

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070218\  
 Data File : VX003123.D  
 Acq On : 02 Jul 2018 13:22  
 Operator : JC/MD  
 Sample : J3738-03DL 10X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S22-0040DL

Manual Integrations  
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sam  
 7/3/2018 3:53:50 PM

Quant Time: Jul 03 09:03:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 25 14:38:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 255115   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 353182   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 318104   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 182296   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response   | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|------------|--------|-------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 162889     | 46.19  | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 92.38% |       |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 135219     | 48.35  | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 96.70% |       |          |
| 50) Toluene-d8              | 8.72  | 98   | 492525     | 48.22  | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 96.44% |       |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 174168     | 44.22  | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 88.44% |       |          |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 39) Methylcyclohexane      | 7.46  | 83   | 9801     | 2.17  | ug/l  | # 85   |
| 67) Ethyl Benzene          | 10.26 | 91   | 654011   | 49.00 | ug/l  | 100    |
| 68) m/p-Xylenes            | 10.37 | 106  | 193792   | 37.67 | ug/l  | 98     |
| 73) Isopropylbenzene       | 11.02 | 105  | 122115   | 9.96  | ug/l  | 100    |
| 78) n-propylbenzene        | 11.36 | 91   | 116041   | 8.31  | ug/l  | 99     |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105  | 135444   | 12.66 | ug/l  | 97     |
| 85) sec-Butylbenzene       | 11.95 | 105  | 18034    | 1.46  | ug/l  | 84     |
| 95) Naphthalene            | 13.84 | 128  | 126773   | 10.16 | ug/l  | 99     |

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

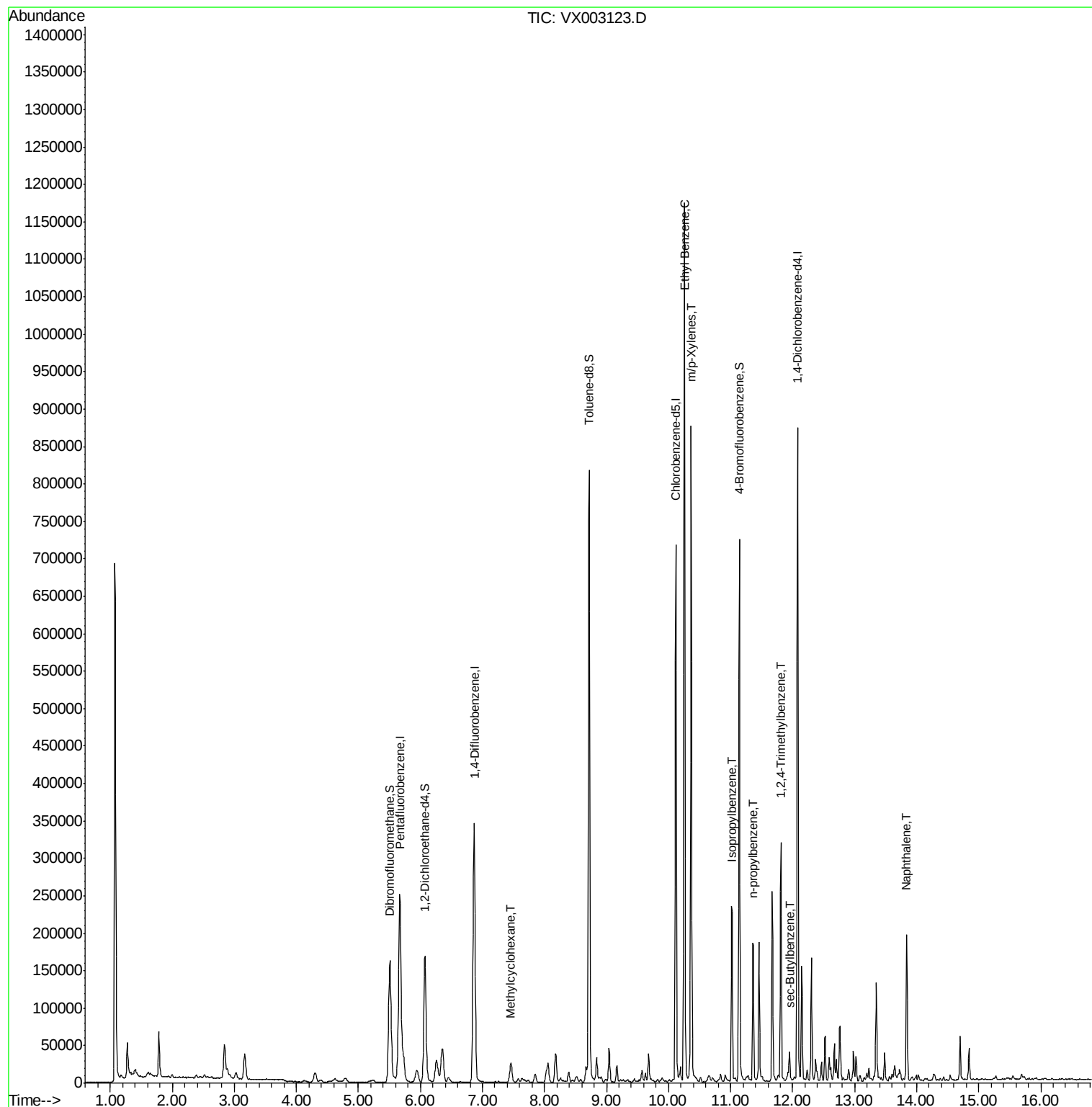
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070218\  
Data File : VX003123.D  
Acq On : 02 Jul 2018 13:22  
Operator : JC/MD  
Sample : J3738-03DL 10X  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

