

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\  
 Data File : VW007830.D  
 Acq On : 22 Dec 2018 09:15  
 Operator : SY/AP  
 Sample : J6426-11  
 Misc : 5.22G/5ML/MSVOA W/SOIL  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS013A-3036-01

Manual Integrations  
 APPROVED

MMDadoda  
 12/26/2018 11:00:48 AM

Quant Time: Dec 25 01:25:47 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 06:30:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 40625    | 50.00 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 78840    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 32332    | 50.00 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 7171     | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 28880    | 64.86 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 129.72% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 25098    | 52.18 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 104.36% |          |
| 50) Toluene-d8              | 10.37 | 98   | 50304    | 27.74 | ug/l    | 0.04     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 55.48%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 10509    | 15.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 30.00%  |          |

| Target Compounds           | R.T.  | QIon | Response  | Conc      | Units  | Qvalue |
|----------------------------|-------|------|-----------|-----------|--------|--------|
| 16) Acetone                | 4.12  | 43   | 36752     | 440.773   | ug/l   | 96     |
| 25) 2-Butanone             | 7.17  | 43   | 20869     | 213.683   | ug/l # | 73     |
| 27) cis-1,2-Dichloroethene | 7.18  | 96   | 37244     | 79.302    | ug/l   | 94     |
| 31) Cyclohexane            | 7.96  | 56   | 340027    | 512.989   | ug/l   | 94     |
| 39) Methylcyclohexane      | 9.35  | 83   | 643950    | 681.026   | ug/l   | 98     |
| 40) Benzene                | 8.33  | 78   | 29906     | 14.728    | ug/l   | 99     |
| 52) Toluene                | 10.40 | 92   | 47999454m | 35232.071 | ug/l   |        |
| 64) Tetrachloroethene      | 10.88 | 164  | 1349      | 5.892     | ug/l # | 85     |
| 65) Chlorobenzene          | 11.67 | 112  | 769145    | 1099.089  | ug/l   | 98     |
| 67) Ethyl Benzene          | 11.74 | 91   | 40391511m | 33635.547 | ug/l   |        |
| 68) m/p-Xylenes            | 11.89 | 106  | 40997347m | 88009.189 | ug/l   |        |
| 69) o-Xylene               | 12.19 | 106  | 21203328  | 48558.409 | ug/l # | 1      |
| 73) Isopropylbenzene       | 12.48 | 105  | 1226135   | 2262.043  | ug/l   | 100    |
| 78) n-propylbenzene        | 12.82 | 91   | 1729706   | 2741.308  | ug/l   | 99     |
| 80) 1,3,5-Trimethylbenzene | 12.96 | 105  | 1687748   | 3609.731  | ug/l   | 99     |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105  | 5029318   | 10660.097 | ug/l   | 99     |
| 85) sec-Butylbenzene       | 13.39 | 105  | 84174m    | 148.878   | ug/l   |        |
| 86) p-Isopropyltoluene     | 13.51 | 119  | 885435    | 1722.244  | ug/l   | 99     |
| 87) 1,3-Dichlorobenzene    | 13.51 | 146  | 191147    | 774.992   | ug/l   | 99     |
| 88) 1,4-Dichlorobenzene    | 13.58 | 146  | 1197461   | 4853.595  | ug/l   | 99     |
| 89) n-Butylbenzene         | 13.83 | 91   | 100239    | 212.649   | ug/l # | 77     |
| 91) 1,2-Dichlorobenzene    | 13.88 | 146  | 427693    | 1936.750  | ug/l   | 98     |
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 667971    | 4357.591  | ug/l   | 98     |
| 95) Naphthalene            | 15.38 | 128  | 2492477   | 8794.729  | ug/l   | 99     |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 342761    | 2612.195  | ug/l   | 98     |

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

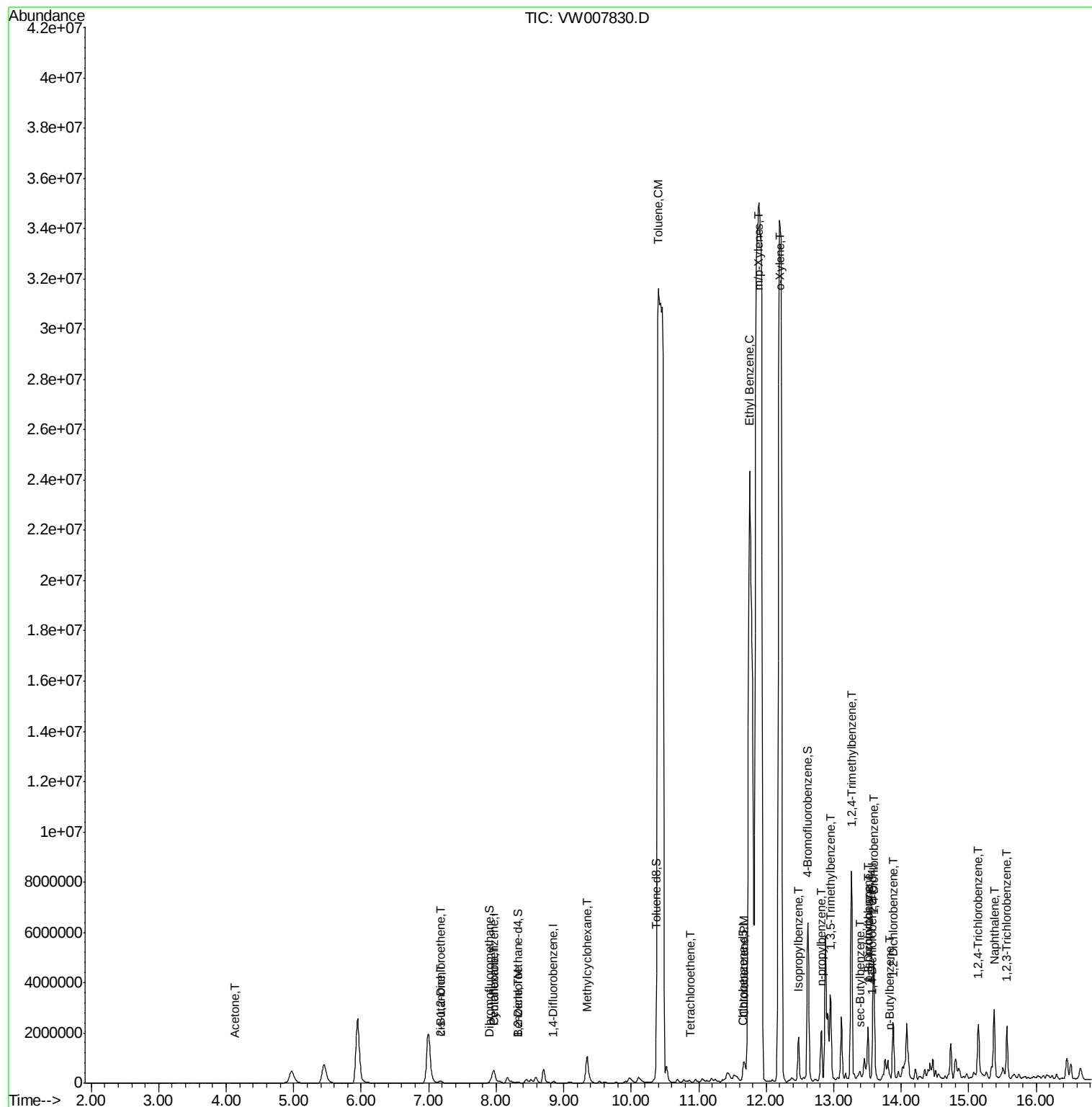
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\  
Data File : VW007830.D  
Acq On : 22 Dec 2018 09:15  
Operator : SY/AP  
Sample : J6426-11  
Misc : 5.22G/5ML/MSVOA W/SOIL  
ALS Vial : 41 Sample Multiplier: 1

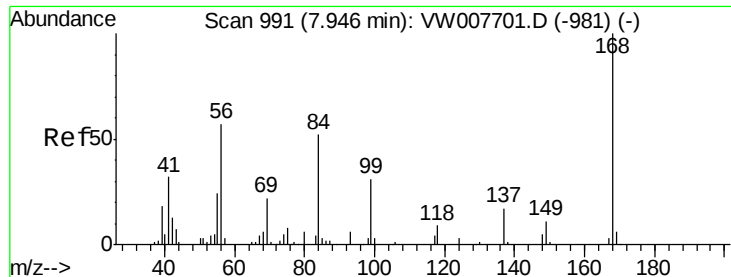
Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-SS013A-3036-01

Manual Integrations  
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MMDadoda  
12/26/2018 11:00:48 AM

Quant Time: Dec 25 01:25:47 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 20 06:30:23 2018  
Response via : Initial Calibration





#1

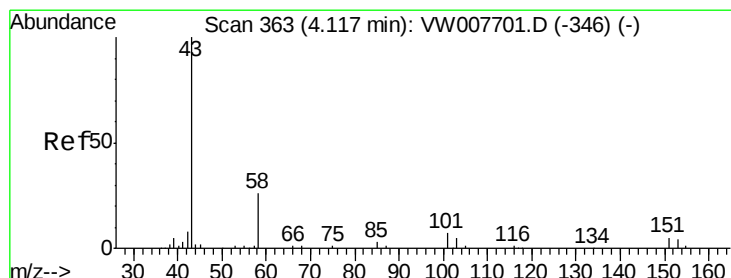
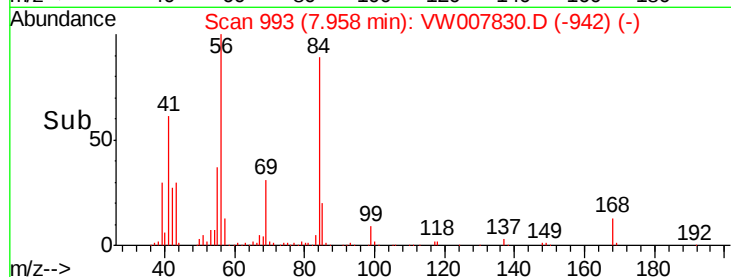
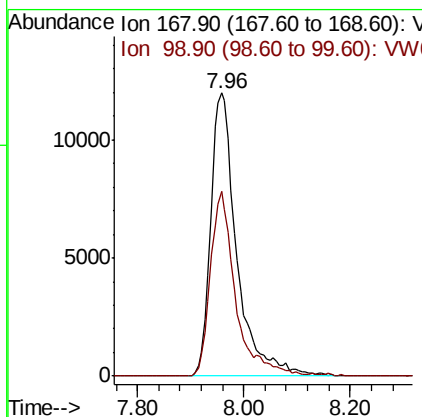
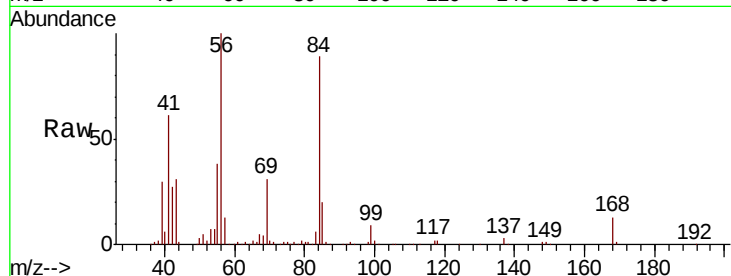
Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.96 min Scan# 993  
 Delta R.T. 0.01 min  
 Lab File: VW007830.D  
 Acq: 22 Dec 2018 09:15

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS013A-3036-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 65.2  | 54.0  | 81.0  |

Manual Integrations  
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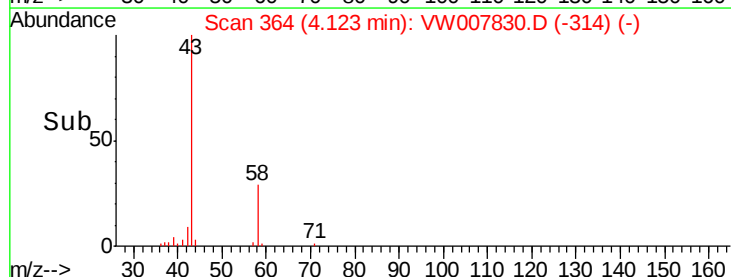
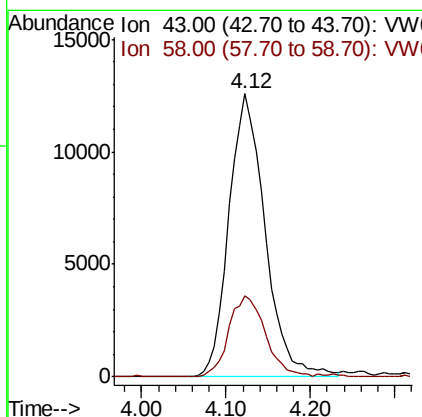
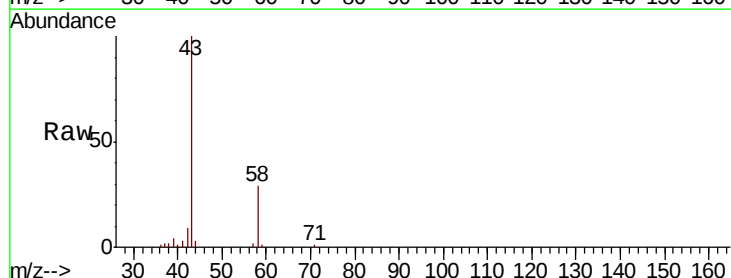
MMDadoda  
 12/26/2018 11:00:48 AM

