

67 2.4 0.0 0.0#

52 2.6 0.0 0.0#

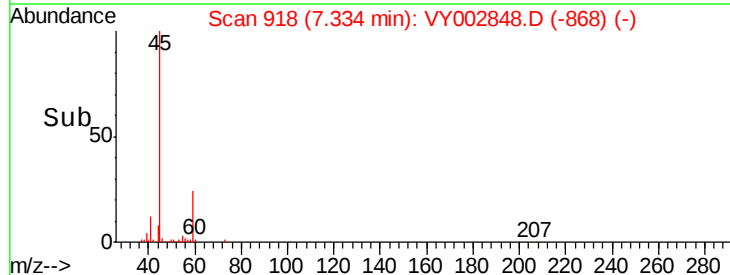
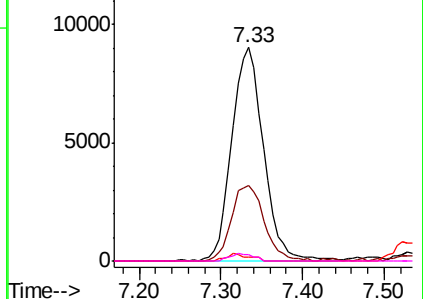


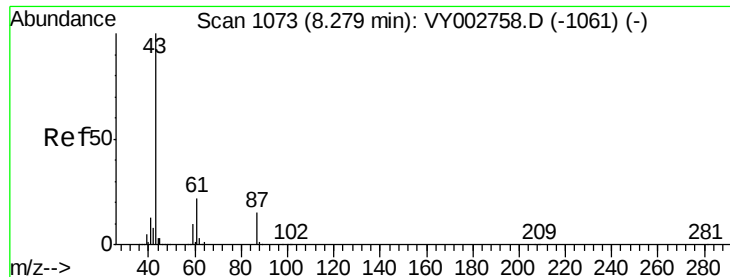
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#43

Isopropyl Acetate

Concen: 1.194 ug/l

RT: 8.27 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

S39-HSVE3-IDW01

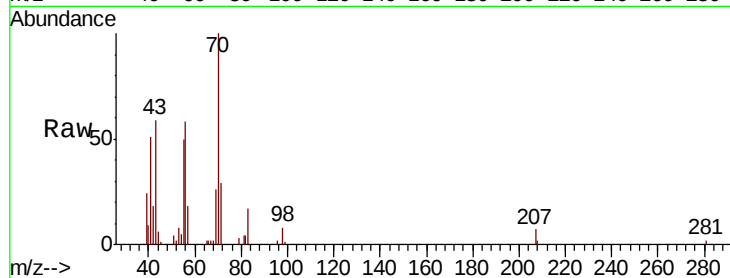
Tot Ion: 43 Resp: 4669

Ion Ratio Lower Upper

43 100

61 0.0 24.8 37.2#

87 0.0 12.4 18.6#

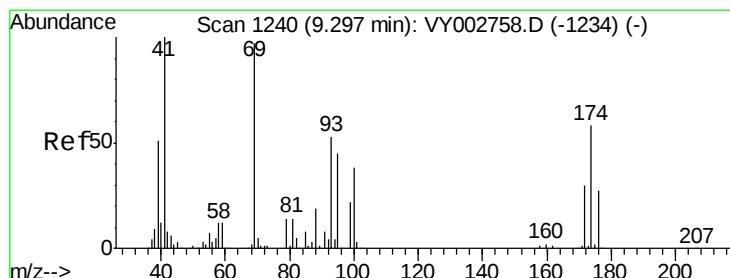
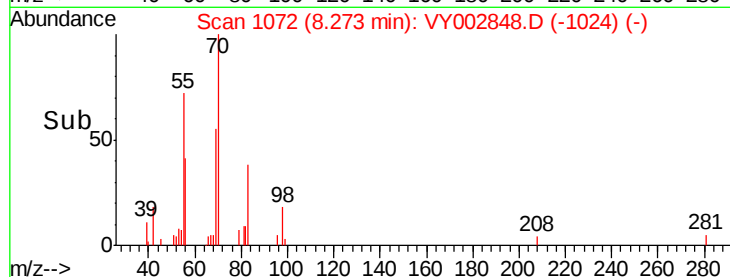
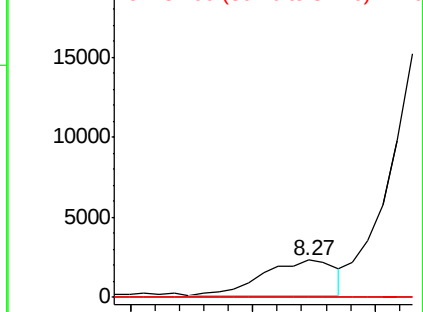


Abundance

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



#48

Methyl methacrylate

Concen: 2.046 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.03 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

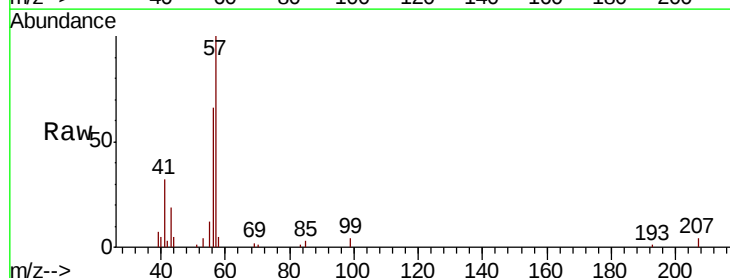
Tgt Ion: 41 Resp: 3611

Ion Ratio Lower Upper

41 100

69 0.0 79.7 119.5#

39 28.5 43.3 64.9#

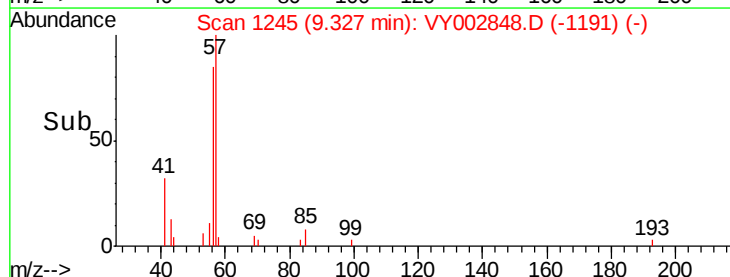
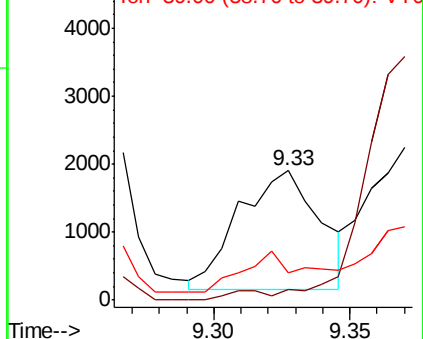


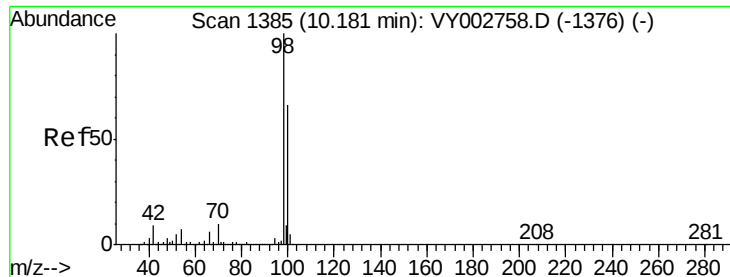
Abundance

Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

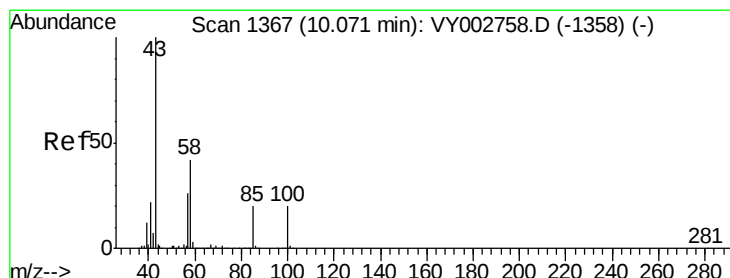
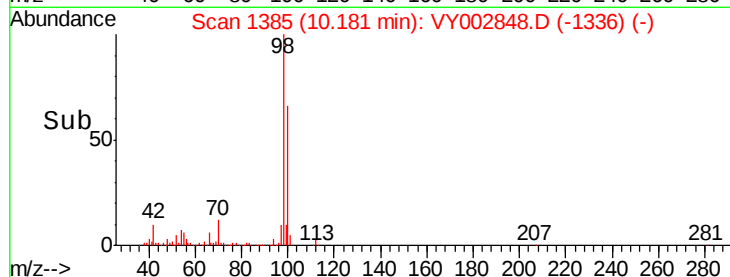
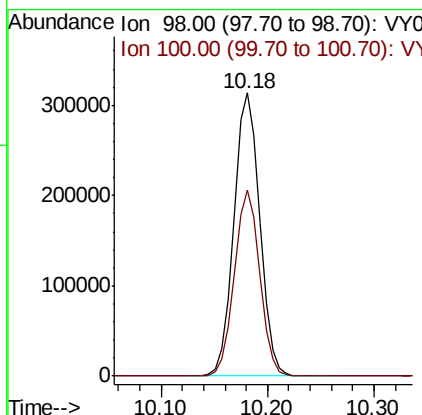
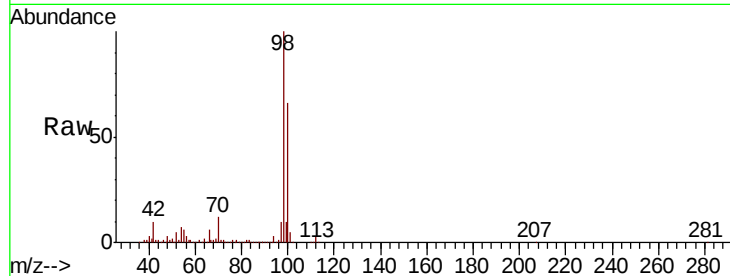




#50  
Toluene-d8  
Concen: 50.252 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

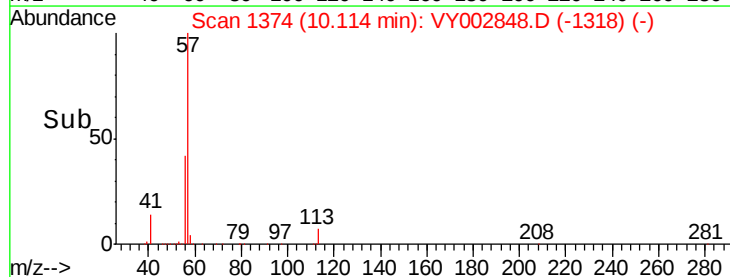
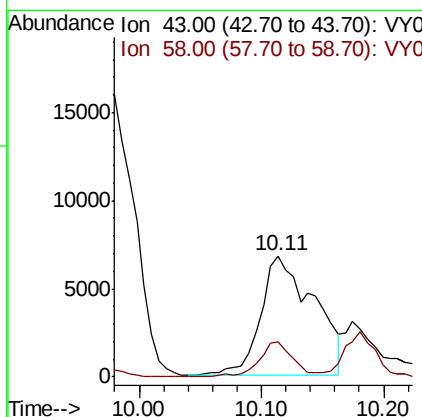
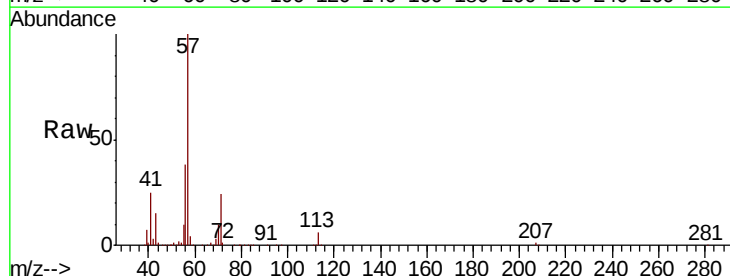
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S39-HSVE3-IDW01