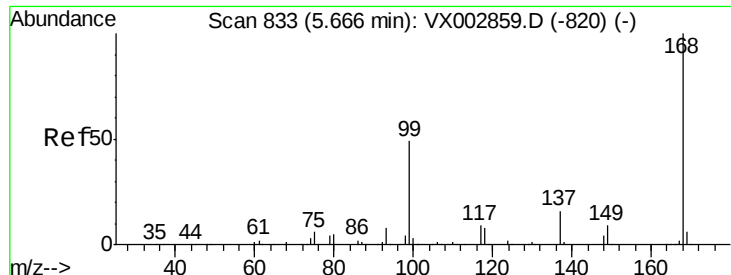
Instrument :  
MSVOA\_X  
ClientSampleId :  
S22-0040DL

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Quant Time: Jul 03 09:03:19 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 25 14:38:05 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003123.D

Acq: 02 Jul 2018 13:22

Instrument :

MSVOA\_X

ClientSampleId :

S22-0040DL

Tot Ion:168 Resp: 255115

Ion Ratio Lower Upper

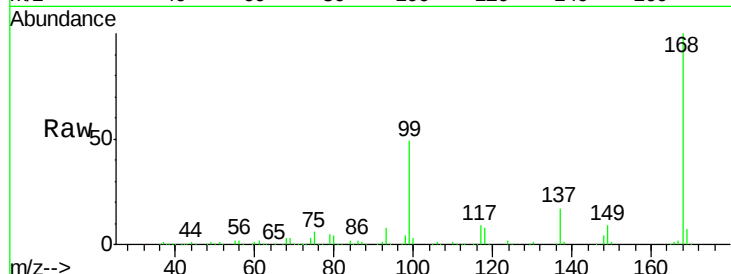
168 100

99 49.1 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

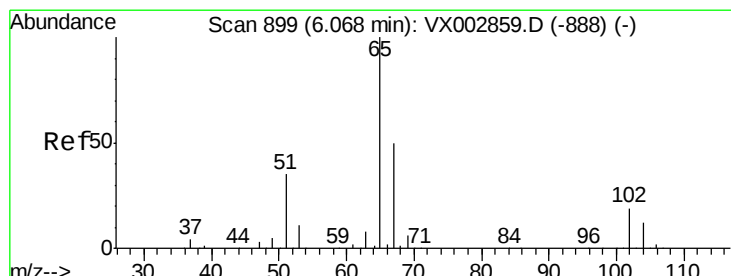
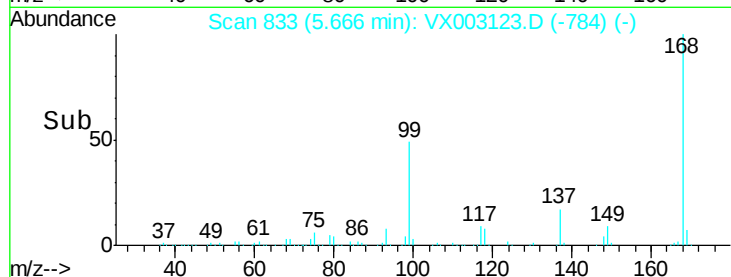
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.19 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003123.D

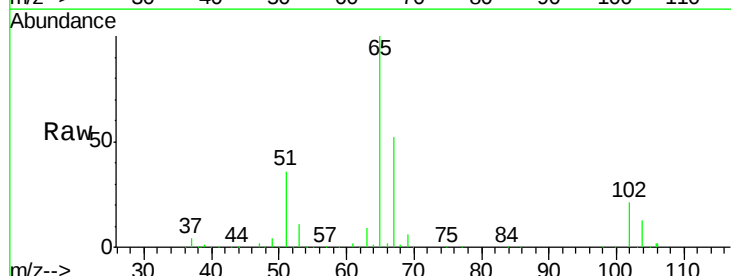
Acq: 02 Jul 2018 13:22

Tgt Ion: 65 Resp: 162889

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

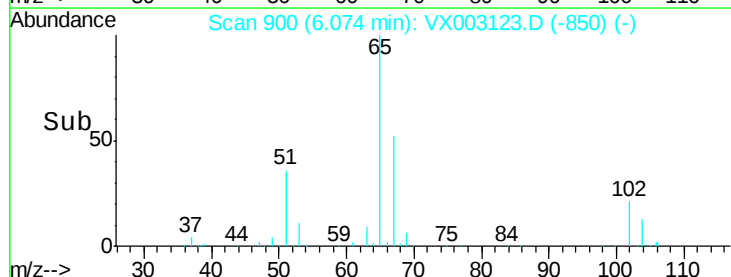
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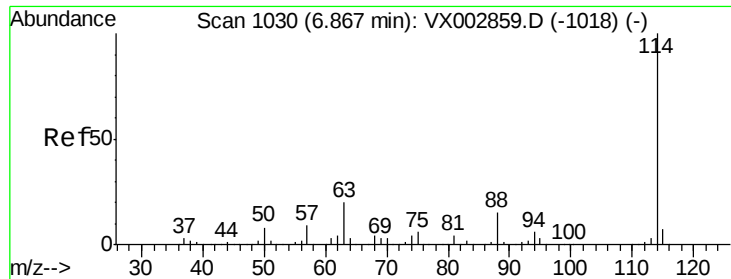
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Time-->