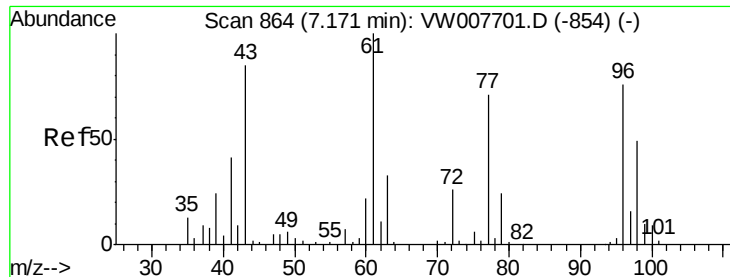


#16

Acetone  
 Concen: 440.773 ug/l  
 RT: 4.12 min Scan# 364  
 Delta R.T. 0.01 min  
 Lab File: VW007830.D  
 Acq: 22 Dec 2018 09:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 28.6  | 21.2  | 31.8  |





#25

2-Butanone

Concen: 213.683 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA\_W

ClientSampleId :

P001-SS013A-3036-01

Tot Ion: 43 Resp: 20869

Ion Ratio Lower Upper

43 100

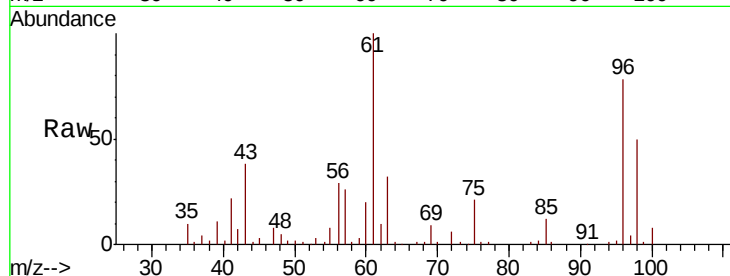
72 15.8 24.5 36.7#

Manual Integrations

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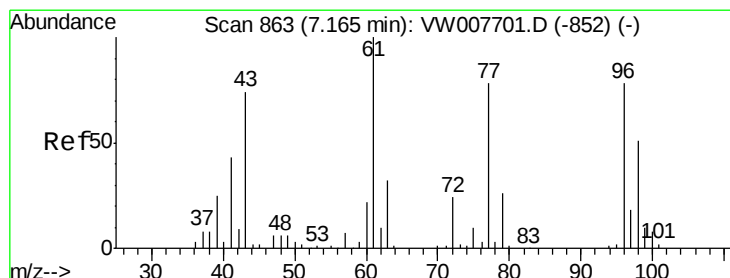
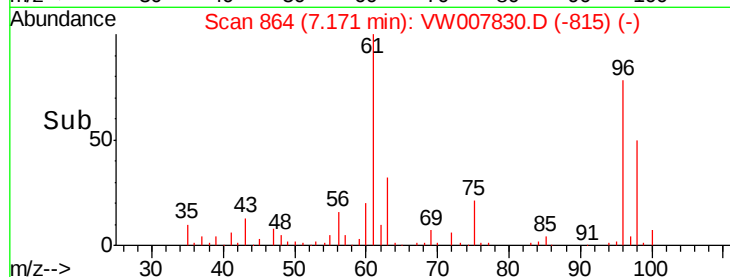
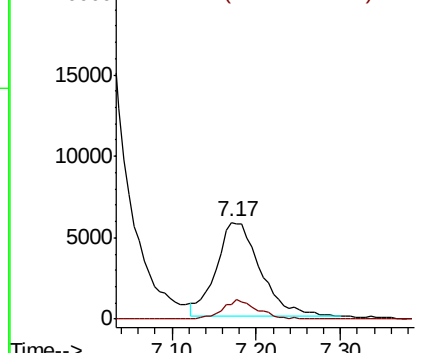
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#27

cis-1,2-Dichloroethene

Concen: 79.302 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

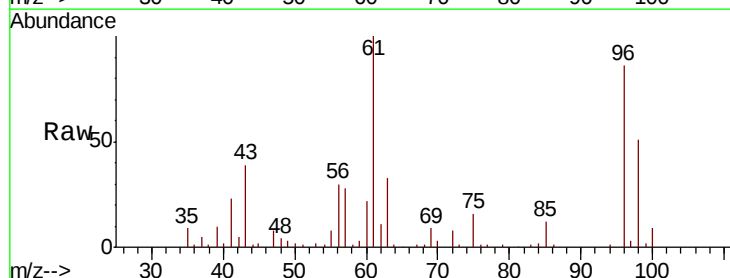
Tgt Ion: 96 Resp: 37244

Ion Ratio Lower Upper

96 100

61 125.1 0.0 271.6

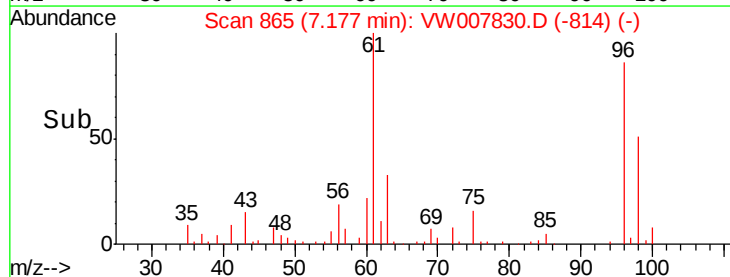
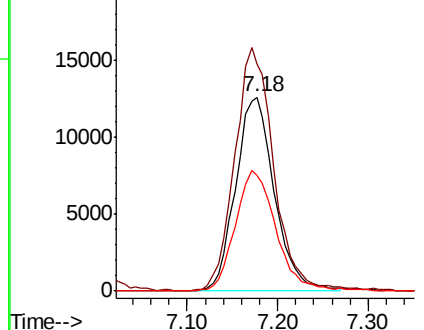
98 65.6 0.0 131.2

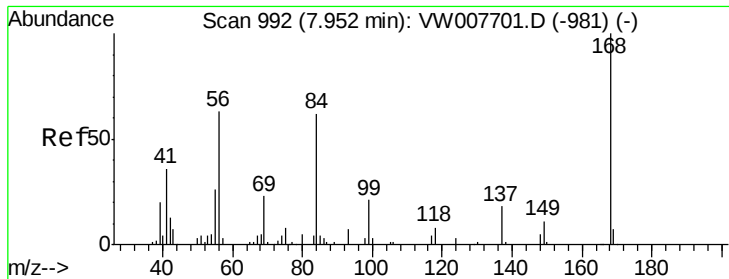


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





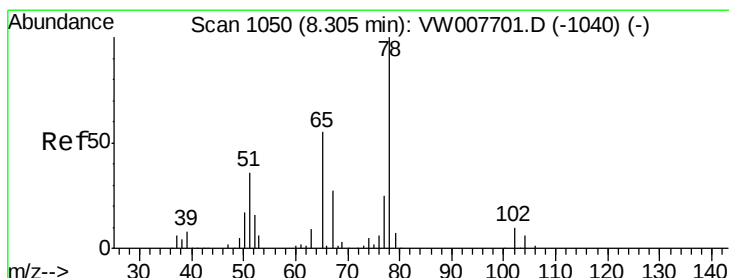
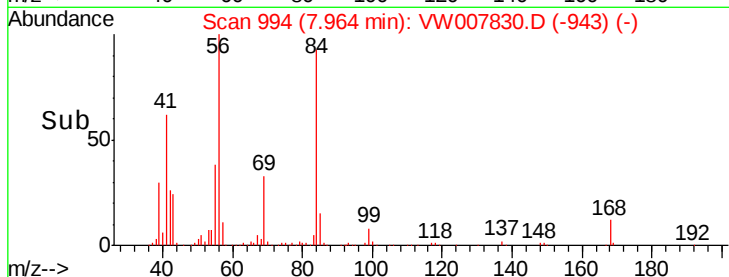
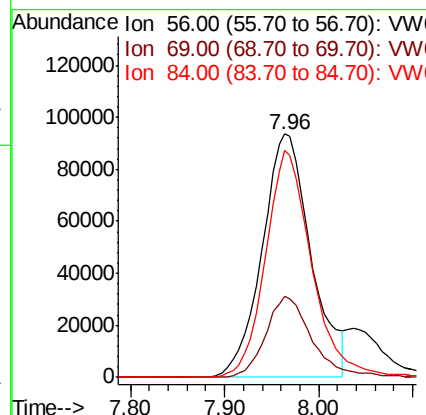
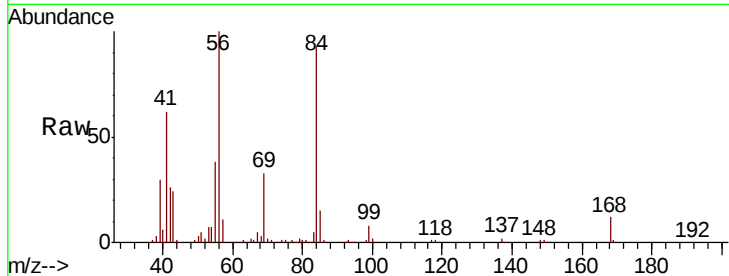
#31  
Cyclohexane  
Concen: 512.989 ug/l  
RT: 7.96 min Scan# 994  
Delta R.T. 0.01 min  
Lab File: VW007830.D  
Acq: 22 Dec 2018 09:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-SS013A-3036-01

| Tot Ion | 56    | Resp  | 340027 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 56      | 100   |       |        |
| 69      | 33.0  | 29.7  | 44.5   |
| 84      | 93.0  | 78.9  | 118.3  |

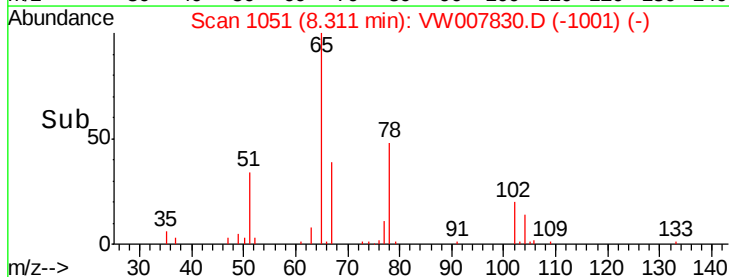
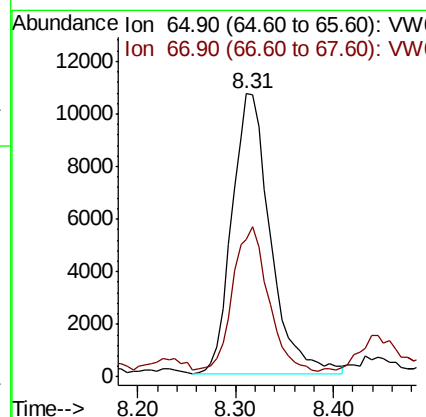
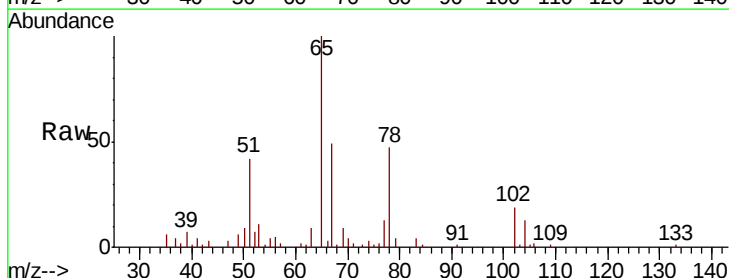
Manual Integrations  
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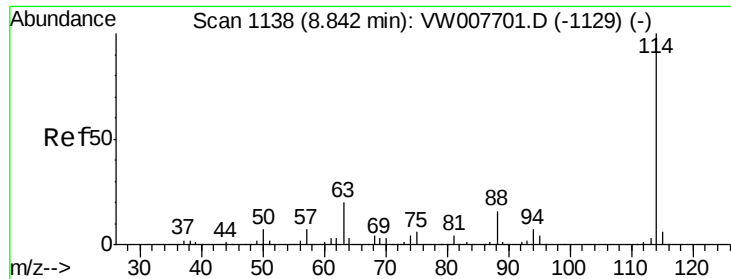
MMDadoda  
12/26/2018 11:00:48 AM