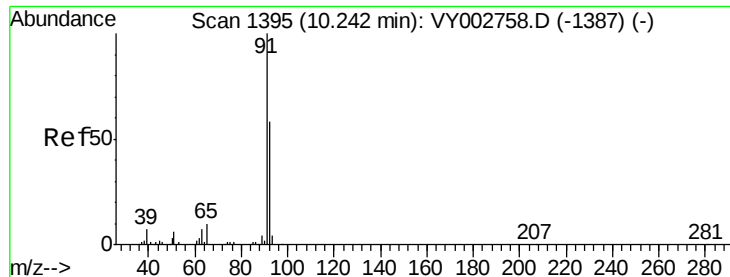
Tot Ion: 98 Resp: 535937  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.2 78.2



#51  
4-Methyl-2-Pentanone  
Concen: 9.971 ug/l  
RT: 10.11 min Scan# 1374  
Delta R.T. 0.04 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

Tgt Ion: 43 Resp: 20639  
Ion Ratio Lower Upper  
43 100  
58 18.8 34.2 51.2#





#52

Toluene

Concen: 24.539 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

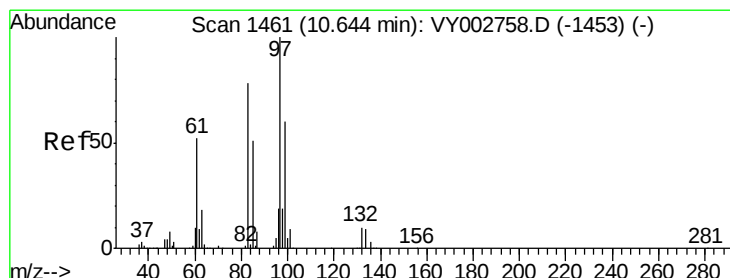
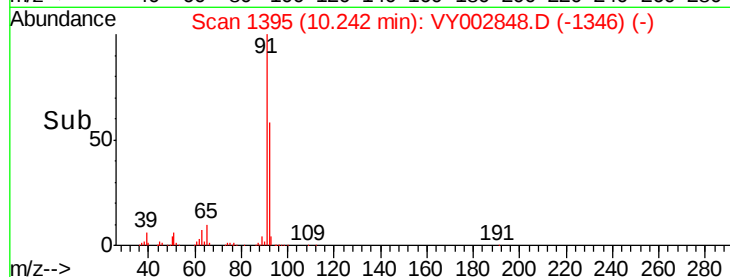
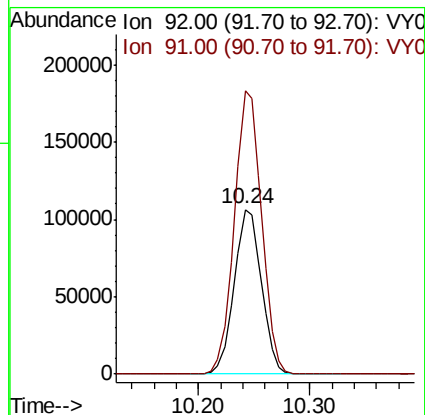
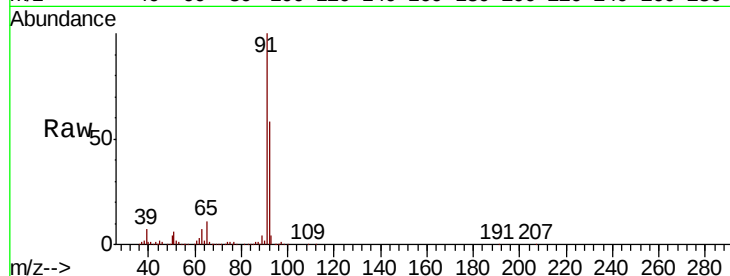
S39-HSVE3-IDW01

Tot Ion: 92 Resp: 179837

Ion Ratio Lower Upper

92 100

91 172.1 138.5 207.7



#55

1,1,2-Trichloroethane

Concen: 8.577 ug/l

RT: 10.62 min Scan# 1457

Delta R.T. -0.02 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Tgt Ion: 97 Resp: 20951

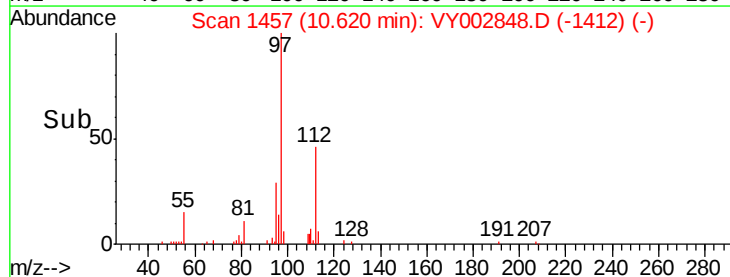
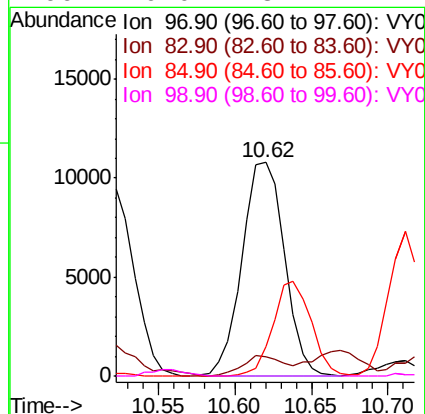
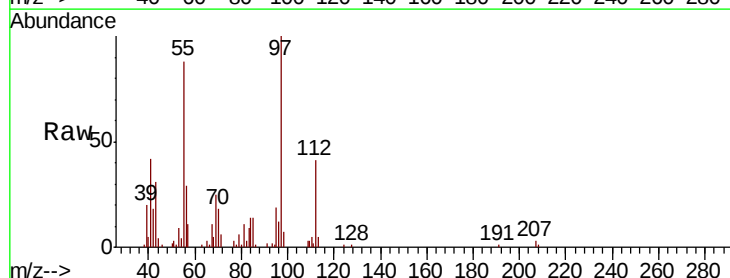
Ion Ratio Lower Upper

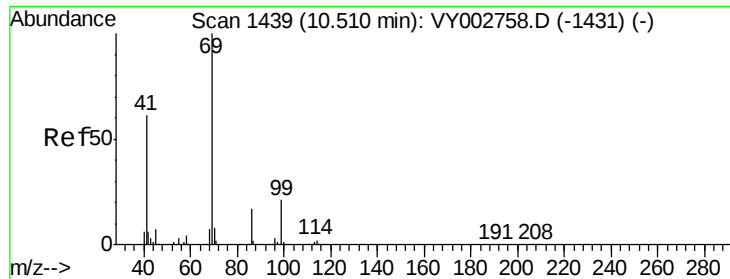
97 100

83 7.5 62.7 94.1#

85 13.6 40.6 60.8#

99 0.0 48.2 72.4#





#56

Ethyl methacrylate

Concen: 1.555 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. 0.01 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

S39-HSVE3-IDW01

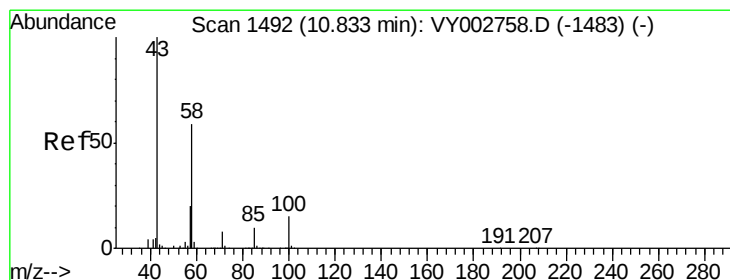
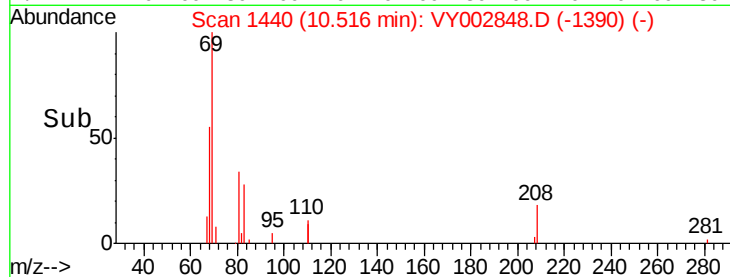
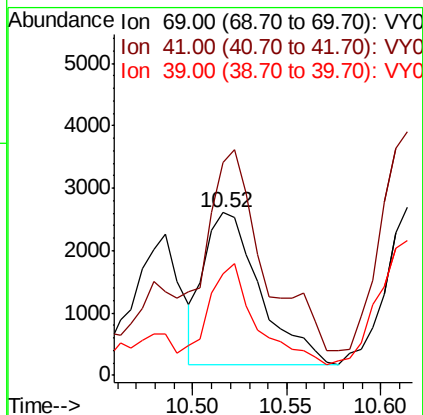
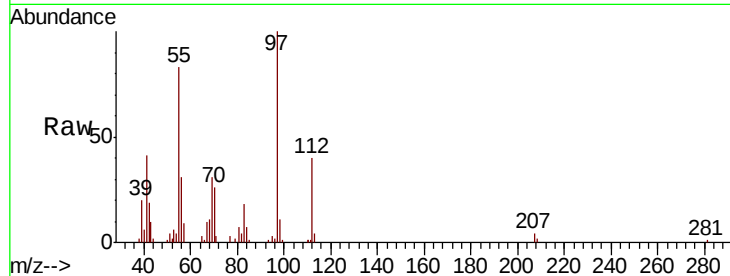
Tot Ion: 69 Resp: 5087

Ion Ratio Lower Upper

69 100

41 132.9 47.0 70.4#

39 57.0 22.0 33.0#



#59

2-Hexanone

Concen: 18.823 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.03 min

Lab File: VY002848.D

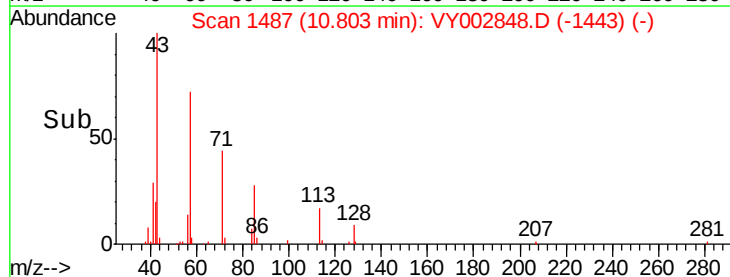
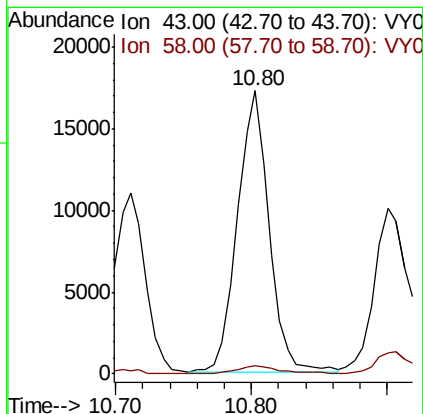
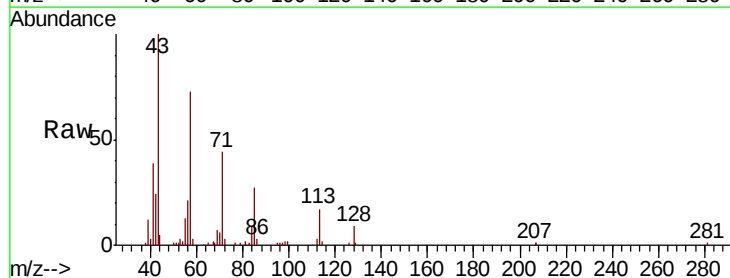
Acq: 05 Jun 2020 15:02