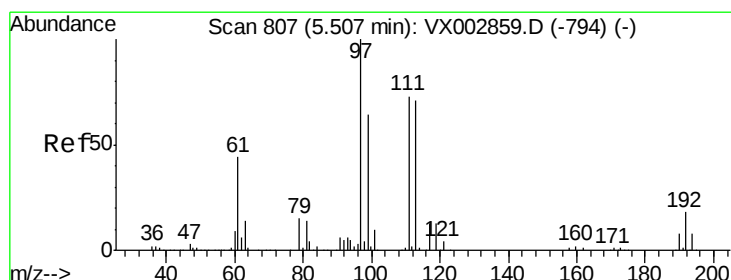
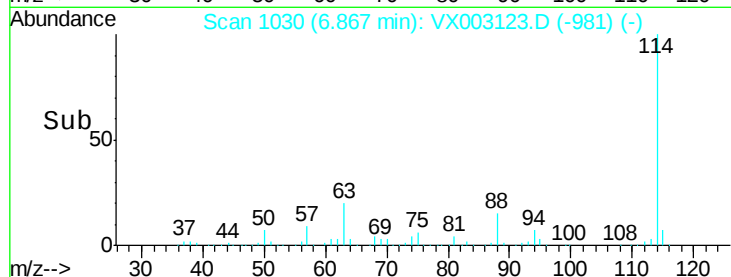
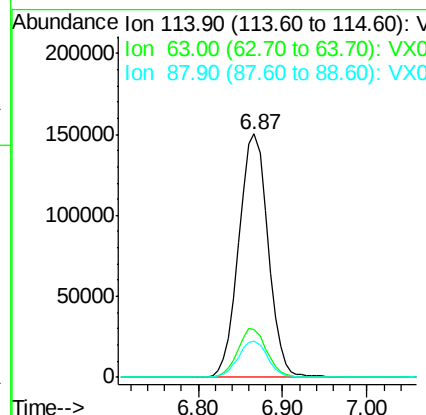
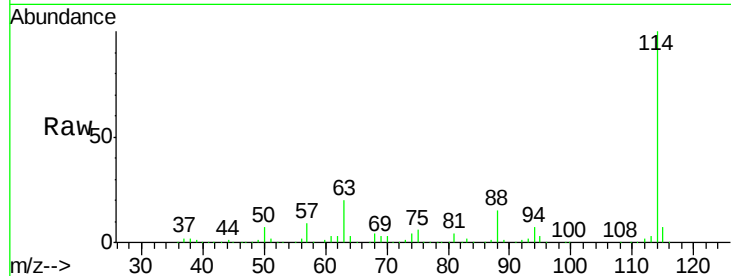
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX003123.D  
 Acq: 02 Jul 2018 13:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S22-0040DL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 353182 |       |       |
| 63      | 19.6  | 0.0    | 41.4  |       |
| 88      | 15.1  | 0.0    | 30.0  |       |

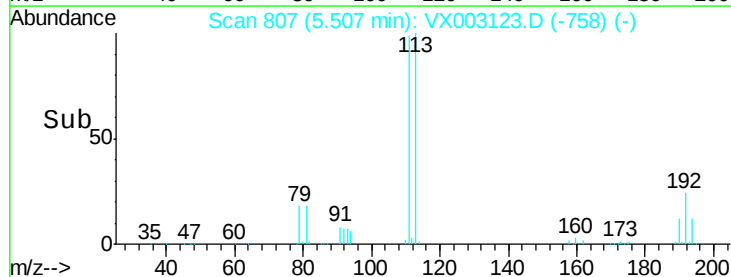
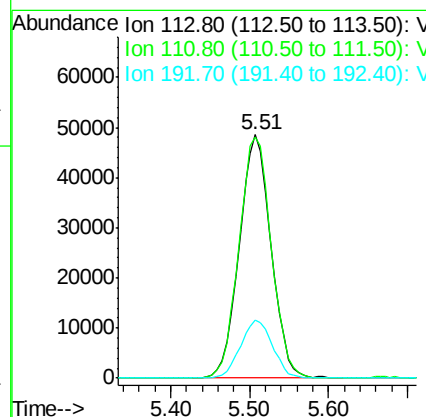
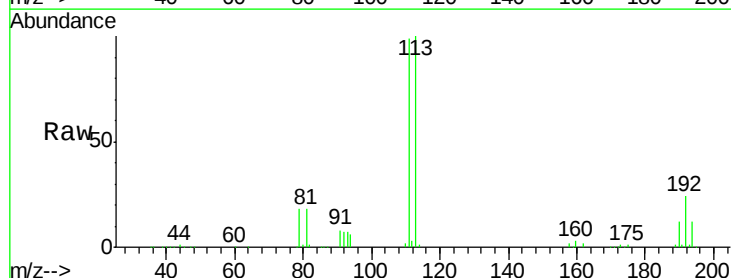
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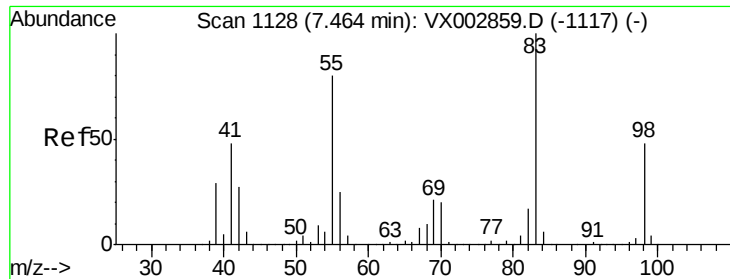
sam  
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#35  
 Dibromofluoromethane  
 Concen: 48.35 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX003123.D  
 Acq: 02 Jul 2018 13:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 135219 |       |       |
| 111     | 101.4 | 81.4   | 122.0 |       |
| 192     | 24.2  | 19.1   | 28.7  |       |