#33  
1,2-Dichloroethane-d4  
Concen: 64.860 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. 0.01 min  
Lab File: VW007830.D  
Acq: 22 Dec 2018 09:15

| Tgt Ion | 65    | Resp  | 28880 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 65      | 100   |       |       |
| 67      | 47.8  | 0.0   | 100.6 |





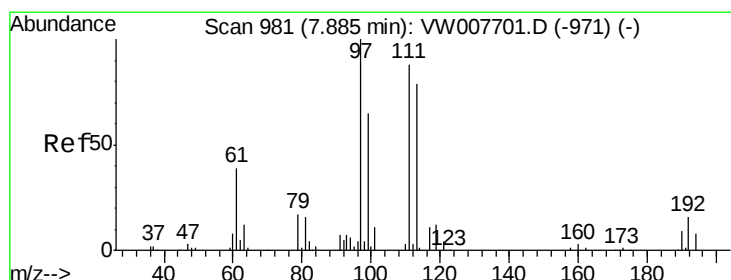
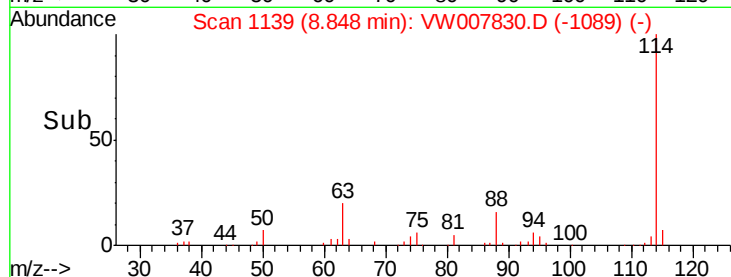
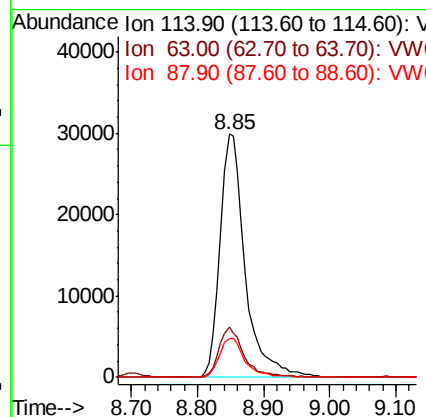
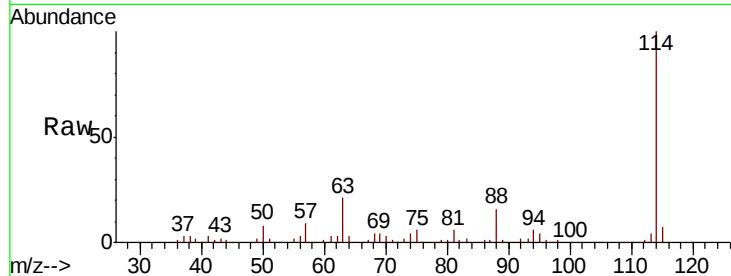
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VW007830.D  
 Acq: 22 Dec 2018 09:15

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS013A-3036-01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 114     | 100   | 78840 |       |       |
| 63      | 20.7  |       | 0.0   | 40.0  |
| 88      | 15.7  |       | 0.0   | 32.6  |

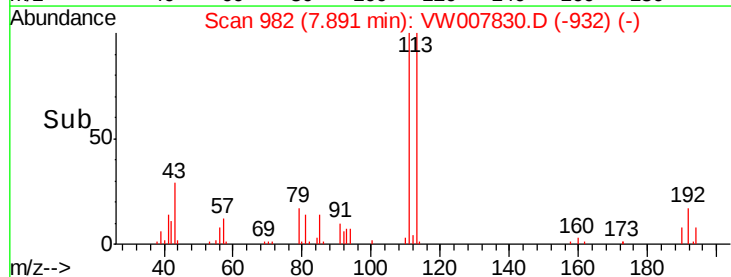
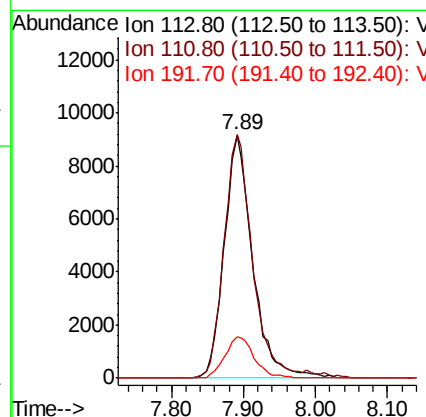
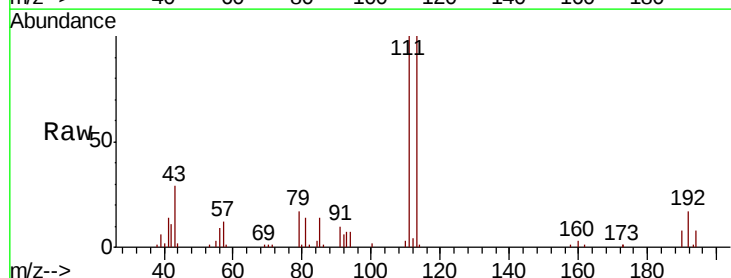
Manual Integrations  
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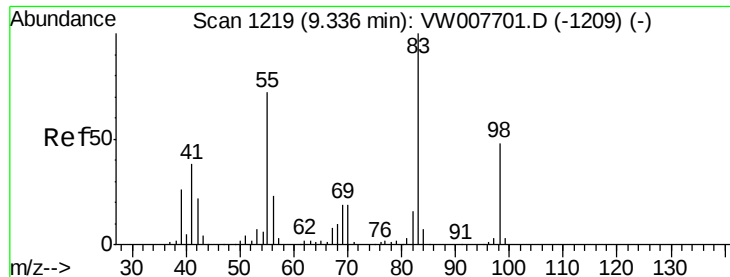
MMDadoda  
 12/26/2018 11:00:48 AM



#35  
 Dibromofluoromethane  
 Concen: 52.183 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.01 min  
 Lab File: VW007830.D  
 Acq: 22 Dec 2018 09:15

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 25098 |       |       |
| 111     | 100.9 |       | 82.6  | 124.0 |
| 192     | 17.4  |       | 15.5  | 23.3  |





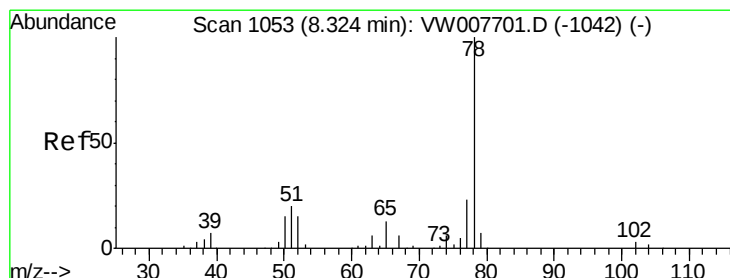
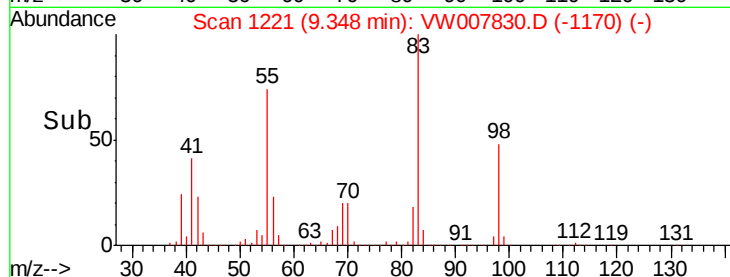
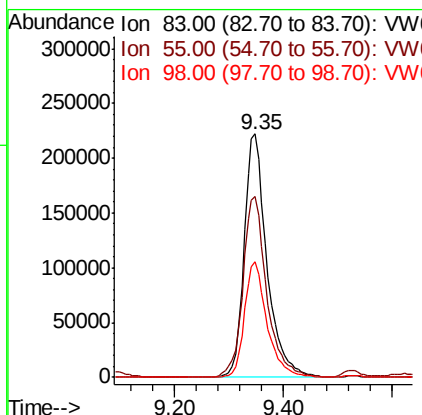
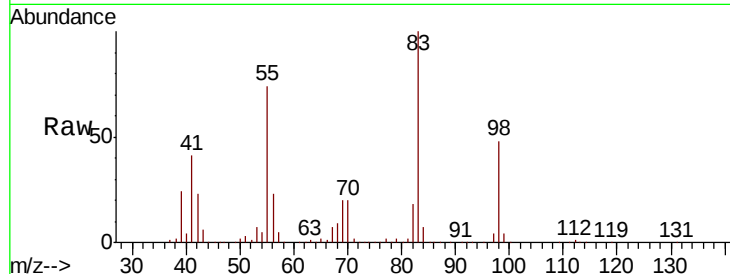
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Methvlcvclohexane  
Concen: 681.026 ug/l  
RT: 9.35 min Scan# 1221  
Delta R.T. 0.01 min  
Lab File: VW007830.D  
Acq: 22 Dec 2018 09:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-SS013A-3036-01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 643950 |       |       |
| 55      | 74.2  |        | 57.2  | 85.8  |
| 98      | 47.6  |        | 38.6  | 58.0  |

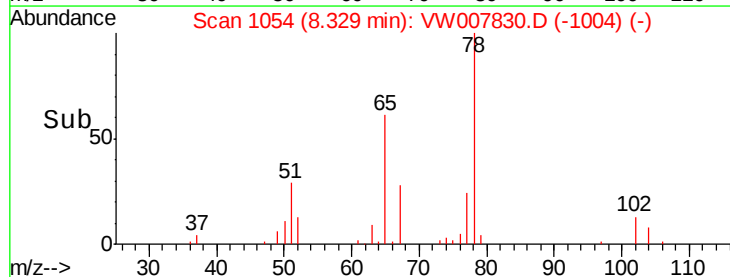
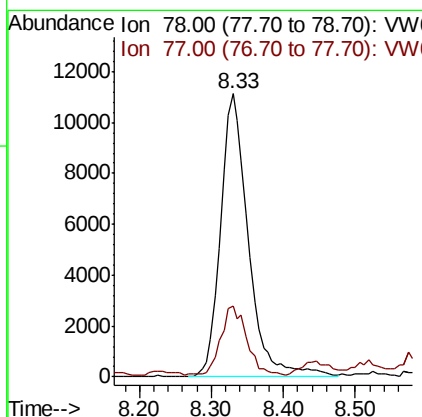
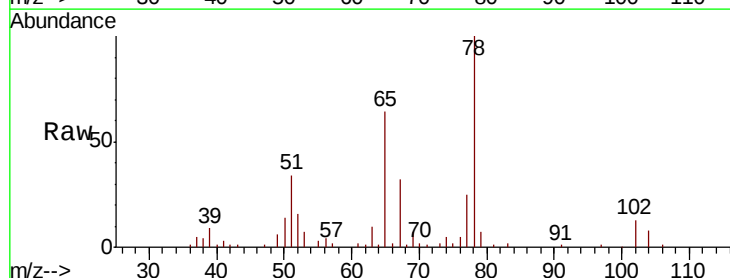
Manual Integrations  
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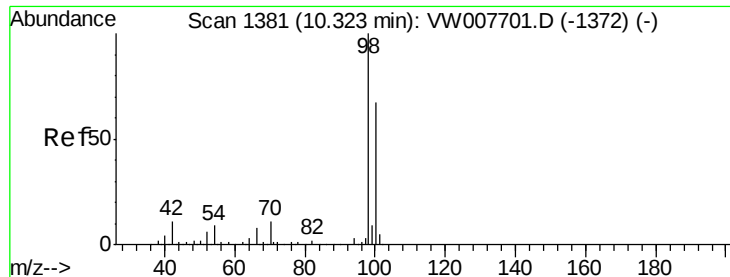
MMDadoda  
12/26/2018 11:00:48 AM



#40  
Benzene  
Concen: 14.728 ug/l  
RT: 8.33 min Scan# 1054  
Delta R.T. 0.01 min  
Lab File: VW007830.D  
Acq: 22 Dec 2018 09:15

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 78      | 100   | 29906 |       |       |
| 77      | 24.0  |       | 18.7  | 28.1  |