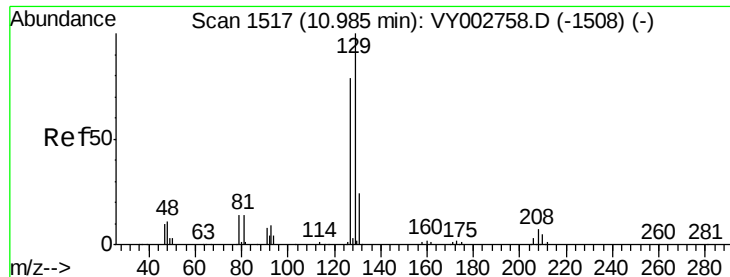
Tgt Ion: 43 Resp: 27644

Ion Ratio Lower Upper

43 100

58 4.2 29.5 88.5#





#60

Dibromochloromethane

Concen: 6.964 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.27 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

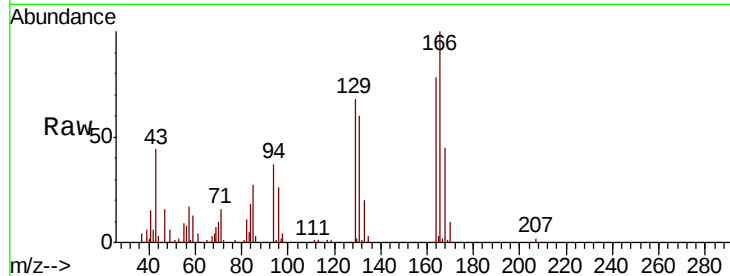
S39-HSVE3-IDW01

Tot Ion:129 Resp: 21568

Ion Ratio Lower Upper

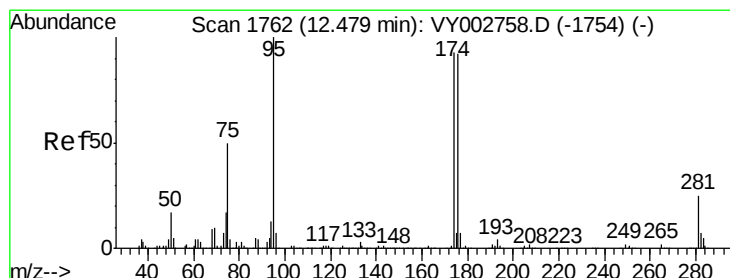
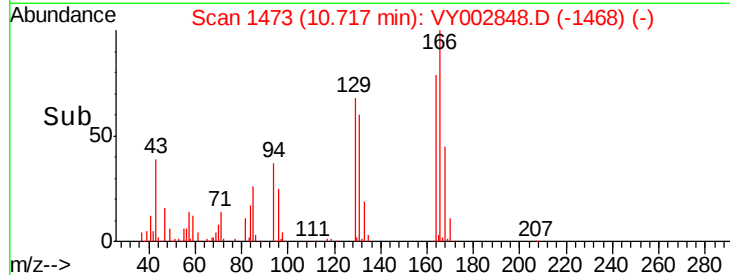
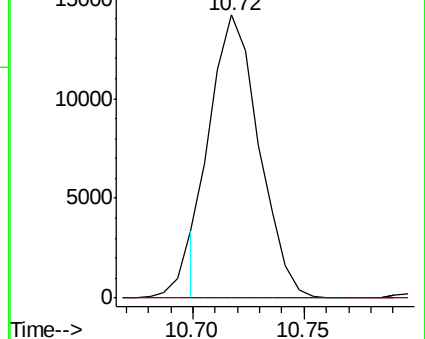
129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 49.802 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

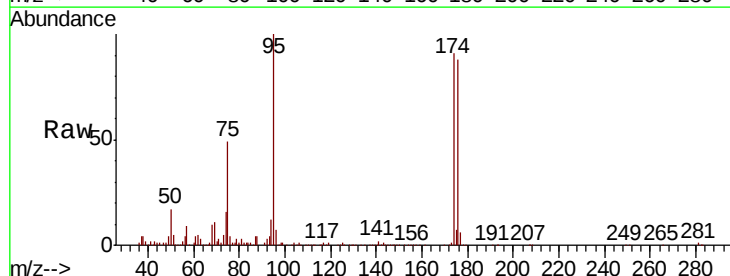
Tgt Ion: 95 Resp: 181518

Ion Ratio Lower Upper

95 100

174 94.3 0.0 191.2

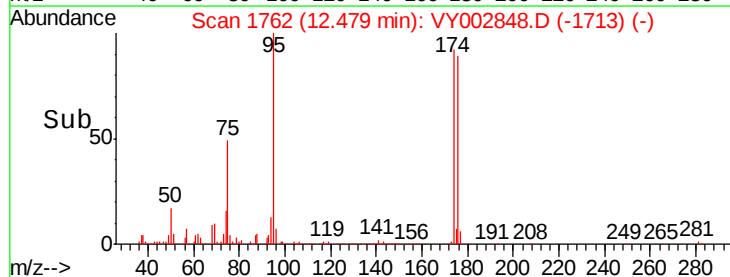
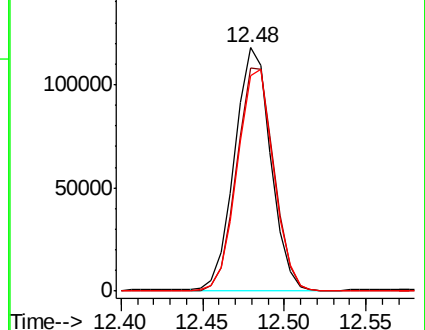
176 92.0 0.0 188.8

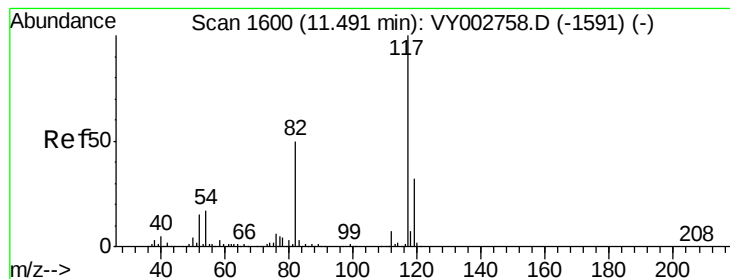


Abundance Ion 94.90 (94.60 to 95.60): VY0

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# 1600

Delta R.T. 0.00 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

S39-HSVE3-IDW01

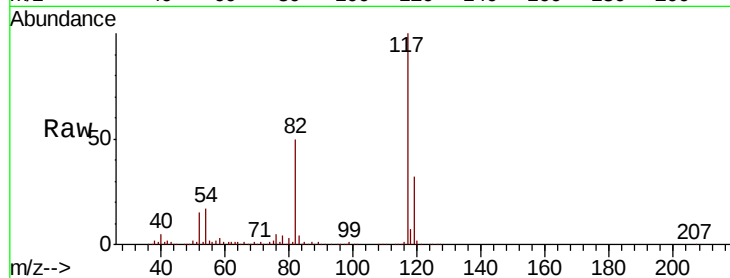
Tot Ion:117 Resp: 420862

Ion Ratio Lower Upper

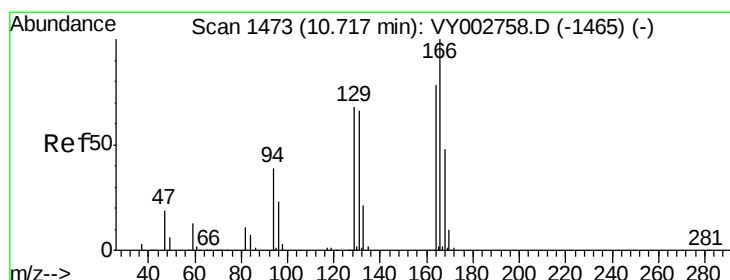
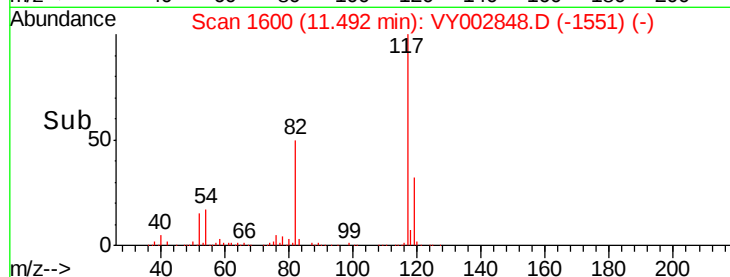
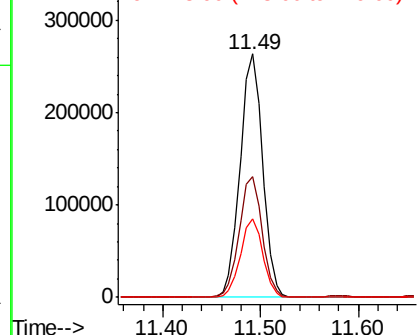
117 100

82 49.1 40.2 60.4

119 32.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 7.071 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Tgt Ion:164 Resp: 27045

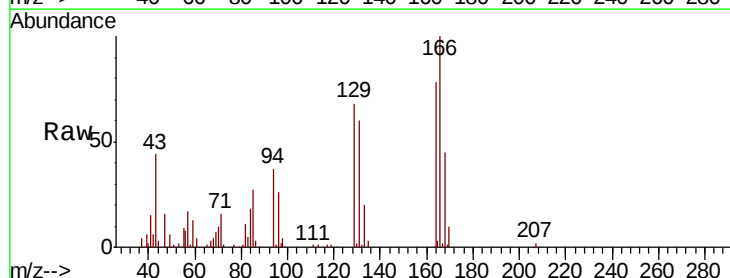
Ion Ratio Lower Upper

164 100

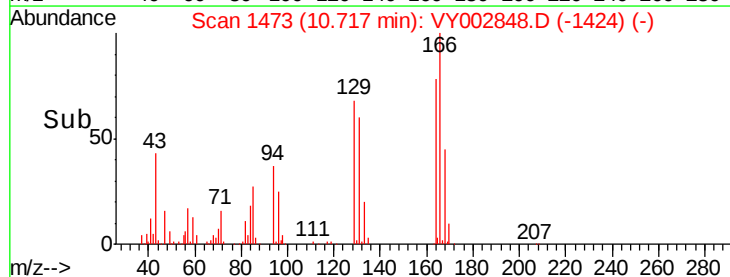
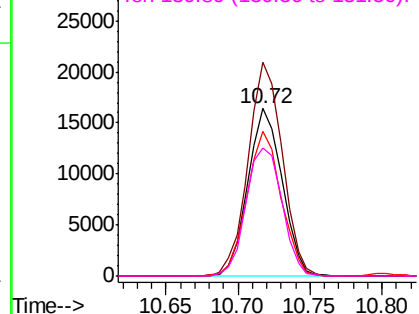
166 127.8 102.3 153.5