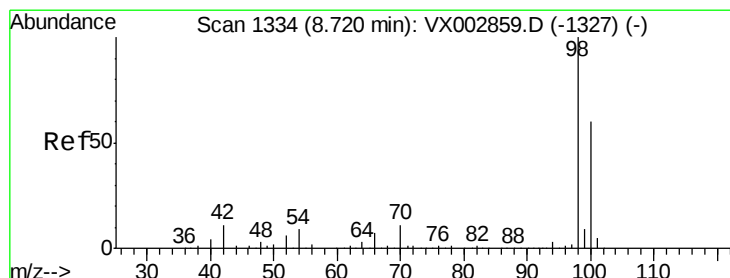
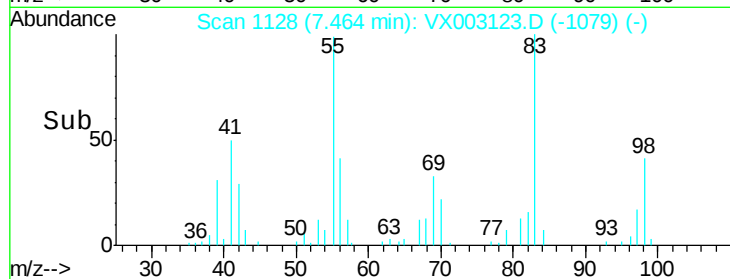
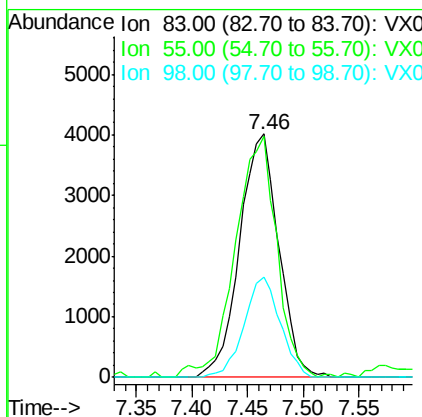
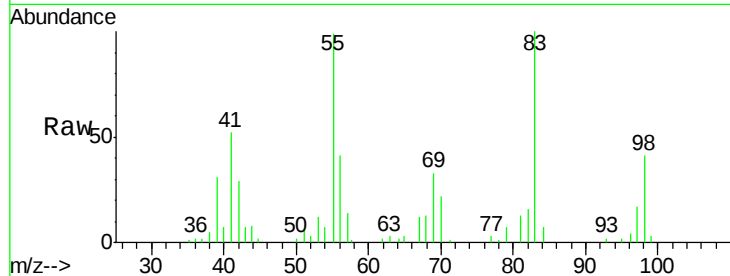
#39  
Methylcyclohexane  
Concen: 2.17 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. 0.00 min  
Lab File: VX003123.D  
Acq: 02 Jul 2018 13:22

Instrument :  
MSVOA\_X  
ClientSampled :  
S22-0040DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 99.0  | 65.4  | 98.0# |
| 98      | 41.1  | 37.4  | 56.0  |