#50

Toluene-d8

Concen: 27.744 ug/l

RT: 10.37 min Scan# 1388

Delta R.T. 0.04 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA\_W

ClientSampleId :

P001-SS013A-3036-01

Tot Ion: 98 Resp: 50304

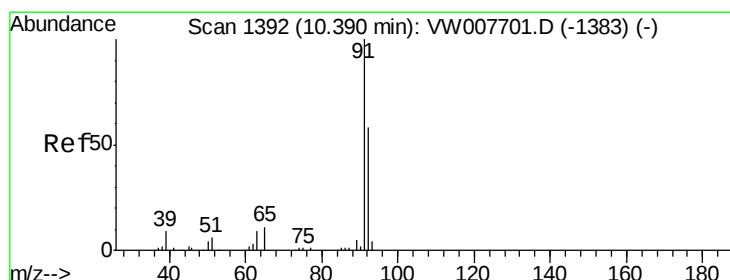
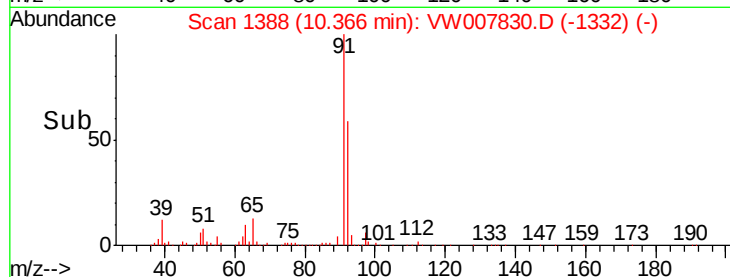
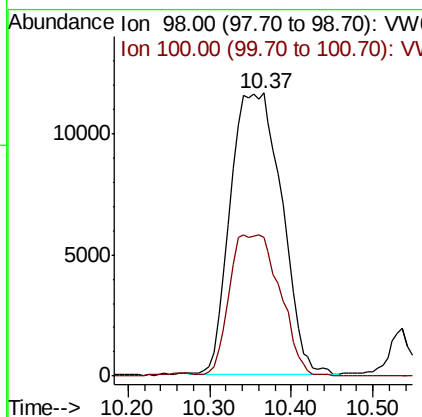
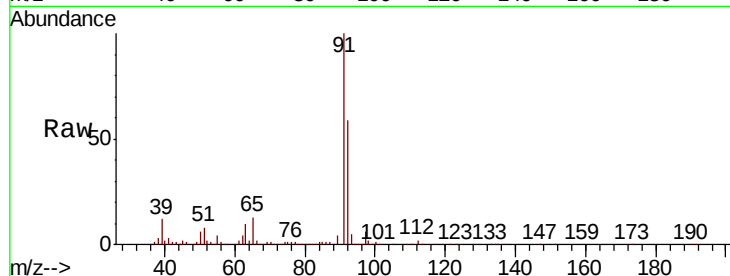
Ion Ratio Lower Upper

98 100

100 49.6 52.2 78.2#

Manual Integrations  
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12/26/2018 11:00:48 AM



#52

Toluene

Concen: 35232.071 ug/l m

RT: 10.40 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VW007830.D

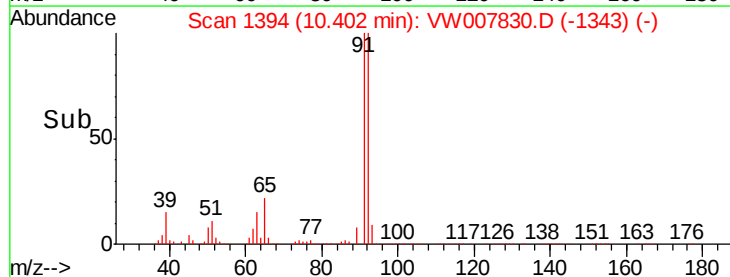
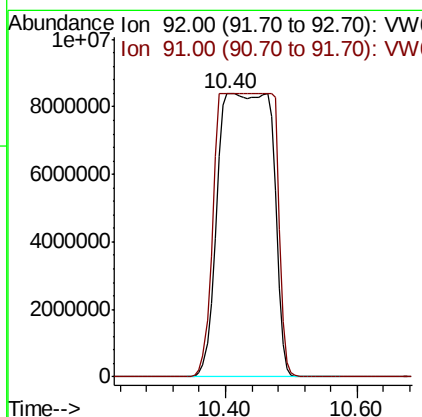
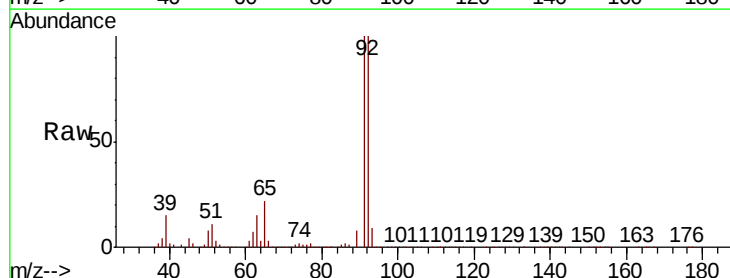
Acq: 22 Dec 2018 09:15

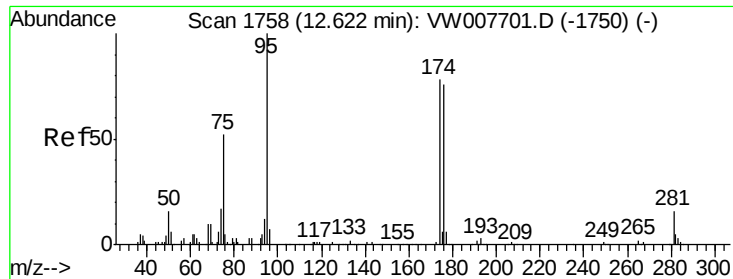
Tgt Ion: 92 Resp: 47999454

Ion Ratio Lower Upper

92 100

91 0.0 137.0 205.4#





#62

4-Bromofluorobenzene

Concen: 15.003 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA\_W

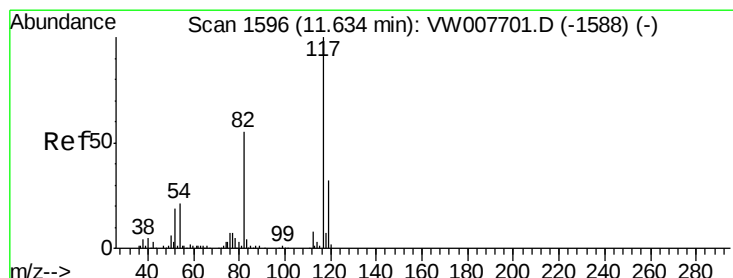
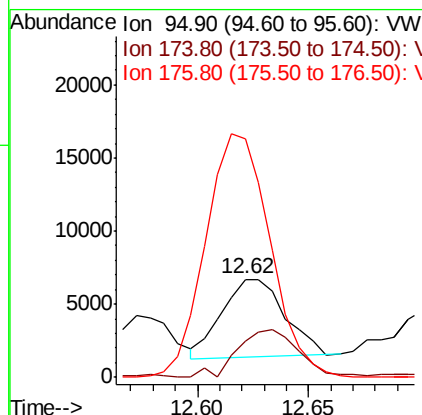
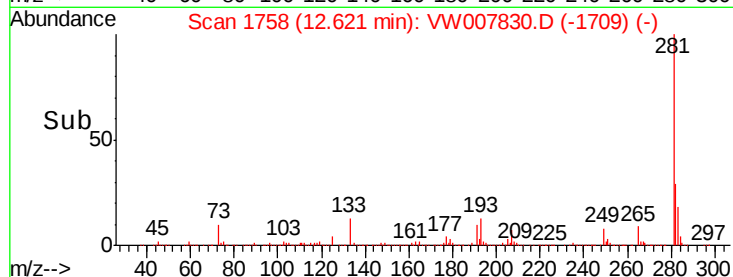
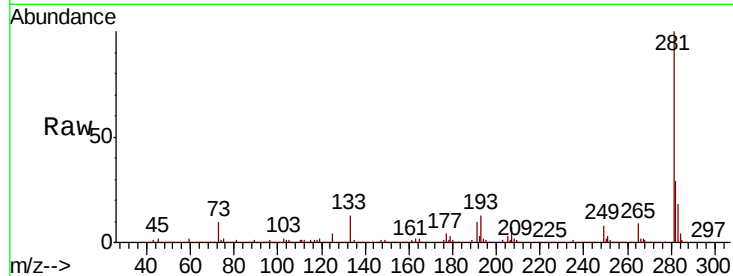
ClientSampleId :

P001-SS013A-3036-01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 95    | Resp: | 10509  |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 60.2  | 0.0   | 152.2  |
| 176       | 319.1 | 0.0   | 146.8# |

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

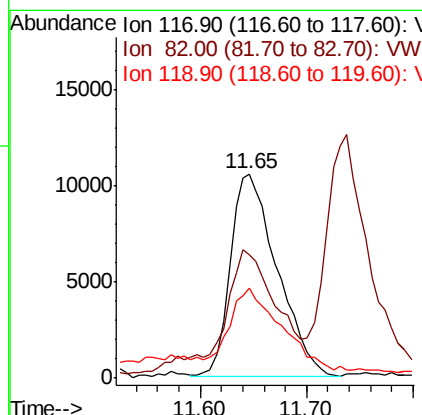
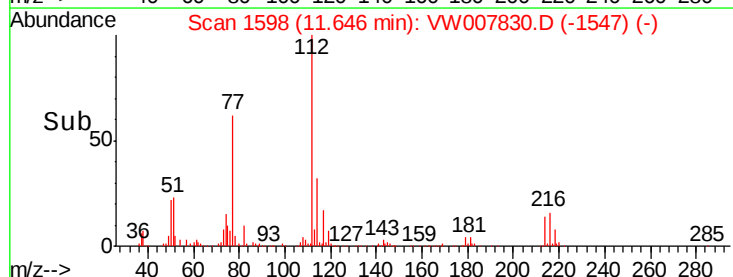
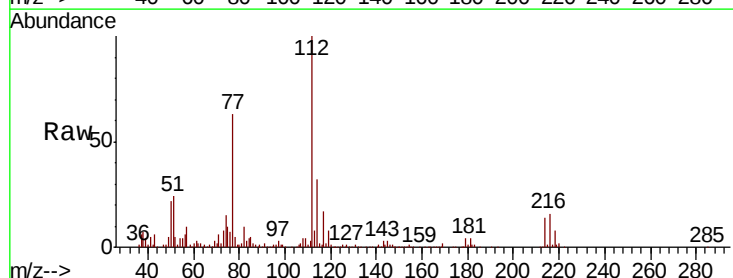
RT: 11.65 min Scan# 1598

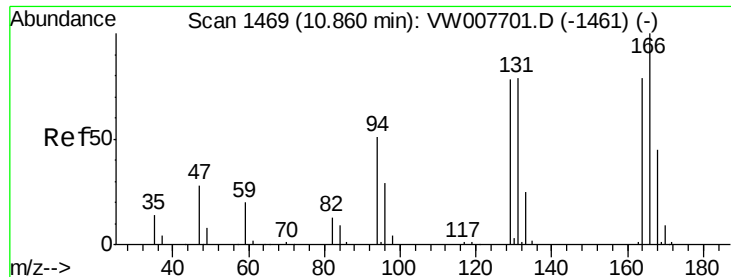
Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 32332 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 50.5  | 44.3  | 66.5  |
| 119       | 38.9  | 25.7  | 38.5# |