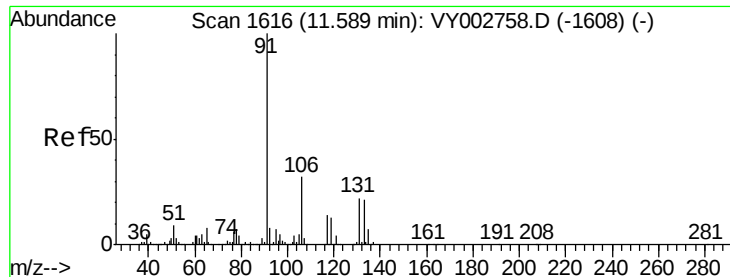
129 86.6 69.4 104.2

131 76.7 67.8 101.6



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 16.917 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

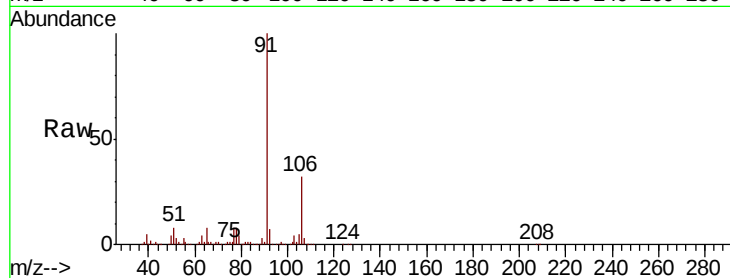
S39-HSVE3-IDW01

Tot Ion: 91 Resp: 243953

Ion Ratio Lower Upper

91 100

106 31.8 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VY002758.D (-1608) (-)

Ion 106.00 (105.70 to 106.70): VY002758.D (-1608) (-)

500000

400000

300000

200000

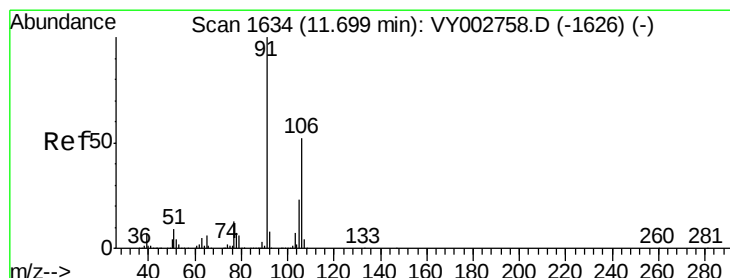
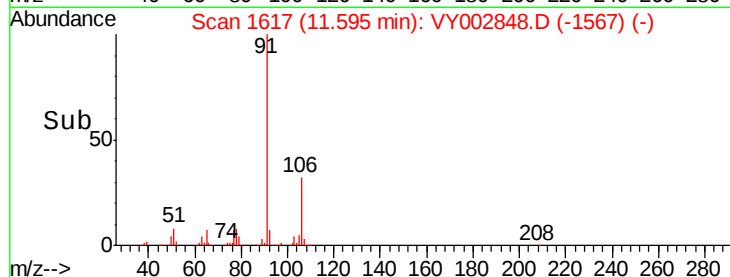
100000

0

11.50

11.60

Time-->



#68

m/p-Xylenes

Concen: 79.633 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002848.D

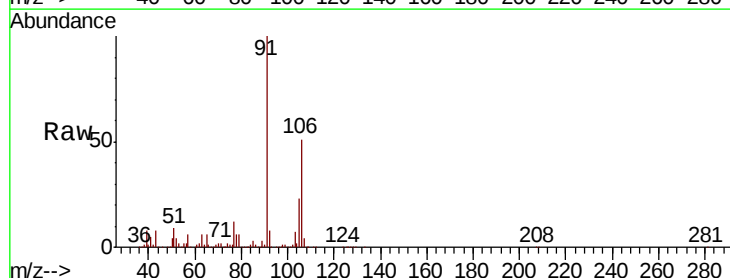
Acq: 05 Jun 2020 15:02

Tgt Ion: 106 Resp: 445245

Ion Ratio Lower Upper

106 100

91 195.5 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): VY002758.D (-1626) (-)

Ion 91.00 (90.70 to 91.70): VY002758.D (-1626) (-)

600000

500000

400000

300000

200000

100000

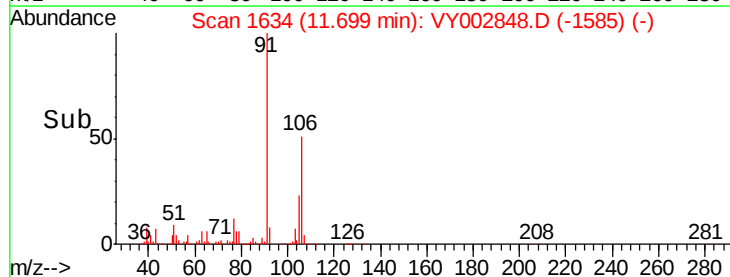
0

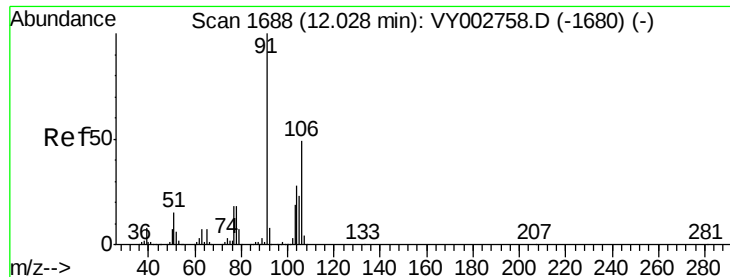
11.60

11.70

11.80

Time-->

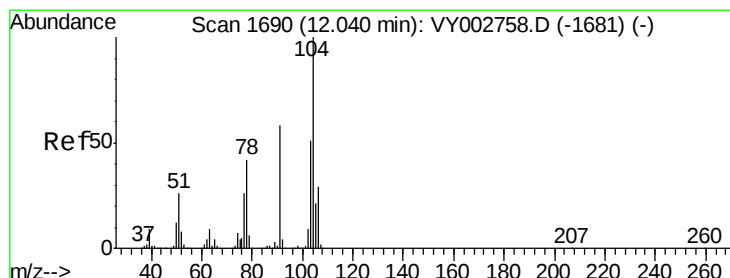
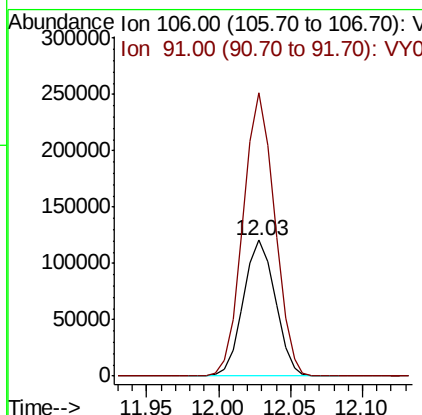
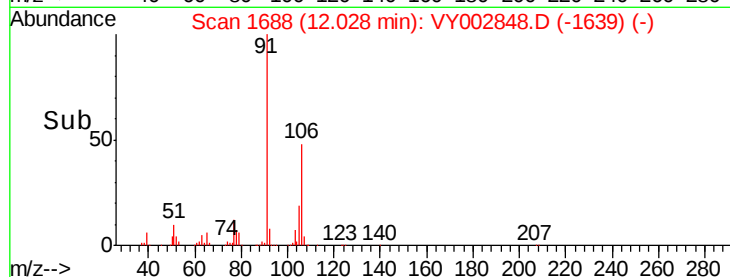
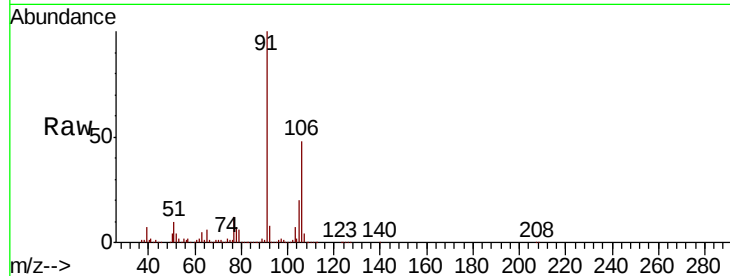




#69  
o-Xylene  
Concen: 35.161 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

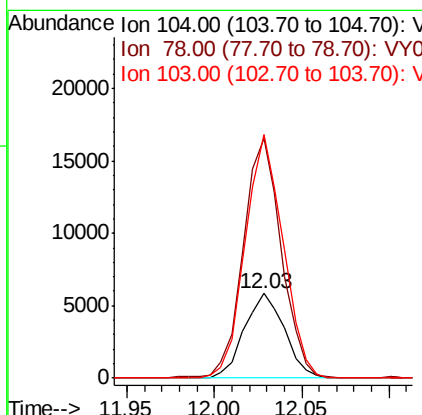
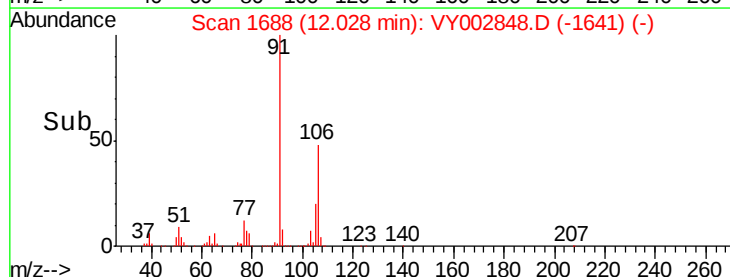
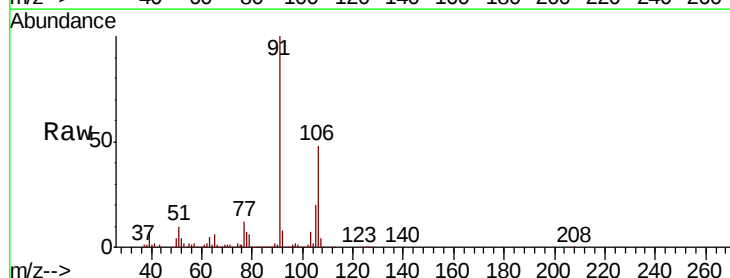
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S39-HSVE3-IDW01

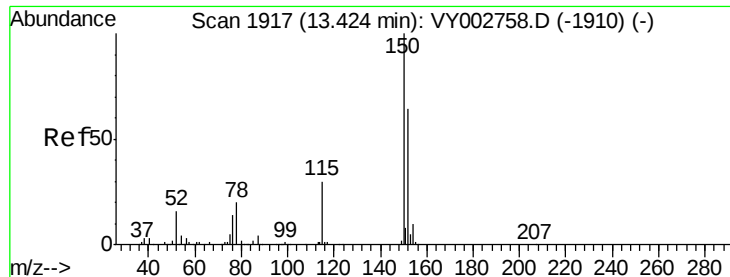
Tot Ion:106 Resp: 185592  
Ion Ratio Lower Upper  
106 100  
91 206.1 102.4 307.1