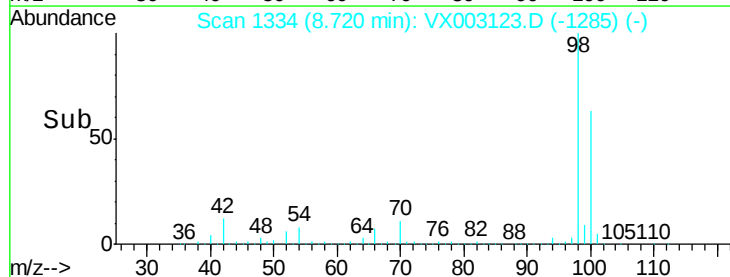
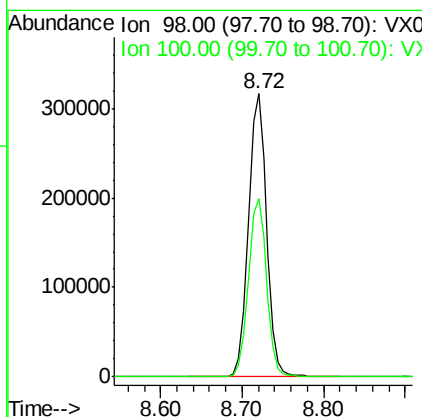
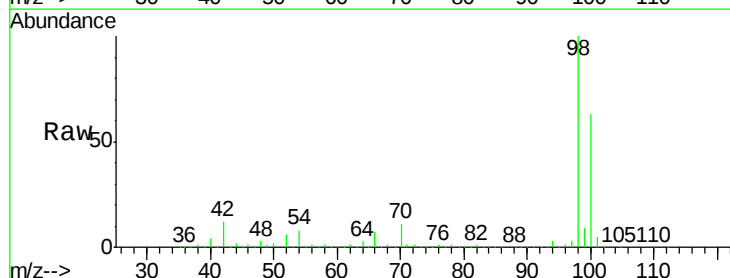
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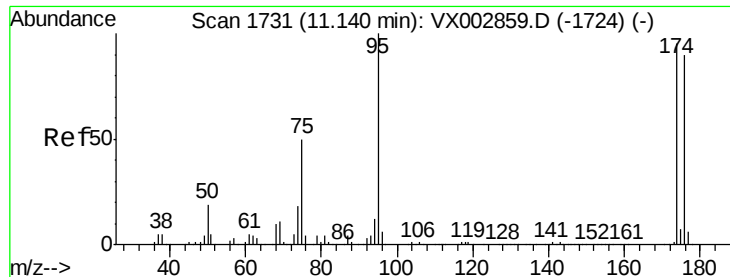
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#50  
Toluene-d8  
Concen: 48.22 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003123.D  
Acq: 02 Jul 2018 13:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.4  | 50.9  | 76.3  |





#62

4-Bromofluorobenzene

Concen: 44.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003123.D

Acq: 02 Jul 2018 13:22

Instrument :

MSVOA\_X

ClientSampleId :

S22-0040DL

Tot Ion: 95 Resp: 174168

Ion Ratio Lower Upper

95 100

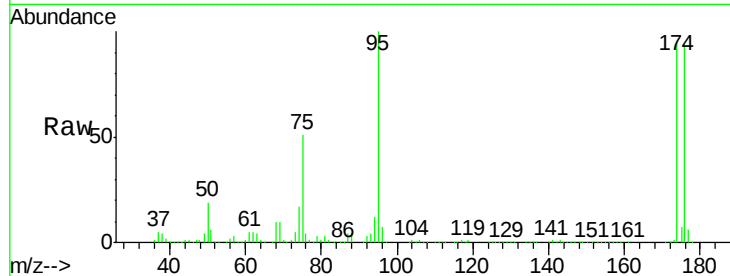
174 96.9 0.0 187.4

176 95.0 0.0 181.0

Manual Integrations  
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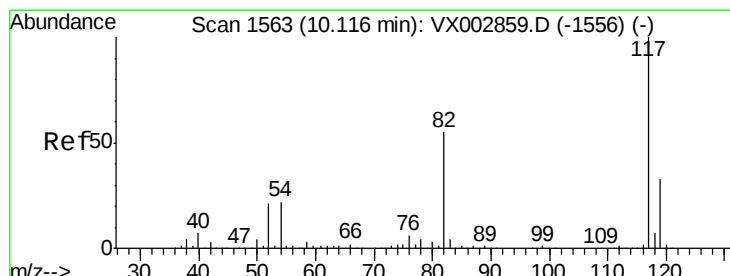
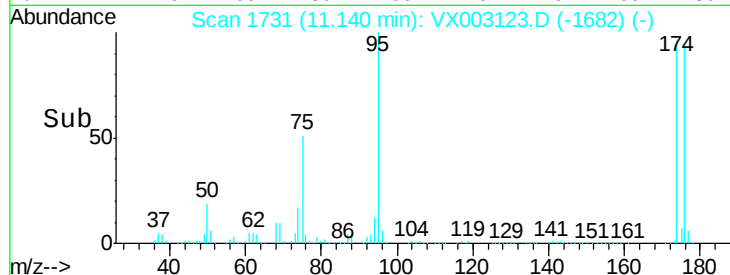
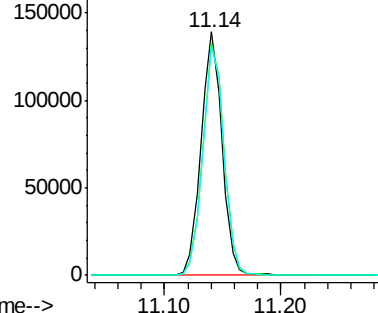
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Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003123.D