#64

Tetrachloroethene

Concen: 5.892 ug/l

RT: 10.88 min Scan# 1472

Delta R.T. 0.02 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA\_W

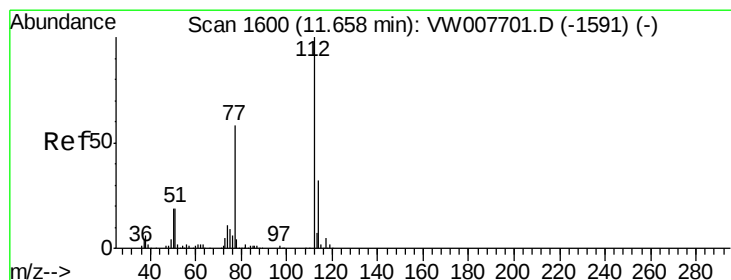
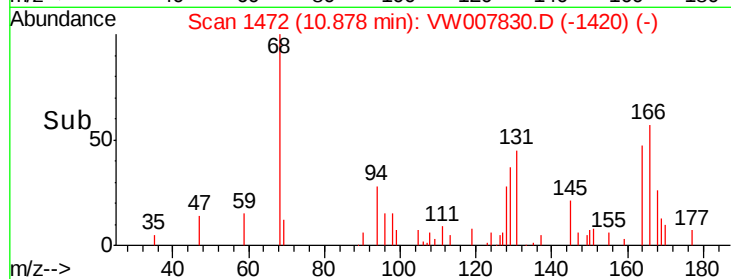
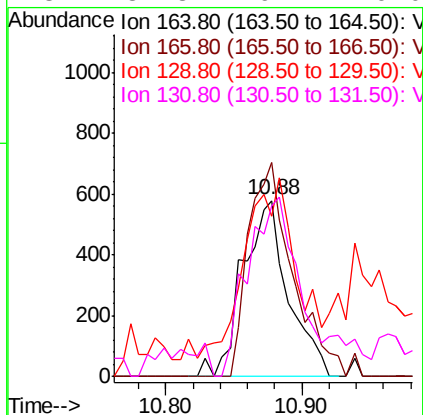
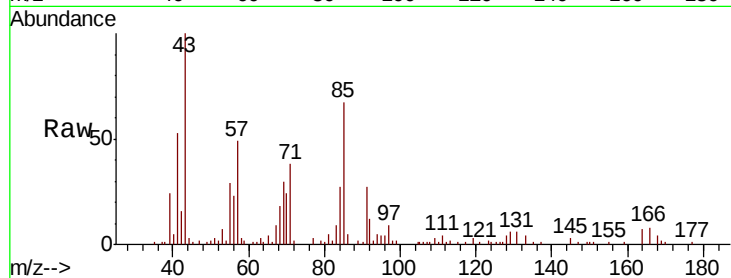
ClientSampleId :

P001-SS013A-3036-01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 164   | Resp: | 1349   |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 166      | 121.4 | 101.0 | 151.6  |
| 129      | 70.0  | 78.7  | 118.1# |
| 131      | 84.3  | 79.4  | 119.0  |

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#65

Chlorobenzene

Concen: 1099.089 ug/l

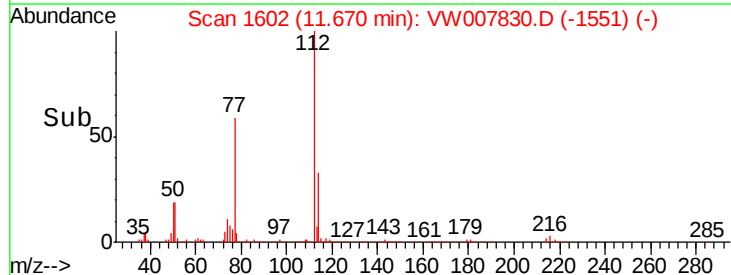
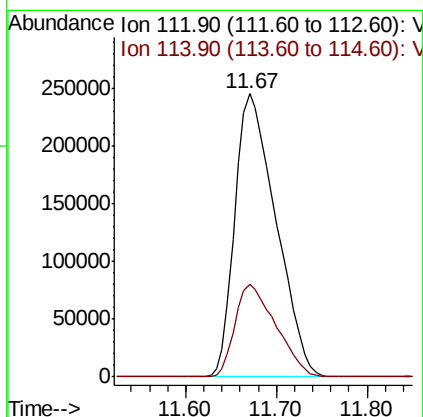
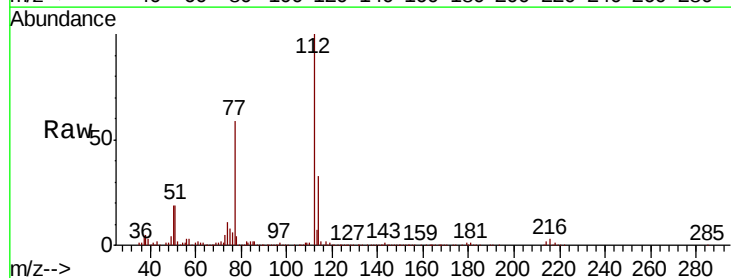
RT: 11.67 min Scan# 1602

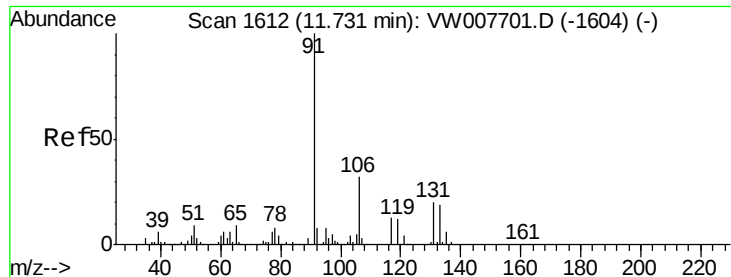
Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 769145 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.6  | 25.2  | 37.8   |





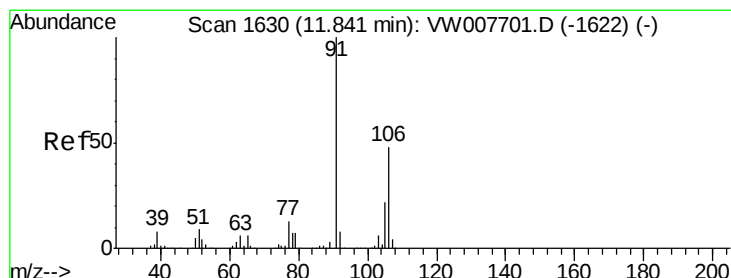
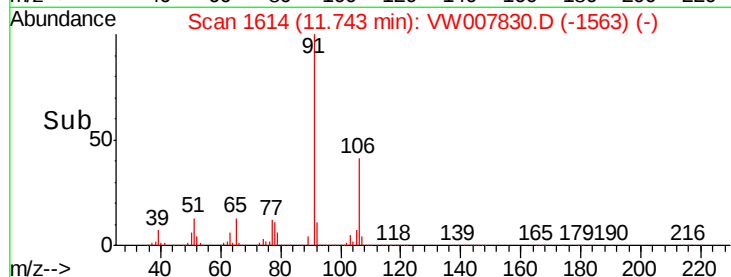
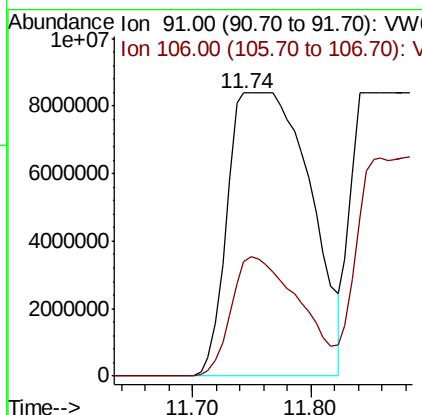
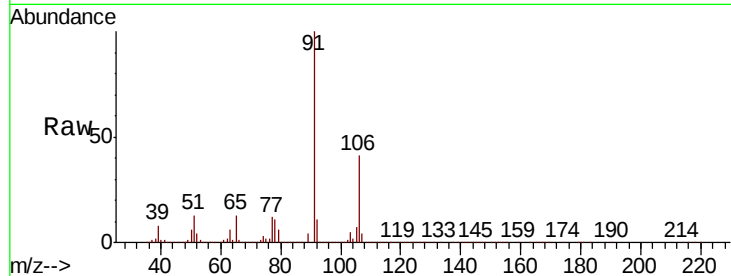
#67  
Ethyl Benzene  
Concen: 33635.547 ug/l m  
RT: 11.74 min Scan# 1614  
Delta R.T. 0.01 min  
Lab File: VW007830.D  
Acq: 22 Dec 2018 09:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-SS013A-3036-01

Tot Ion: 91 Resp:40391511  
Ion Ratio Lower Upper  
91 100  
106 40.6 25.8 38.8#

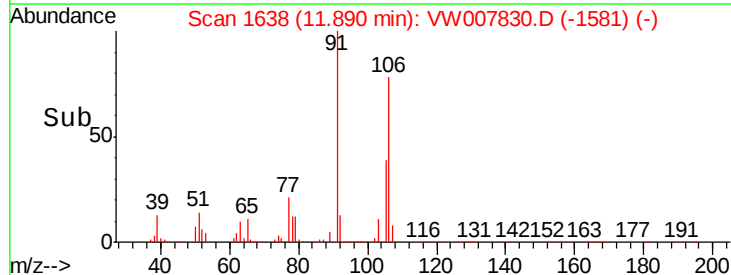
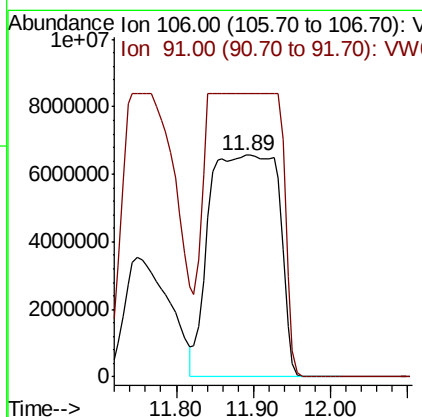
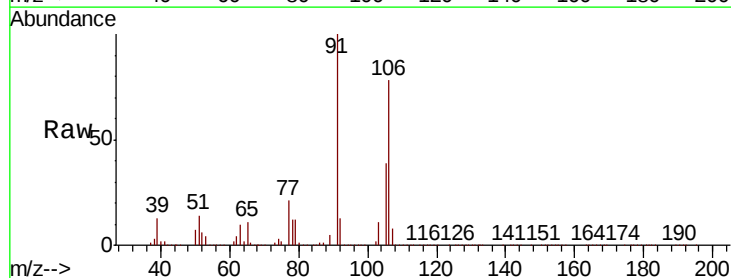
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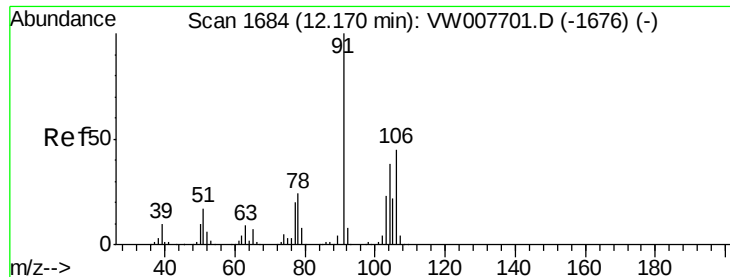
MMDadoda  
12/26/2018 11:00:48 AM



#68  
m/p-Xylenes  
Concen: 88009.189 ug/l m  
RT: 11.89 min Scan# 1638  
Delta R.T. 0.05 min  
Lab File: VW007830.D  
Acq: 22 Dec 2018 09:15

Tgt Ion:106 Resp:40997347  
Ion Ratio Lower Upper  
106 100  
91 5.4 165.2 247.8#





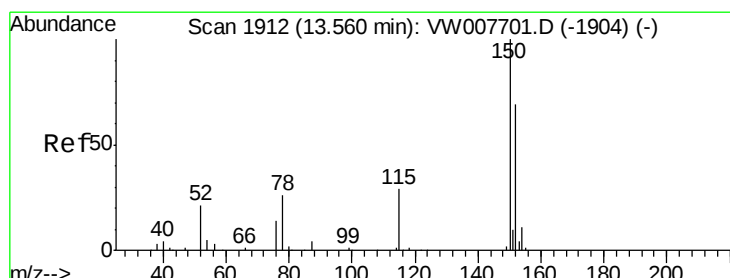
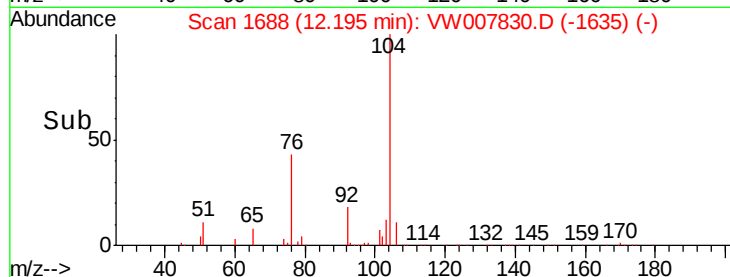
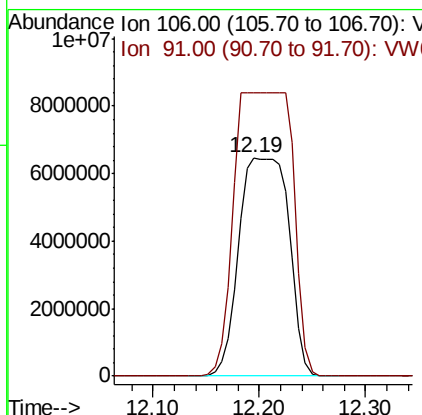
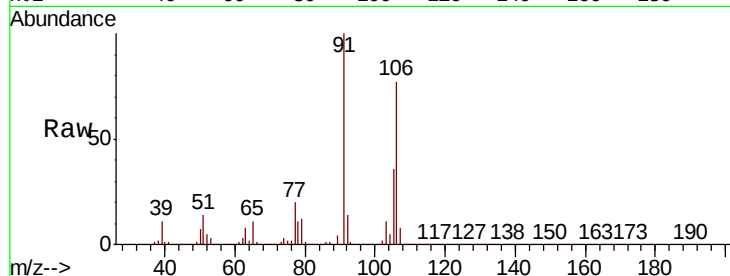
#69  
o-Xylene  
Concen: 48558.409 ug/l  
RT: 12.19 min Scan# 1688  
Delta R.T. 0.02 min  
Lab File: VW007830.D  
Acq: 22 Dec 2018 09:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-SS013A-3036-01