#70  
Styrene  
Concen: 1.019 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. -0.01 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

Tgt Ion:104 Resp: 9321  
Ion Ratio Lower Upper  
104 100  
78 269.4 36.2 54.4#  
103 271.5 43.6 65.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

S39-HSVE3-IDW01

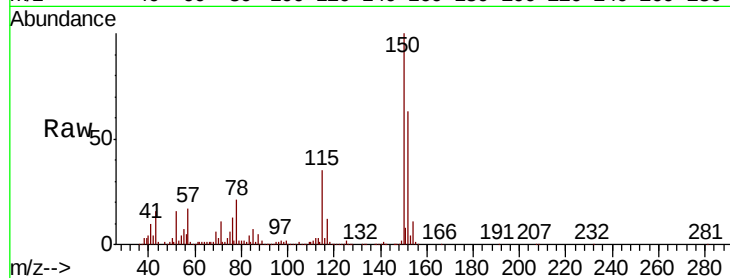
Tot Ion:152 Resp: 213601

Ion Ratio Lower Upper

152 100

115 58.2 27.0 81.0

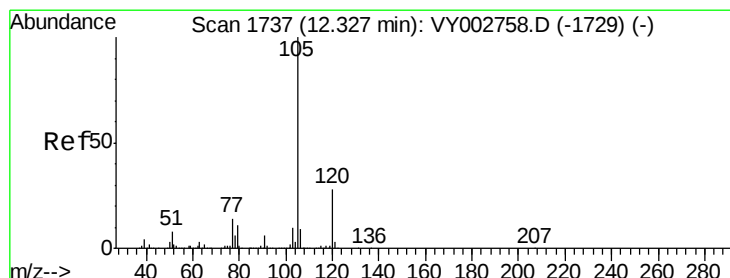
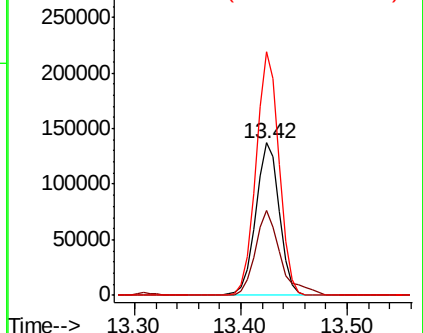
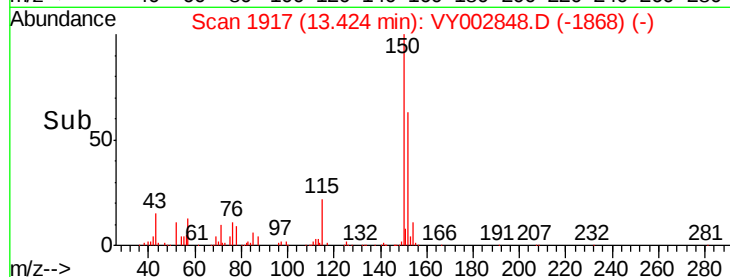
150 154.9 0.0 344.8



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: 4.123 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002848.D

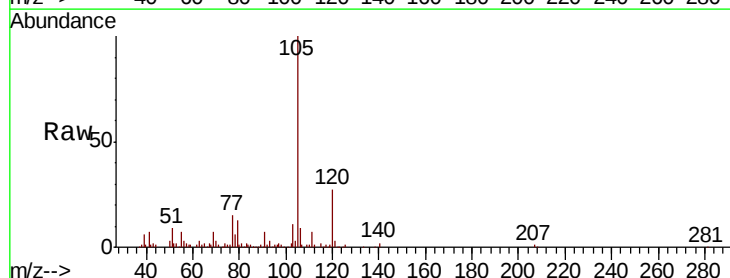
Acq: 05 Jun 2020 15:02

Tgt Ion:105 Resp: 56433

Ion Ratio Lower Upper

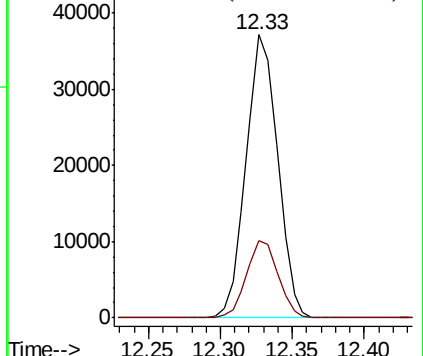
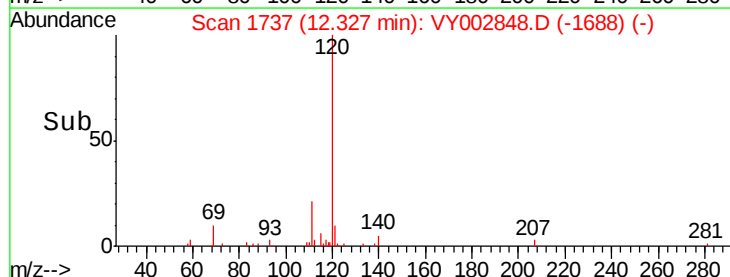
105 100

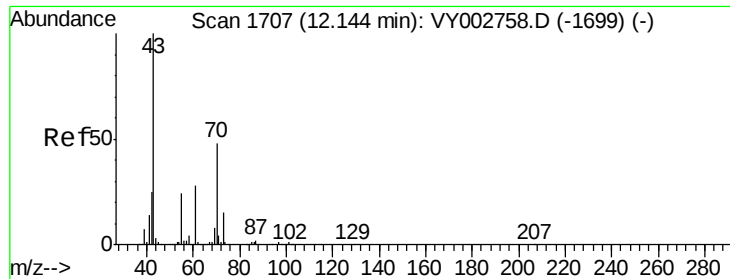
120 27.3 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

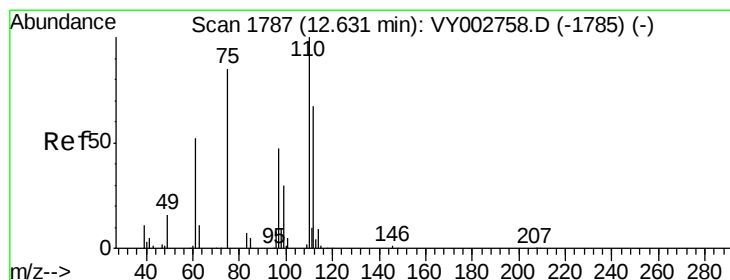
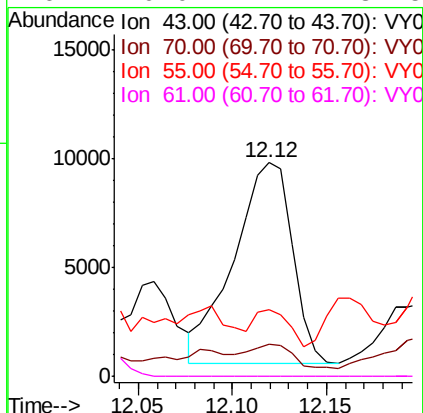
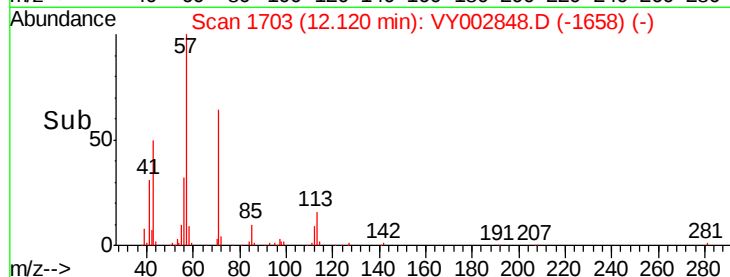
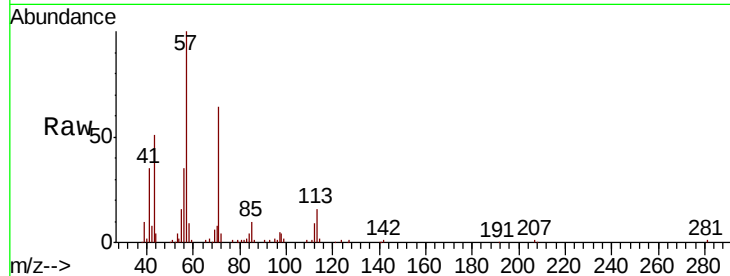




#74  
N-amvl acetate  
Concen: 5.642 ug/l  
RT: 12.12 min Scan# 1703  
Delta R.T. -0.02 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

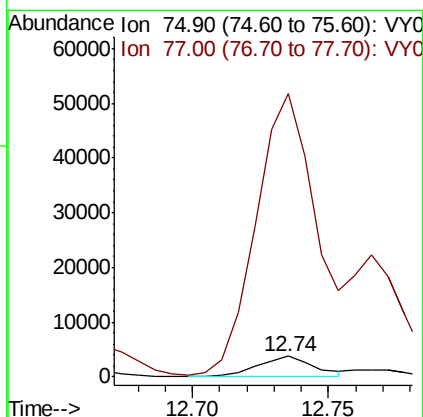
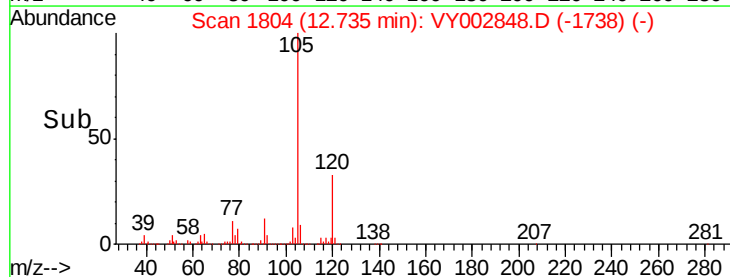
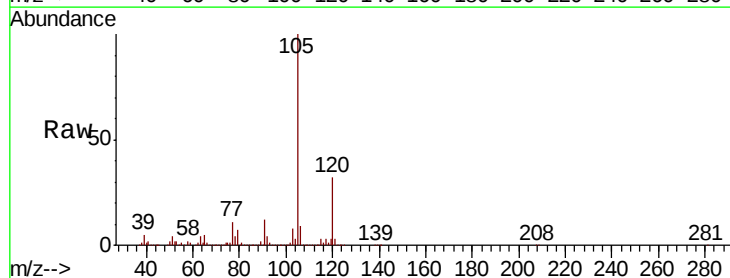
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S39-HSVE3-IDW01

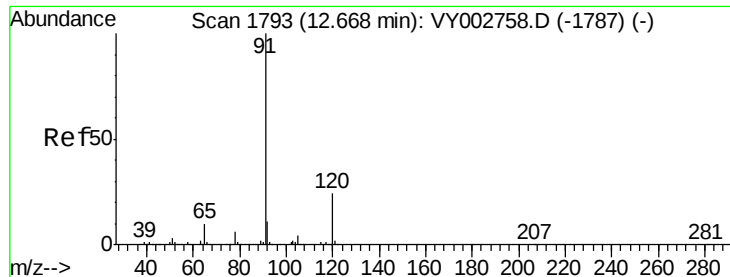
| Tot Ion   | 43    | 70    | 55    | 61    |
|-----------|-------|-------|-------|-------|
| Resp:     | 19816 |       |       |       |
| Ion Ratio | 100   | 9.2   | 10.4  | 0.0   |
| Lower     |       | 37.7  | 19.8  | 21.7  |
| Upper     |       | 56.5# | 29.6# | 32.5# |