Acq: 02 Jul 2018 13:22

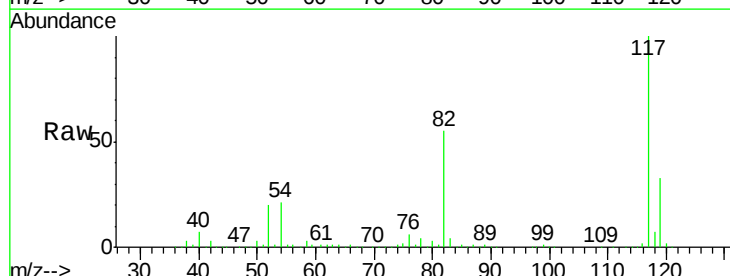
Tgt Ion: 117 Resp: 318104

Ion Ratio Lower Upper

117 100

82 54.6 45.0 67.4

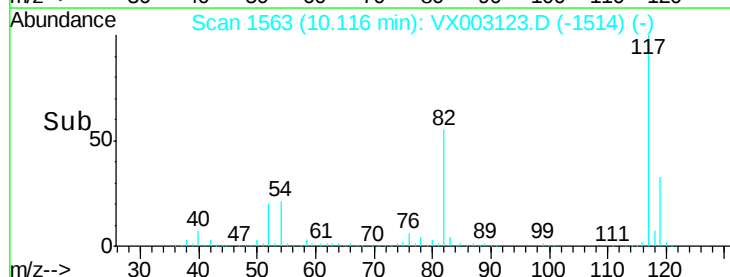
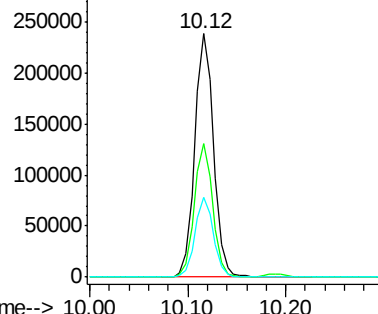
119 32.7 25.8 38.6

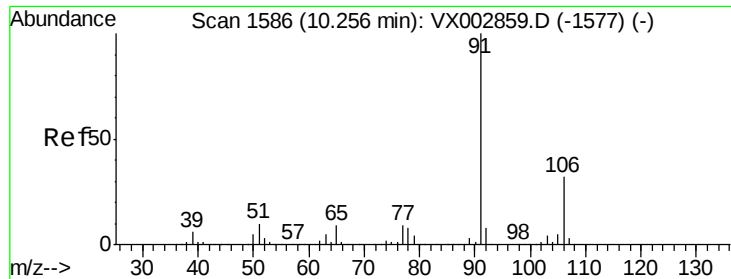


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)





#67

Ethyl Benzene

Concen: 49.00 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003123.D

Acq: 02 Jul 2018 13:22

Instrument :

MSVOA\_X

ClientSampled :

S22-0040DL

Tot Ion: 91 Resp: 654011

Ion Ratio Lower Upper

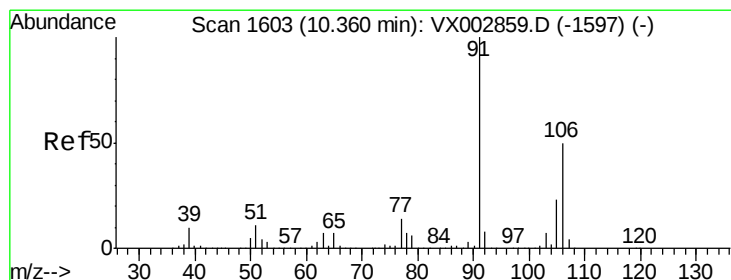
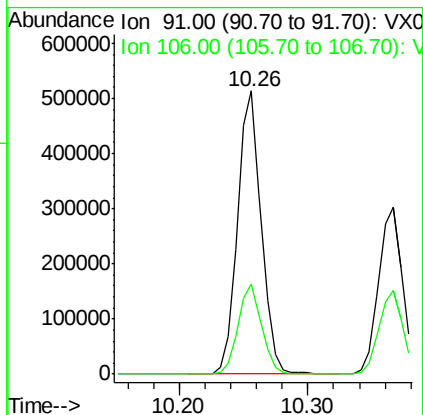
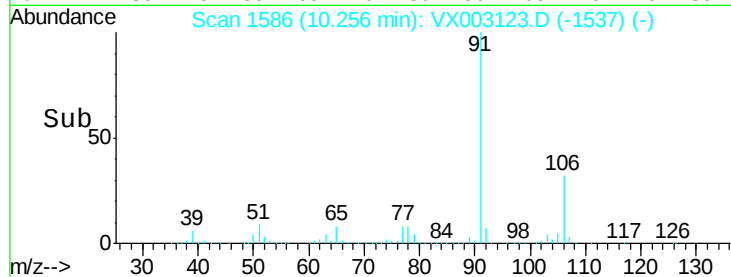
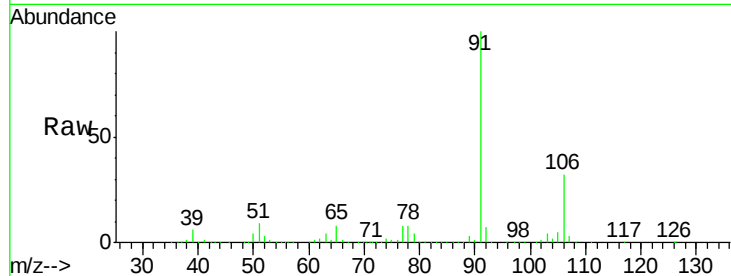
91 100