Tot Ion:106 Resp:21203328  
Ion Ratio Lower Upper  
106 100  
91 0.0 110.5 331.4#

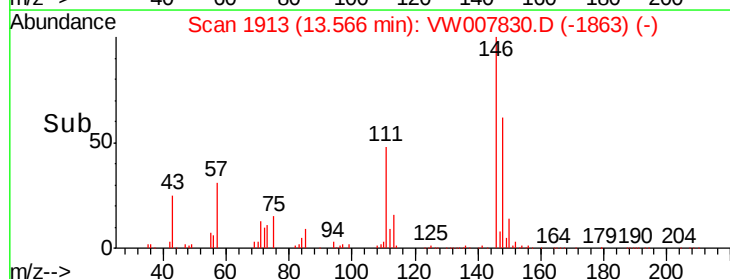
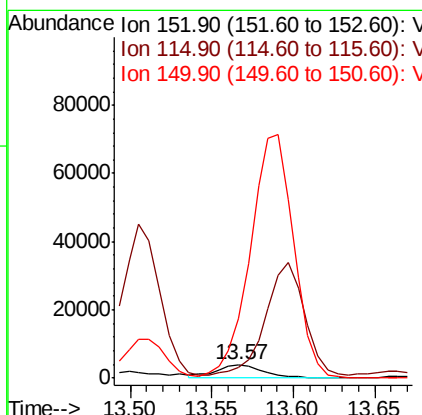
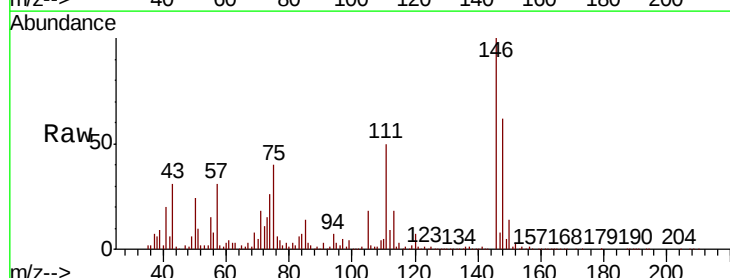
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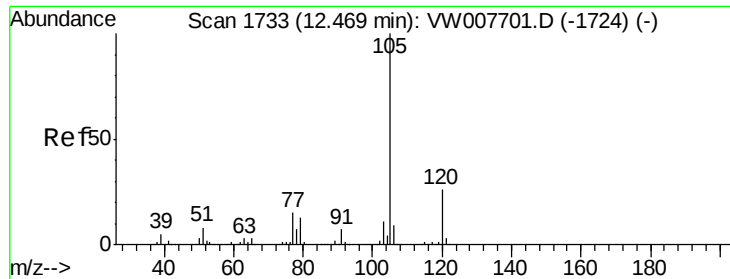
MMDadoda  
12/26/2018 11:00:48 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. 0.01 min  
Lab File: VW007830.D  
Acq: 22 Dec 2018 09:15

Tgt Ion:152 Resp: 7171  
Ion Ratio Lower Upper  
152 100  
115 0.0 31.8 95.4#  
150 0.0 0.0 350.8





#73

Isopropylbenzene

Concen: 2262.043 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA\_W

ClientSampleId :

P001-SS013A-3036-01

Tot Ion:105 Resp: 1226135

Ion Ratio Lower Upper

105 100

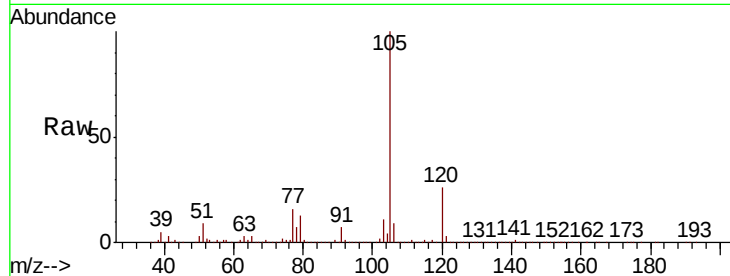
120 26.0 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

800000

600000

400000

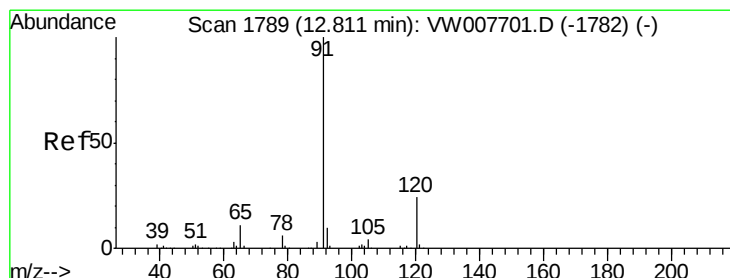
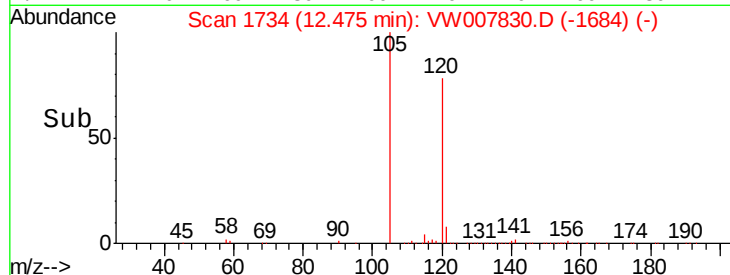
200000

0

12.40

12.50

Time-->



#78

n-propylbenzene

Concen: 2741.308 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VW007830.D

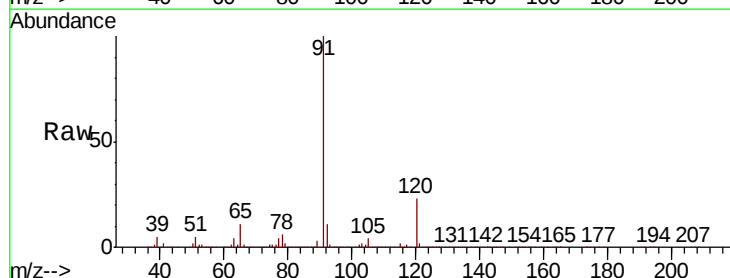
Acq: 22 Dec 2018 09:15

Tgt Ion: 91 Resp: 1729706

Ion Ratio Lower Upper

91 100

120 23.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

400000

200000

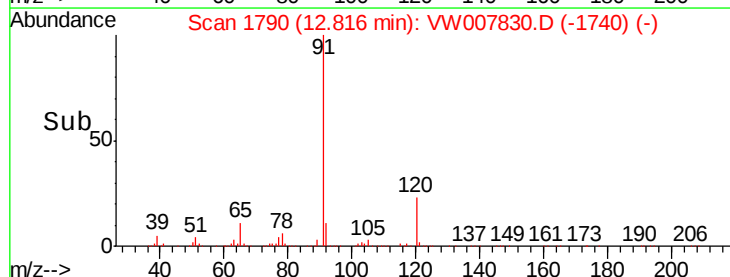
0

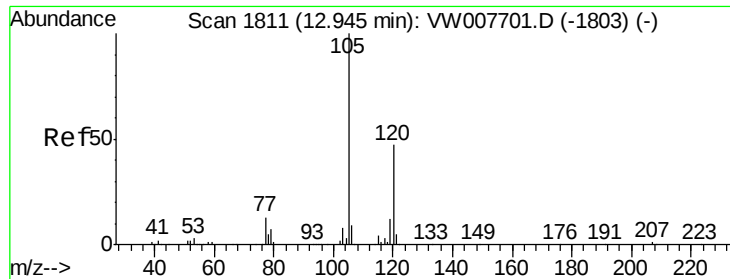
12.75

12.80

12.85

Time-->





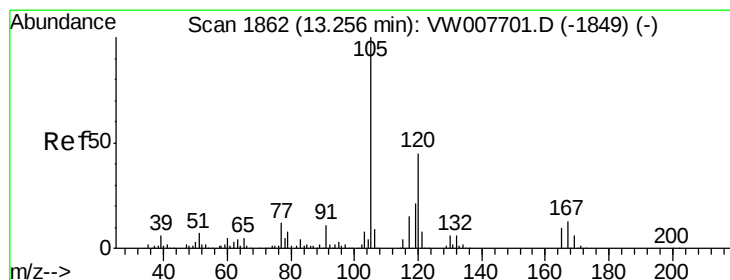
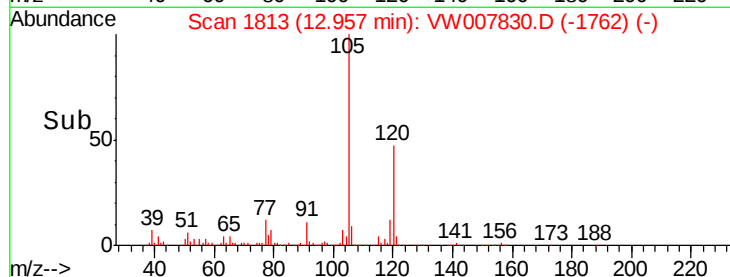
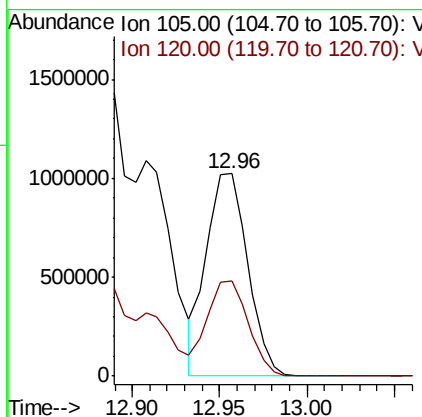
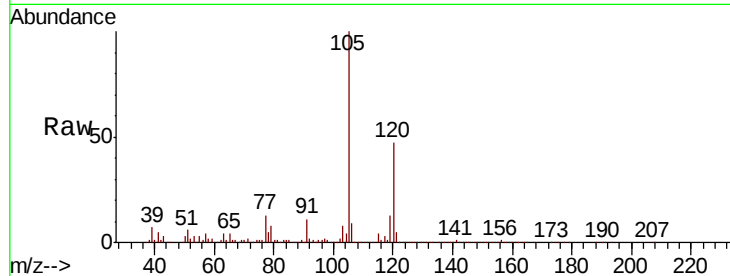
#80  
 1,3,5-Trimethylbenzene  
 Concen: 3609.731 ug/l  
 RT: 12.96 min Scan# 1813  
 Delta R.T. 0.01 min  
 Lab File: VW007830.D  
 Acq: 22 Dec 2018 09:15

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS013A-3036-01

Tot Ion:105 Resp: 1687748  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 23.6 70.8