#76  
1,2,3-Trichloropropane  
Concen: 2.857 ug/l  
RT: 12.74 min Scan# 1804  
Delta R.T. 0.10 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

| Tgt Ion   | 75   | 77     |
|-----------|------|--------|
| Resp:     | 5498 |        |
| Ion Ratio | 100  | 1434.1 |
| Lower     |      | 0.0    |
| Upper     |      | 0.0#   |





#78

n-propylbenzene

Concen: 13.312 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

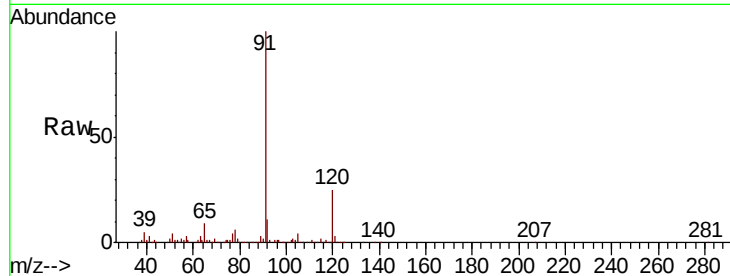
S39-HSVE3-IDW01

Tot Ion: 91 Resp: 210489

Ion Ratio Lower Upper

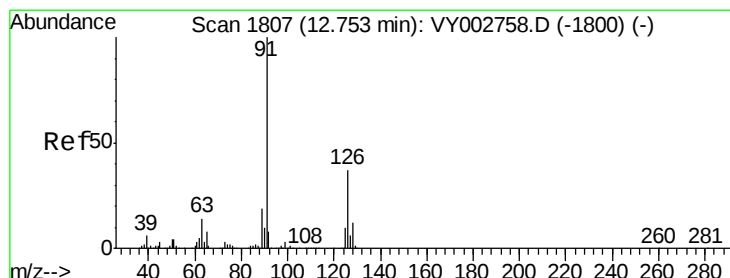
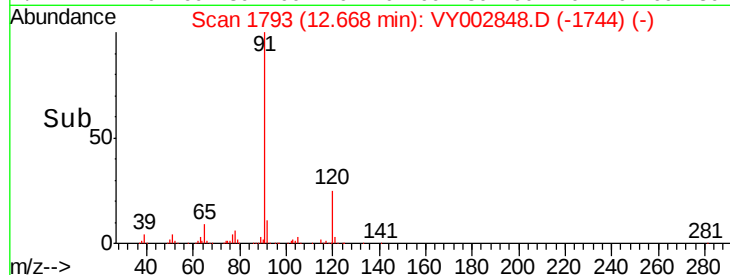
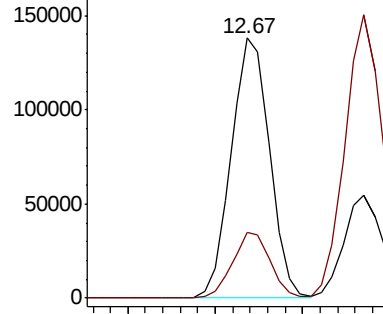
91 100

120 24.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 9.195 ug/l

RT: 12.74 min Scan# 1804

Delta R.T. -0.02 min

Lab File: VY002848.D

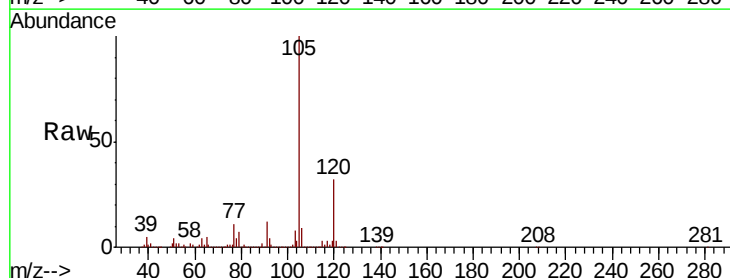
Acq: 05 Jun 2020 15:02

Tgt Ion: 91 Resp: 81557

Ion Ratio Lower Upper

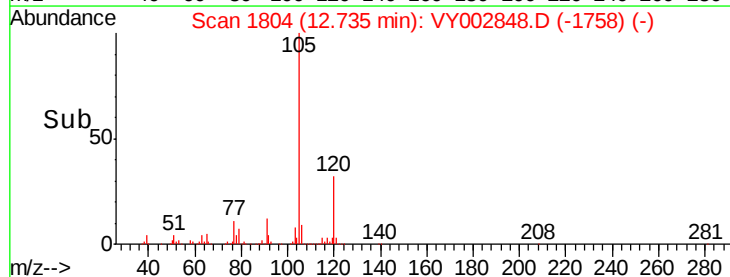
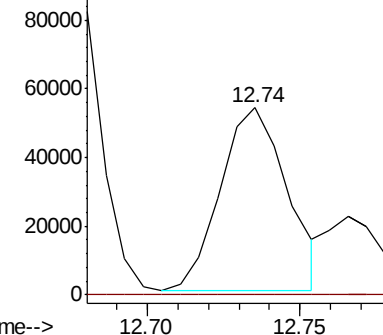
91 100

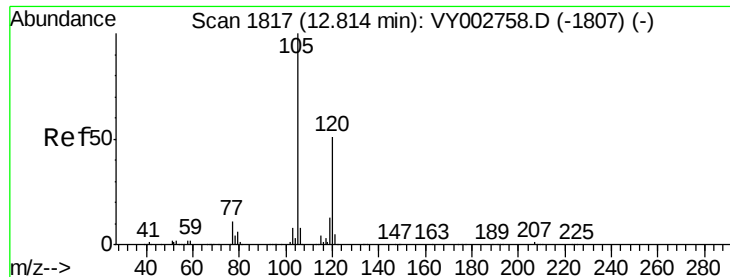
126 0.2 18.4 55.4#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 28.548 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

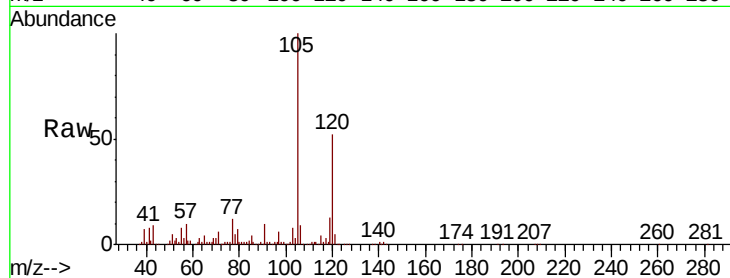
S39-HSVE3-IDW01

Tot Ion:105 Resp: 326280

Ion Ratio Lower Upper

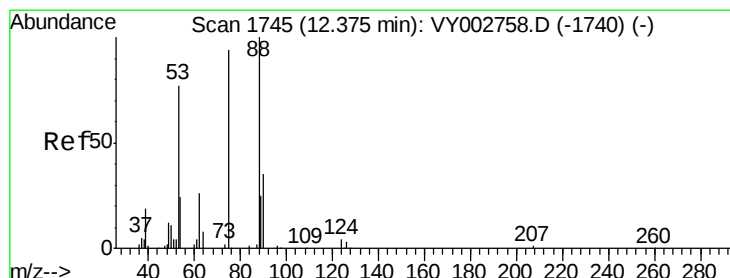
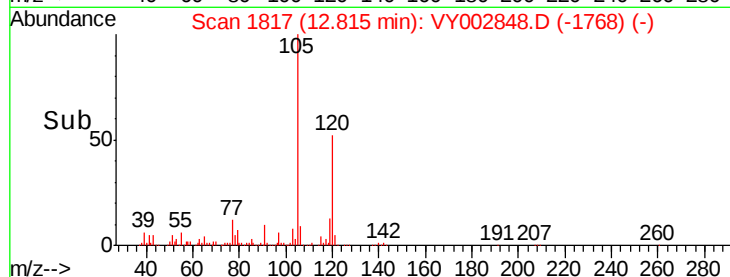
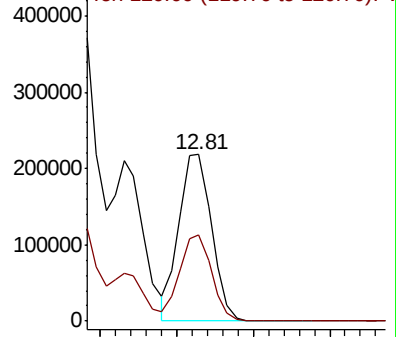
105 100

120 50.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 84.162 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

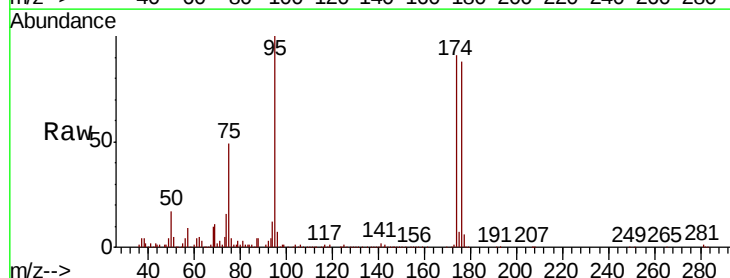
Tgt Ion: 75 Resp: 85980

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

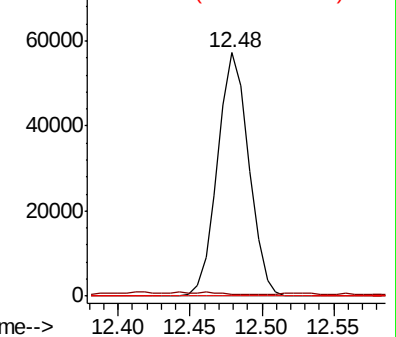
89 0.0 37.4 56.2#

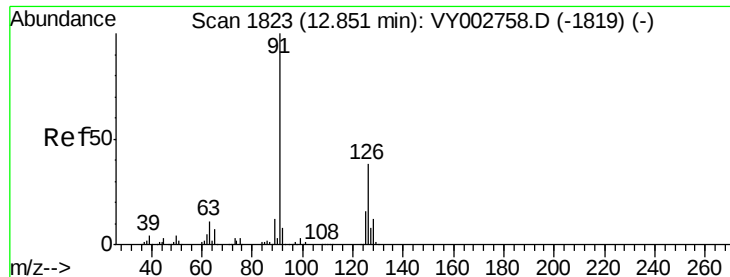


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#82

4-Chlorotoluene

Concen: 3.637 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.04 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