106 32.1 25.5 38.3

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#68

m/p-Xylenes

Concen: 37.67 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX003123.D

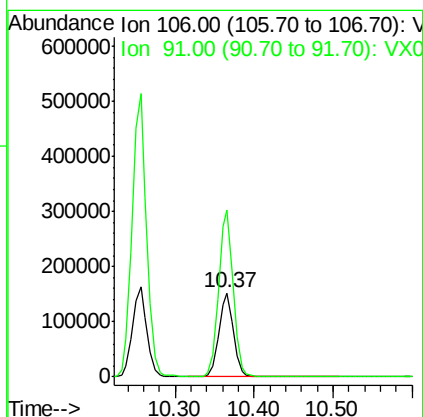
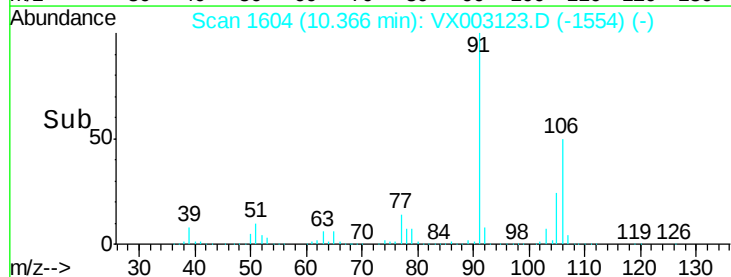
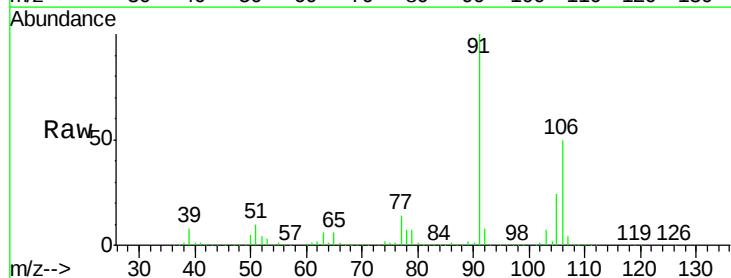
Acq: 02 Jul 2018 13:22

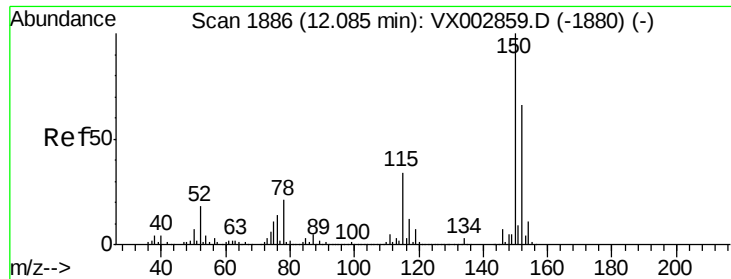
Tgt Ion: 106 Resp: 193792

Ion Ratio Lower Upper

106 100

91 200.9 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003123.D

Acq: 02 Jul 2018 13:22

Instrument :

MSVOA\_X

ClientSampleId :

S22-0040DL

Tot Ion:152 Resp: 182296

Ion Ratio Lower Upper

152 100

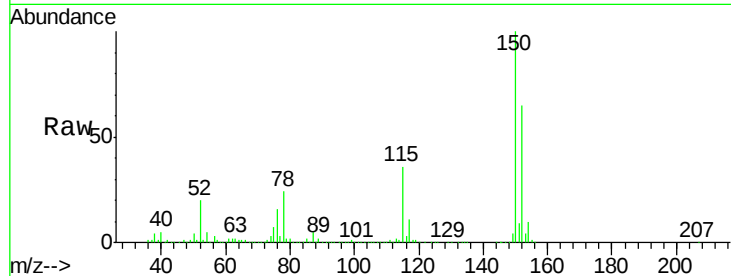
115 54.8 40.1 120.2

150 155.4 0.0 347.2

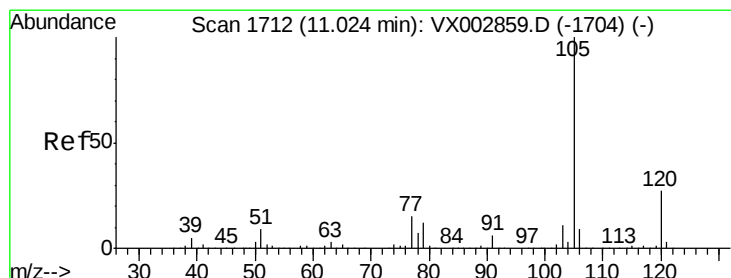
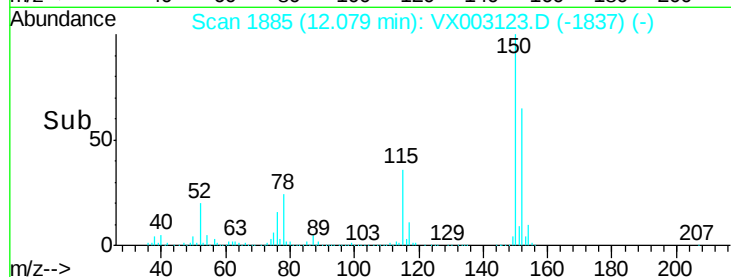
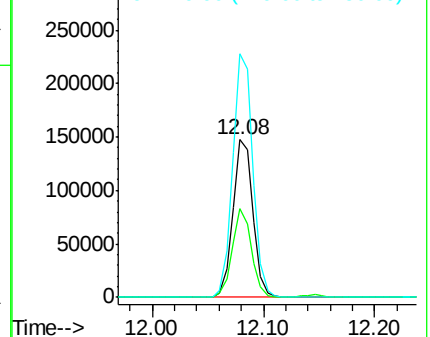
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Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 9.96 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003123.D