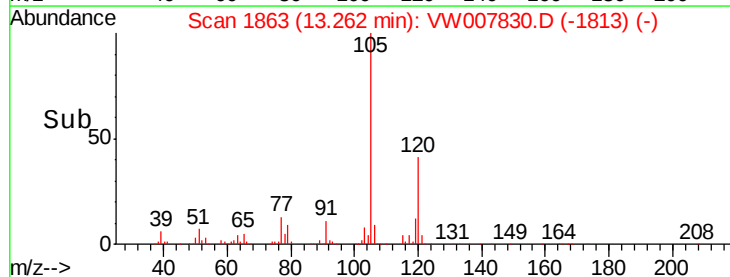
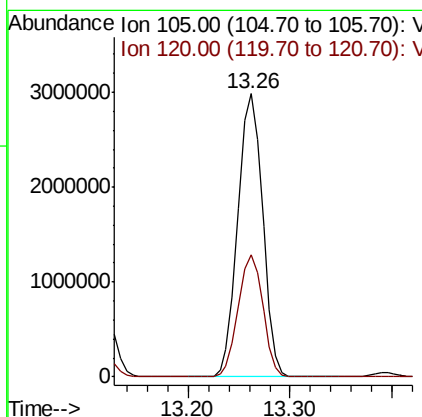
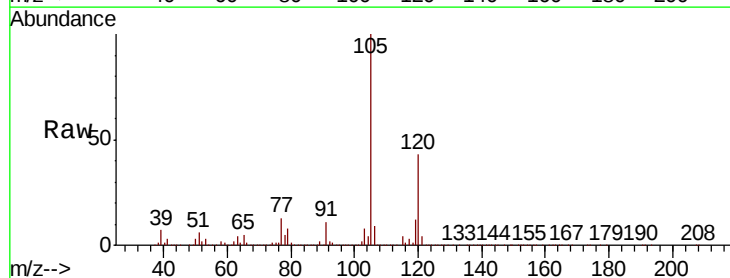
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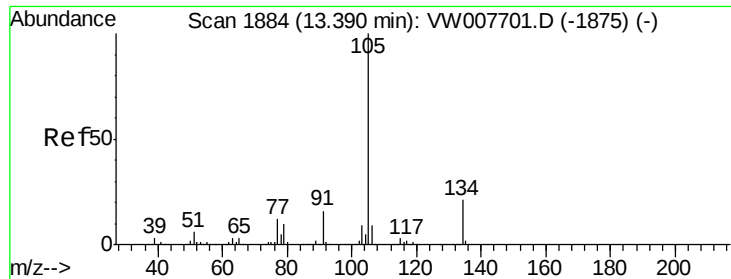
MMDadoda  
 12/26/2018 11:00:48 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 10660.097 ug/l  
 RT: 13.26 min Scan# 1863  
 Delta R.T. 0.01 min  
 Lab File: VW007830.D  
 Acq: 22 Dec 2018 09:15

Tgt Ion:105 Resp: 5029318  
 Ion Ratio Lower Upper  
 105 100  
 120 43.1 22.0 66.0





#85

sec-Butylbenzene

Concen: 148.878 ug/l m

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

Instrument :

MSVOA\_W

ClientSampleId :

P001-SS013A-3036-01

Tot Ion:105 Resp: 84174

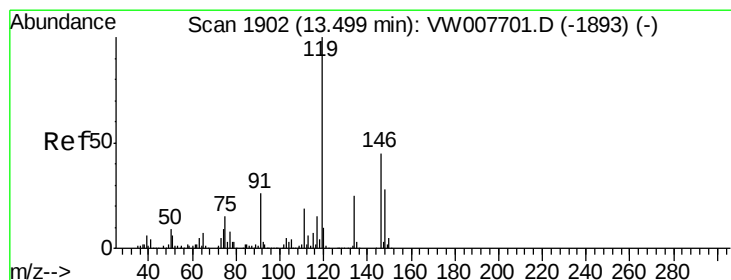
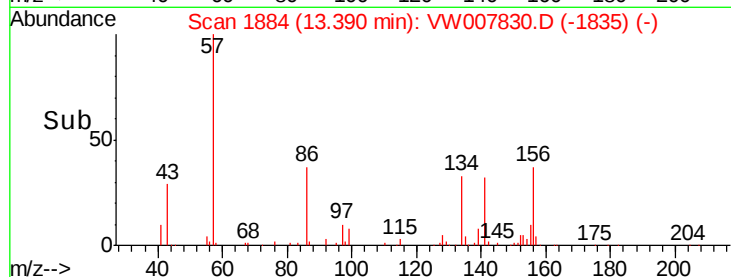
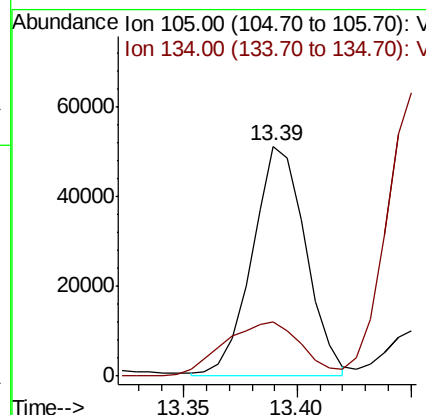
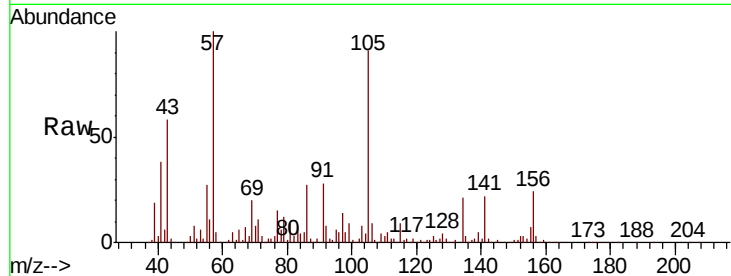
Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#

Manual Integrations  
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12/26/2018 11:00:48 AM



#86

p-Isopropyltoluene

Concen: 1722.244 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007830.D

Acq: 22 Dec 2018 09:15

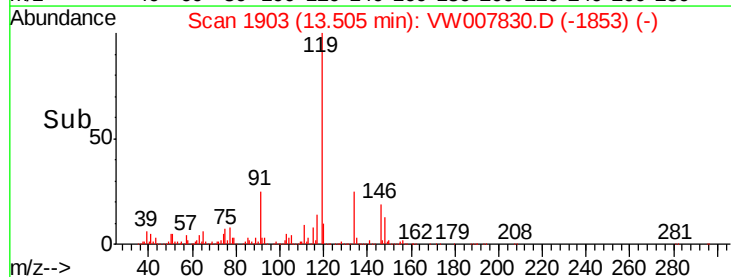
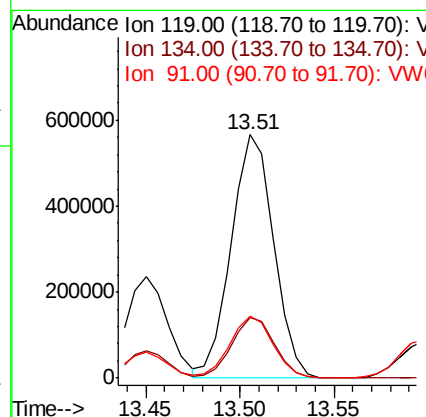
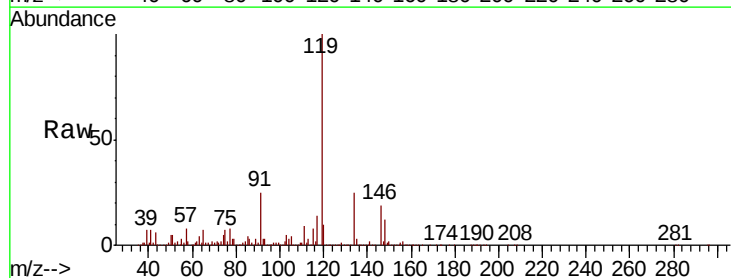
Tgt Ion:119 Resp: 885435

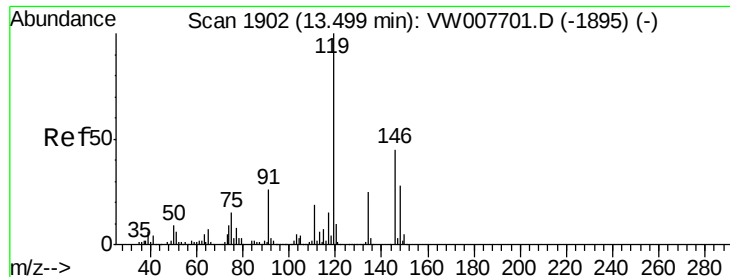
Ion Ratio Lower Upper

119 100

134 25.0 13.0 39.0

91 25.2 12.8 38.4





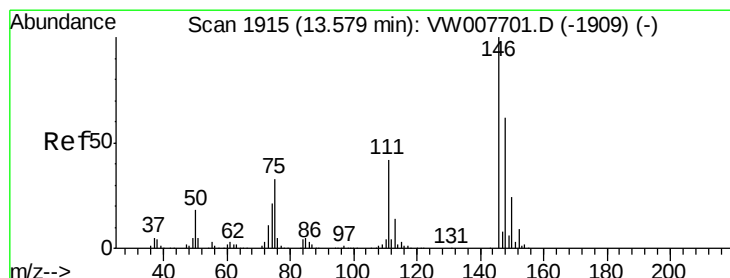
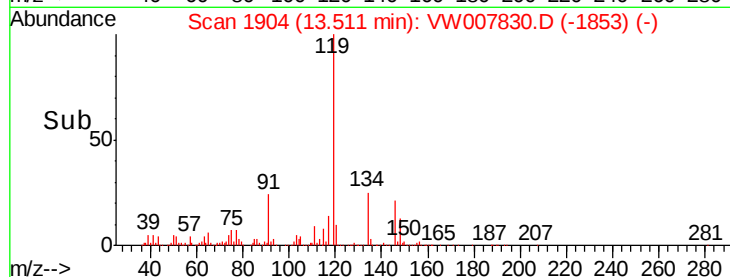
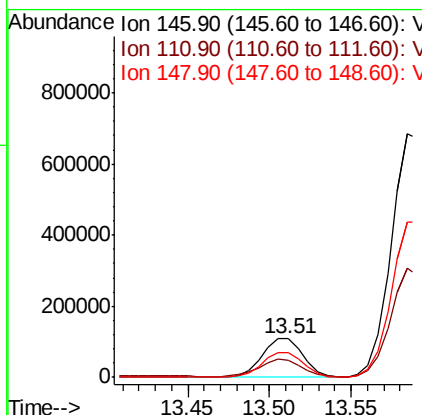
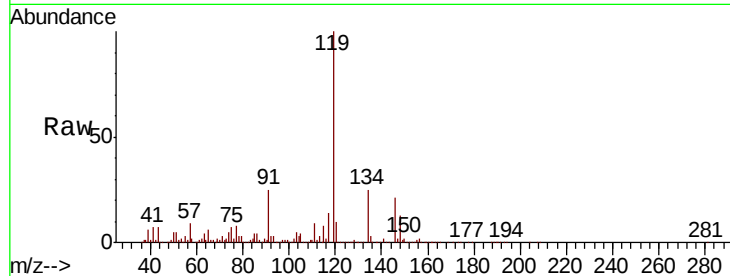
#87  
 1,3-Dichlorobenzene  
 Concen: 774.992 ug/l  
 RT: 13.51 min Scan# 1904  
 Delta R.T. 0.01 min  
 Lab File: VW007830.D  
 Acq: 22 Dec 2018 09:15

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS013A-3036-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.4  | 21.1  | 63.4  |
| 148     | 64.1  | 32.1  | 96.5  |

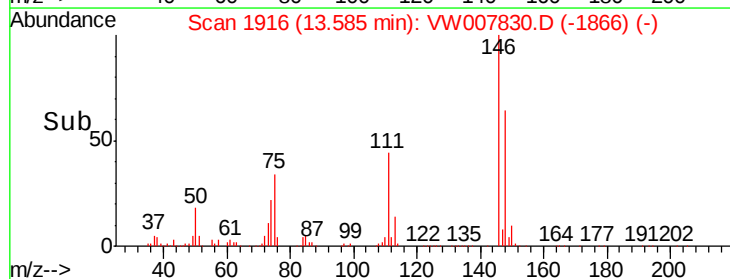
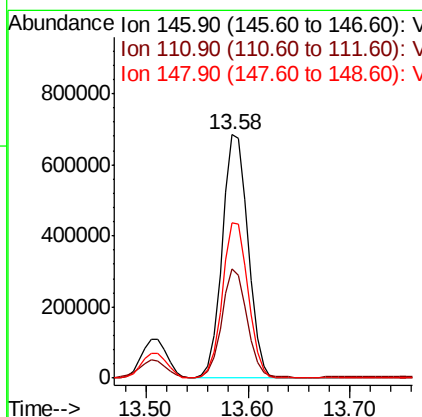
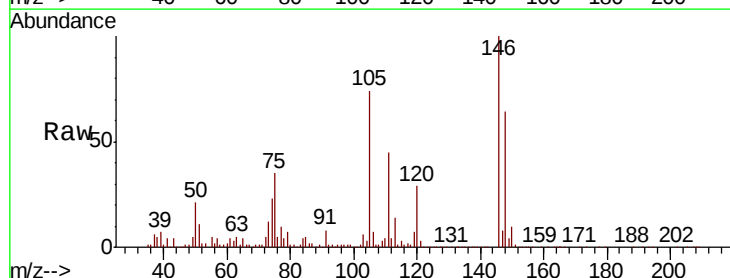
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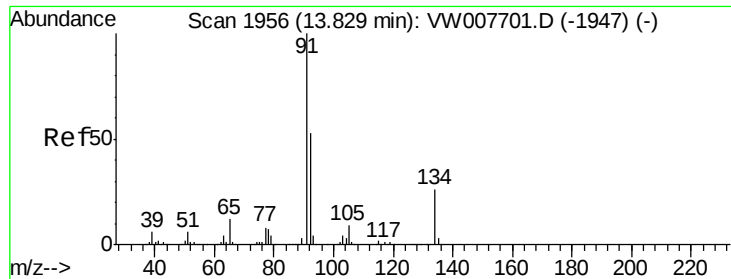
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#88  
 1,4-Dichlorobenzene  
 Concen: 4853.595 ug/l  
 RT: 13.58 min Scan# 1916  
 Delta R.T. 0.01 min  
 Lab File: VW007830.D  
 Acq: 22 Dec 2018 09:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.4  | 21.0  | 63.0  |
| 148     | 63.9  | 31.8  | 95.4  |