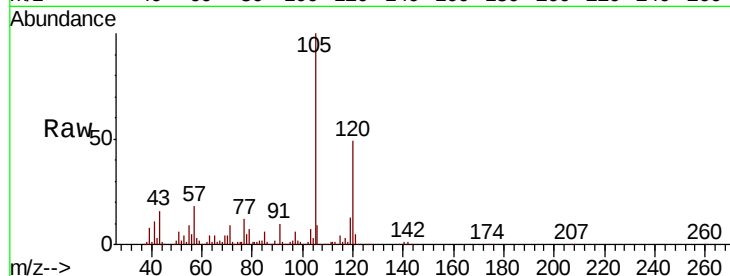
S39-HSVE3-IDW01

Tot Ion: 91 Resp: 33794

Ion Ratio Lower Upper

91 100

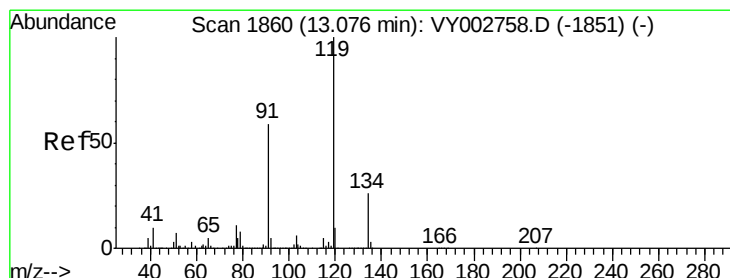
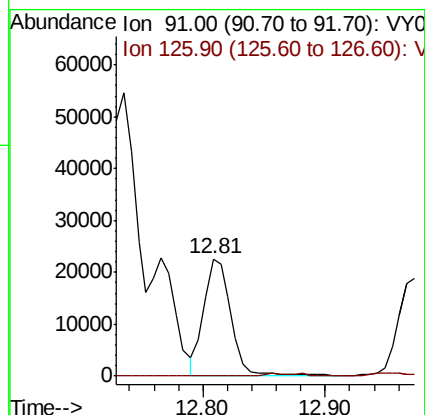
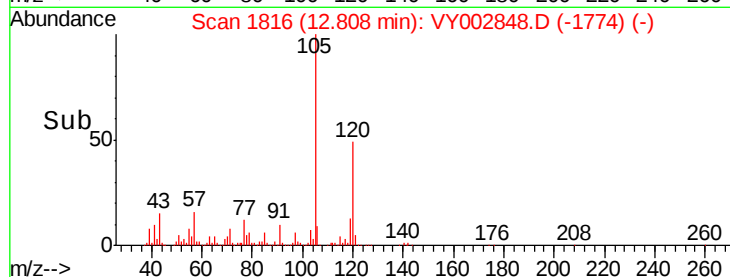
126 1.3 18.5 55.5#



Abundance Ion 91.00 (90.70 to 91.70): VY002758.D (-1819) (-)

Ion 125.90 (125.60 to 126.60): VY002758.D (-1819) (-)

Time-->



#83

tert-Butylbenzene

Concen: 14.646 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.04 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

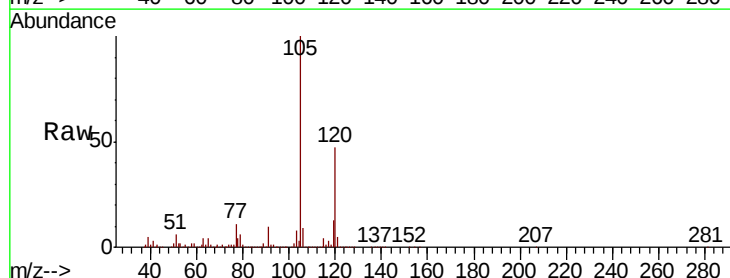
Tgt Ion: 119 Resp: 149317

Ion Ratio Lower Upper

119 100

91 80.8 29.8 89.4

134 0.0 13.3 39.8#

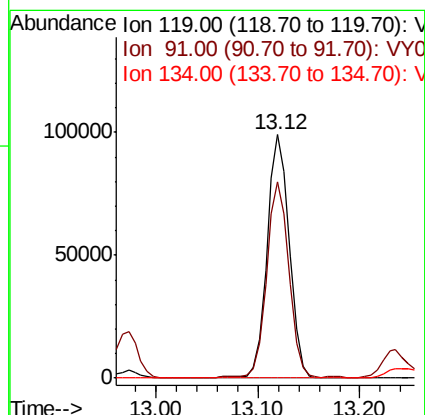
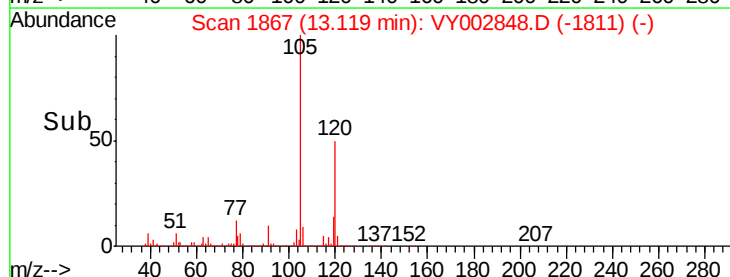


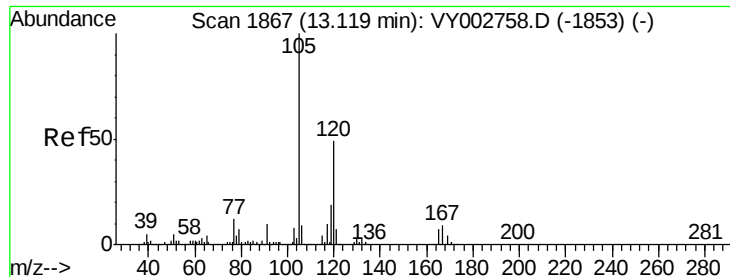
Abundance Ion 119.00 (118.70 to 119.70): VY002758.D (-1851) (-)

Ion 91.00 (90.70 to 91.70): VY002758.D (-1851) (-)

Ion 134.00 (133.70 to 134.70): VY002758.D (-1851) (-)

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 102.307 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

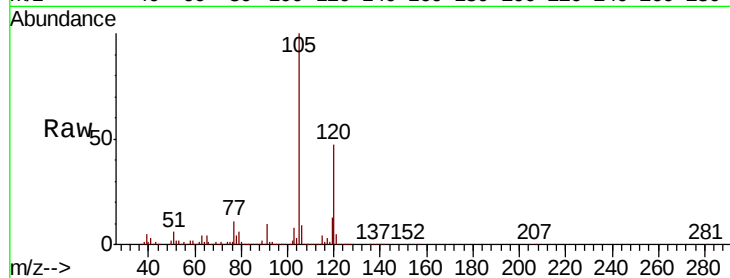
S39-HSVE3-IDW01

Tot Ion:105 Resp: 1175731

Ion Ratio Lower Upper

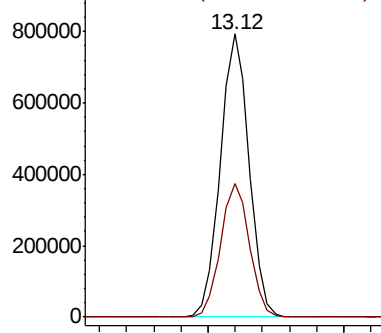
105 100

120 47.4 23.6 70.8

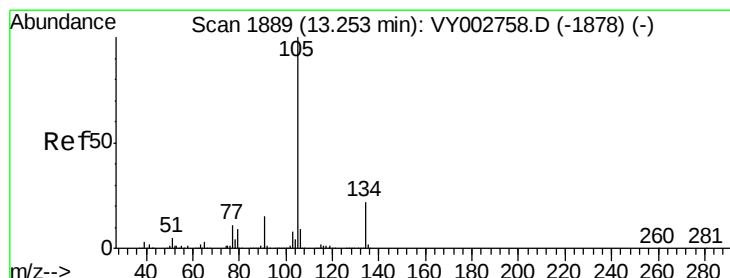
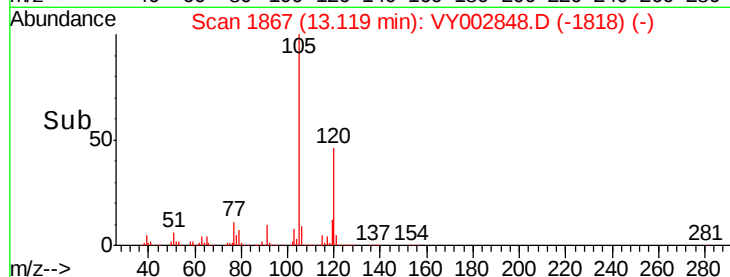


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#85

sec-Butylbenzene

Concen: 84.344 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.13 min

Lab File: VY002848.D

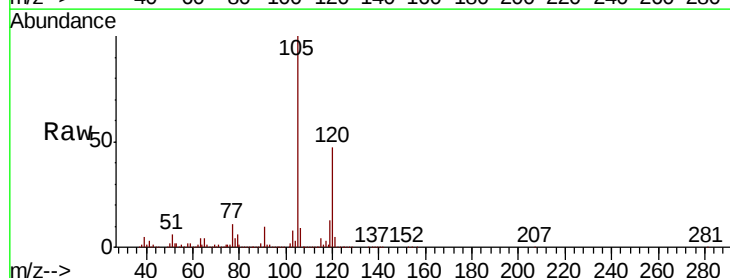
Acq: 05 Jun 2020 15:02

Tgt Ion:105 Resp: 1175731

Ion Ratio Lower Upper

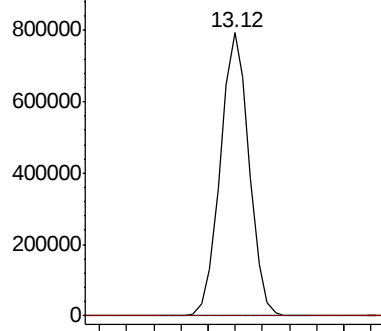
105 100

134 0.0 10.8 32.4#

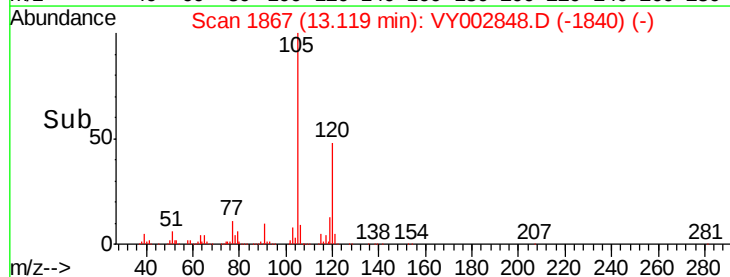


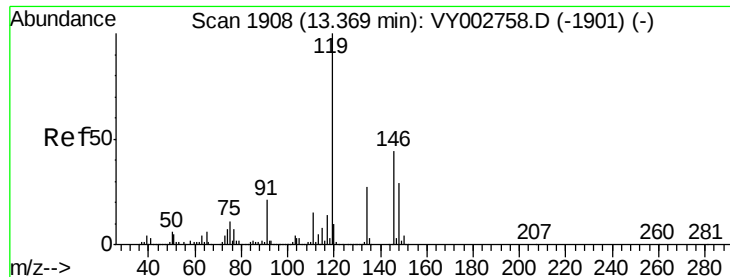
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->