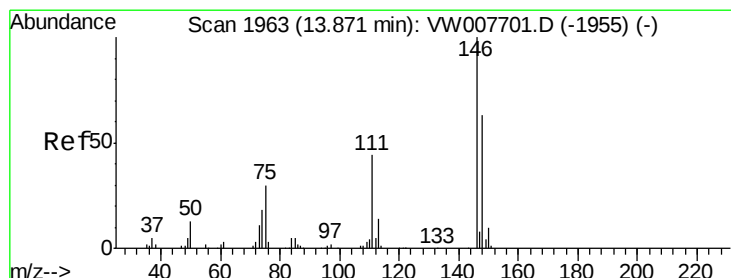
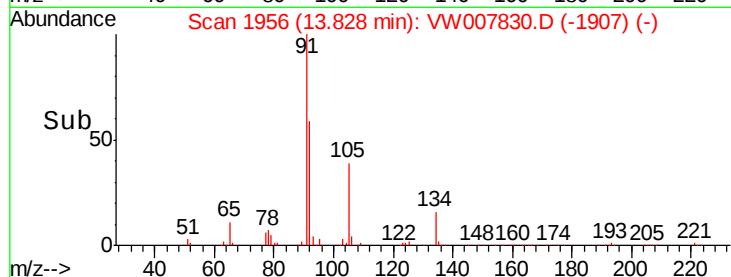
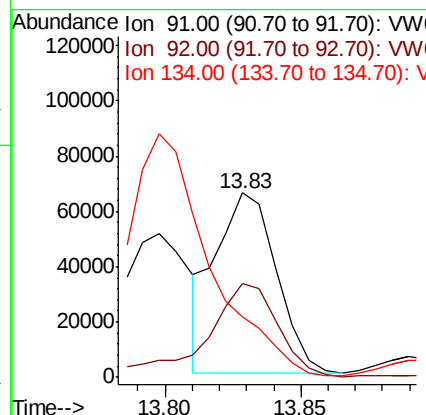
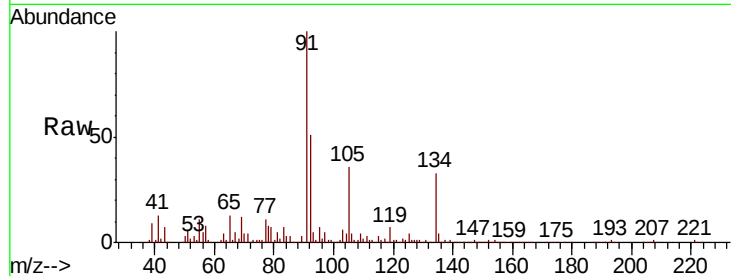
#89  
n-Butylbenzene  
Concen: 212.649 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: VW007830.D  
Acq: 22 Dec 2018 09:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
P001-SS013A-3036-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 58.6  | 26.4  | 79.2  |
| 134     | 0.0   | 13.7  | 41.0  |

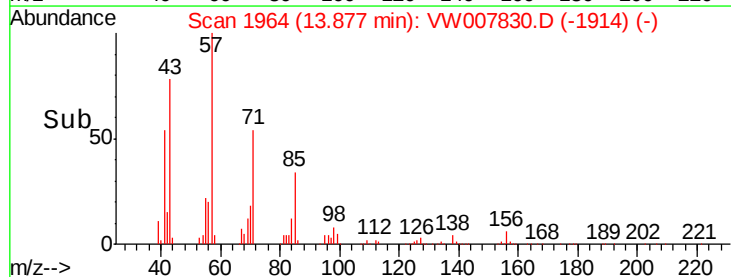
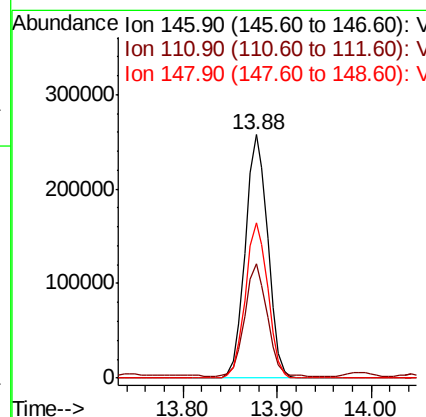
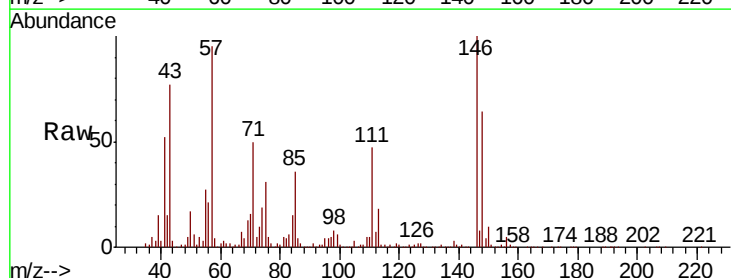
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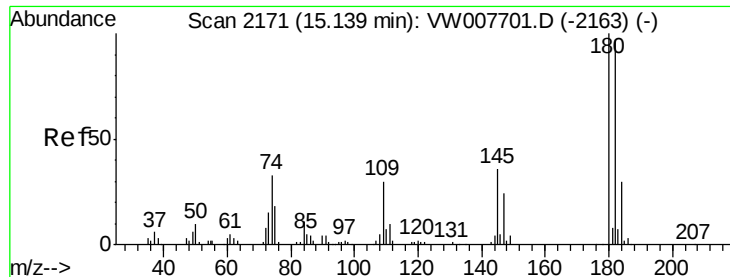
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#91  
1,2-Dichlorobenzene  
Concen: 1936.750 ug/l  
RT: 13.88 min Scan# 1964  
Delta R.T. 0.01 min  
Lab File: VW007830.D  
Acq: 22 Dec 2018 09:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 46.3  | 21.7  | 65.1  |
| 148     | 63.7  | 32.1  | 96.5  |





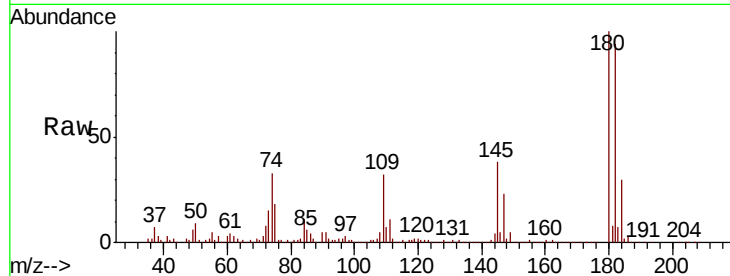
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4357.591 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. -0.00 min  
 Lab File: VW007830.D  
 Acq: 22 Dec 2018 09:15

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS013A-3036-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.7  | 47.5  | 142.6 |
| 145     | 39.4  | 17.5  | 52.5  |

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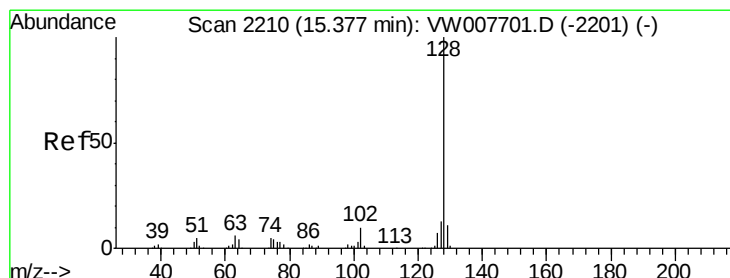
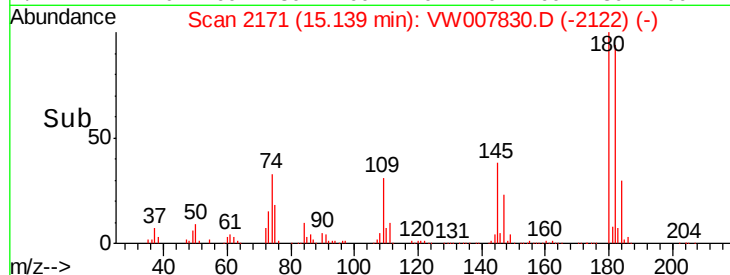
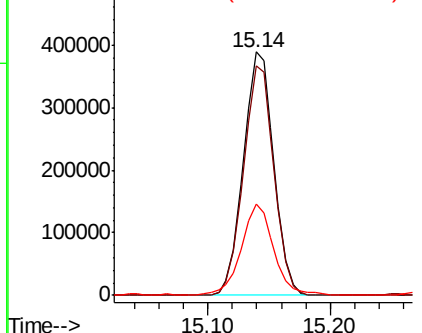


Abundance

Ion 179.80 (179.50 to 180.50): V

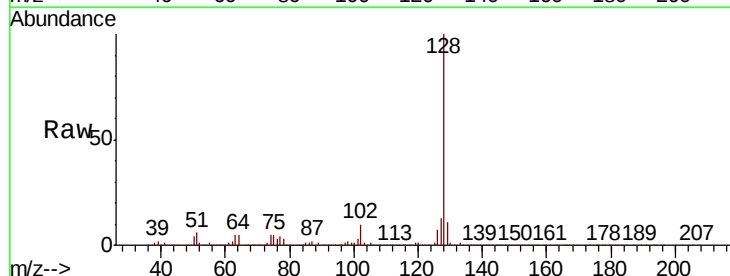
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95  
 Naphthalene  
 Concen: 8794.729 ug/l  
 RT: 15.38 min Scan# 2210  
 Delta R.T. -0.00 min  
 Lab File: VW007830.D  
 Acq: 22 Dec 2018 09:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.8  | 10.7  | 16.1  |
| 129     | 11.0  | 8.8   | 13.2  |

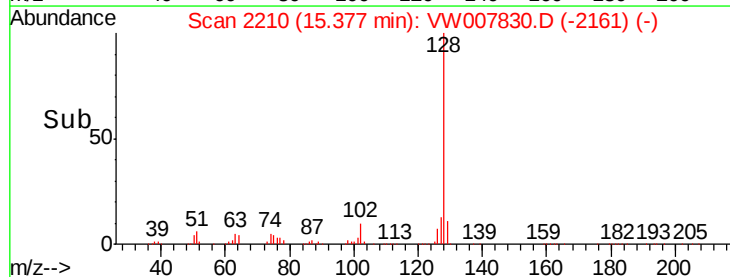
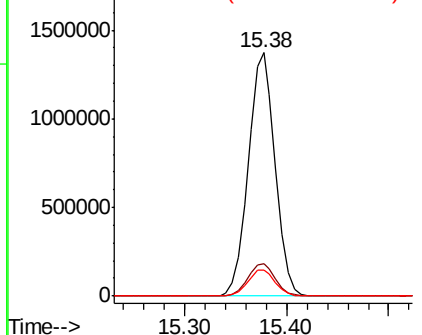


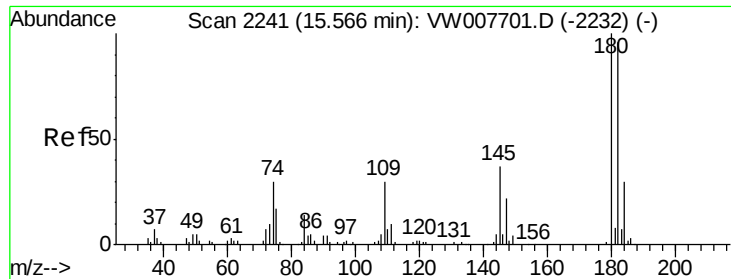
Abundance

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





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2612.195 ug/l  
 RT: 15.57 min Scan# 2241  
 Delta R.T. -0.00 min  
 Lab File: VW007830.D  
 Acq: 22 Dec 2018 09:15

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS013A-3036-01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 342761 |       |       |
| 182     | 94.7  | 47.4   | 142.2 |       |
| 145     | 41.5  | 18.4   | 55.0  |       |

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