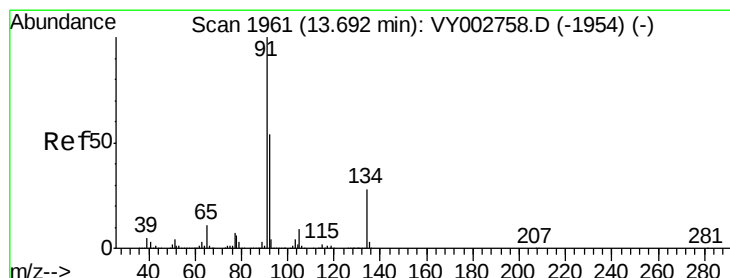
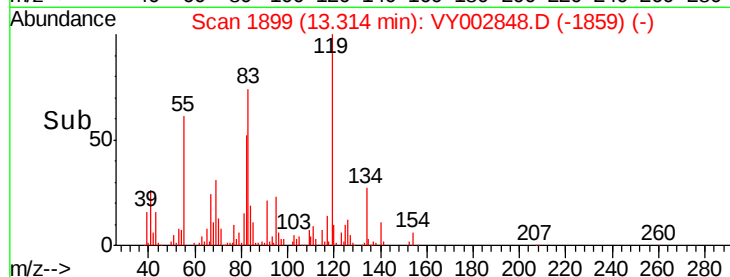
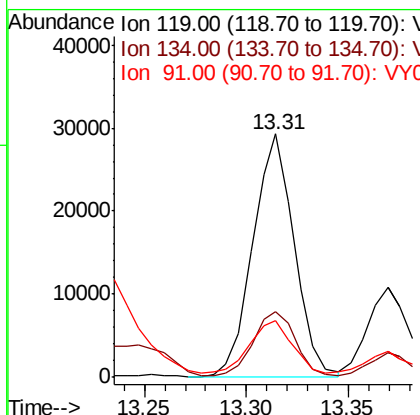
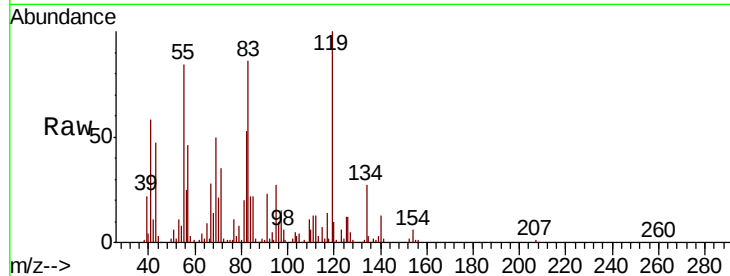




#86  
 p-Isopropyltoluene  
 Concen: 3.165 ug/l  
 RT: 13.31 min Scan# 1899  
 Delta R.T. -0.05 min  
 Lab File: VY002848.D  
 Acq: 05 Jun 2020 15:02

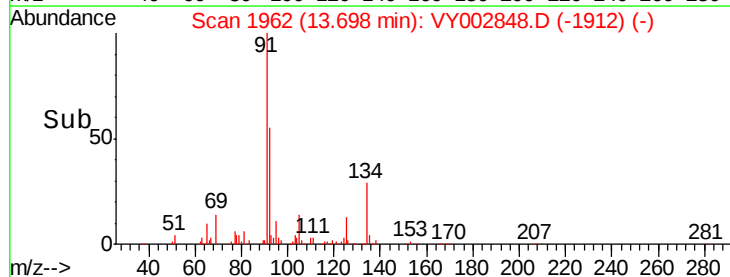
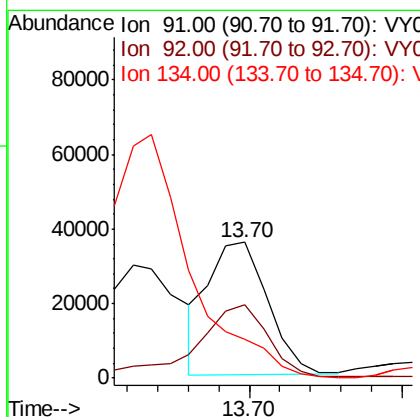
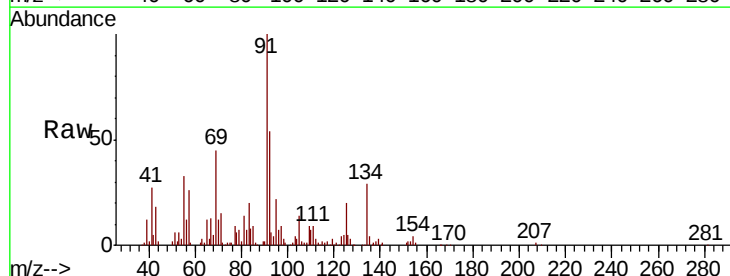
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S39-HSVE3-IDW01

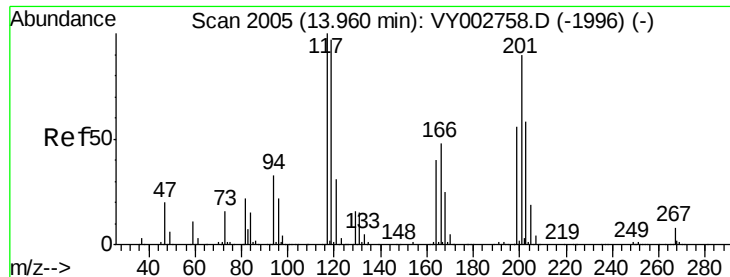
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 28.2  | 13.7  | 41.0  |
| 91      | 21.6  | 10.8  | 32.4  |



#89  
 n-Butylbenzene  
 Concen: 4.045 ug/l  
 RT: 13.70 min Scan# 1962  
 Delta R.T. 0.01 min  
 Lab File: VY002848.D  
 Acq: 05 Jun 2020 15:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 66.9  | 27.1  | 81.2  |
| 134     | 0.0   | 14.3  | 42.9  |





#90

Hexachloroethane

Concen: 9.351 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

Instrument :

MSVOA\_Y

ClientSampleId :

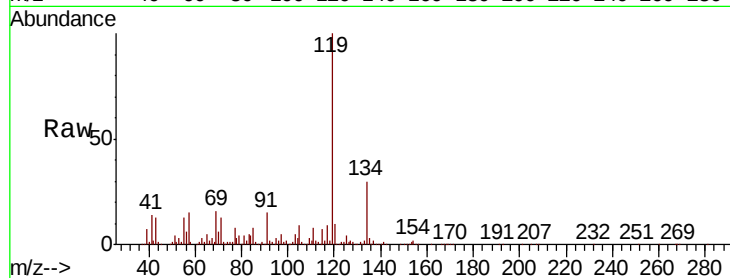
S39-HSVE3-IDW01

Tot Ion:117 Resp: 22707

Ion Ratio Lower Upper

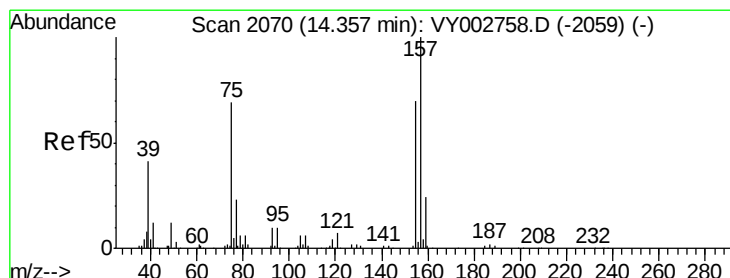
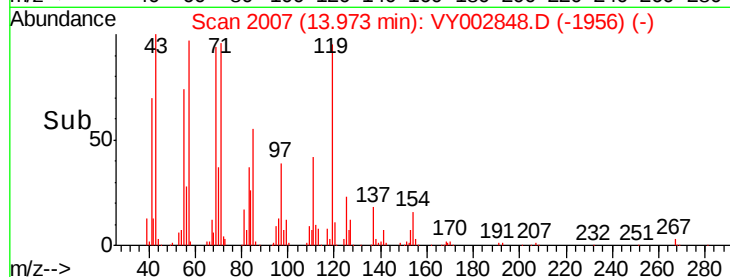
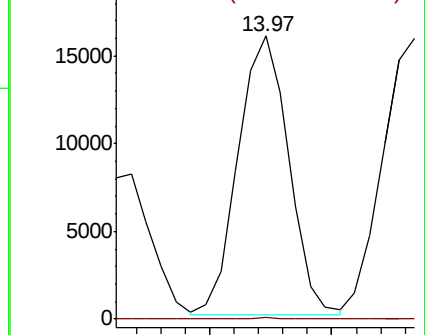
117 100

201 0.2 43.9 131.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.203 ug/l

RT: 14.34 min Scan# 2067

Delta R.T. -0.02 min

Lab File: VY002848.D

Acq: 05 Jun 2020 15:02

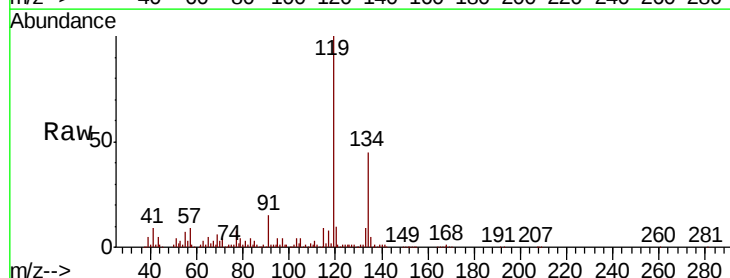
Tgt Ion: 75 Resp: 1480

Ion Ratio Lower Upper

75 100

155 66.1 53.5 160.5

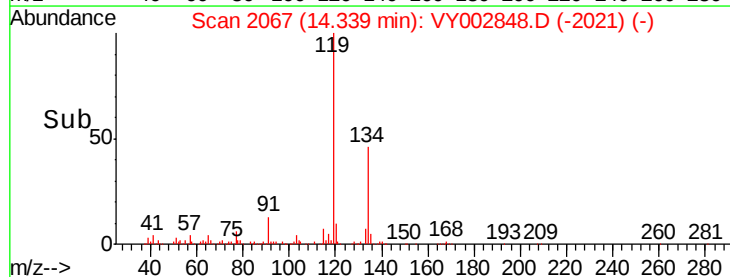
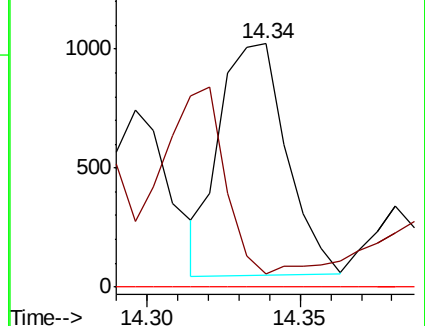
157 0.0 69.9 209.7#

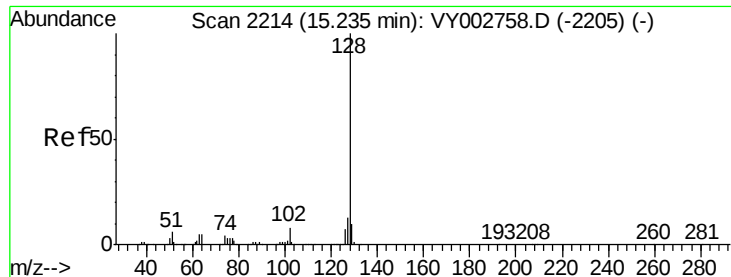


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

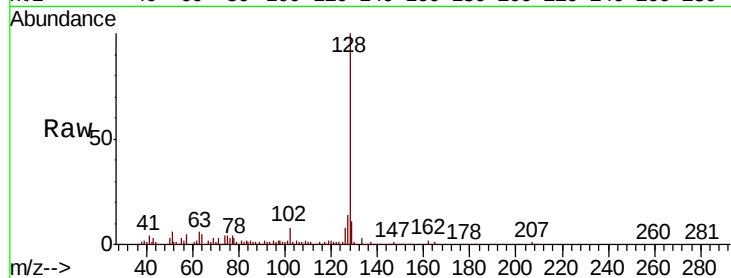




#95  
Naphthalene  
Concen: 13.459 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: VY002848.D  
Acq: 05 Jun 2020 15:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S39-HSVE3-IDW01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.6  | 10.3  | 15.5  |
| 129     | 10.7  | 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