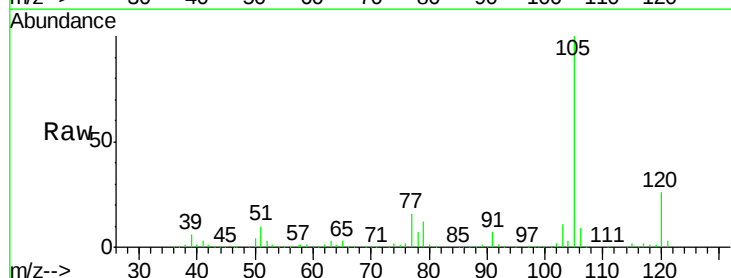
Acq: 02 Jul 2018 13:22

Tgt Ion:105 Resp: 122115

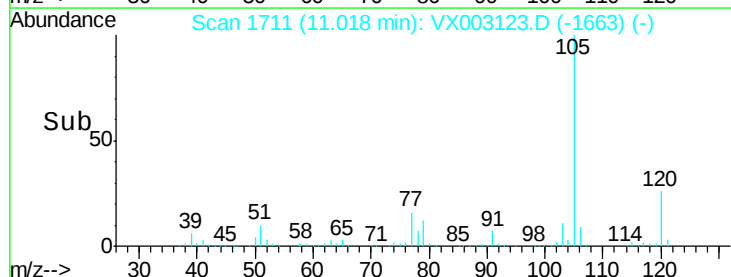
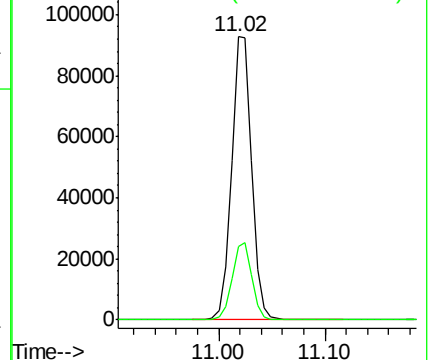
Ion Ratio Lower Upper

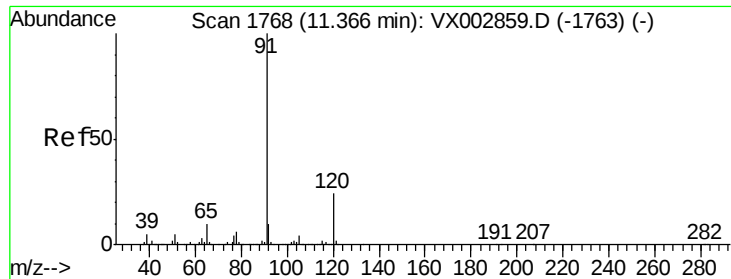
105 100

120 26.7 13.5 40.4



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





#78

n-propylbenzene

Concen: 8.31 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003123.D

Acq: 02 Jul 2018 13:22

Instrument :

MSVOA\_X

ClientSampleId :

S22-0040DL

Tot Ion: 91 Resp: 116041

Ion Ratio Lower Upper

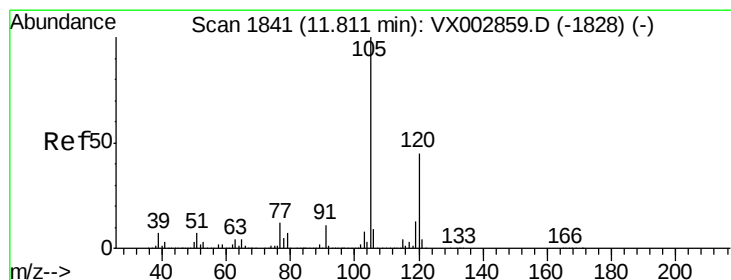
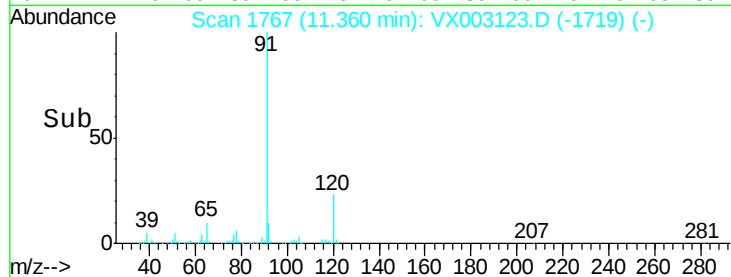
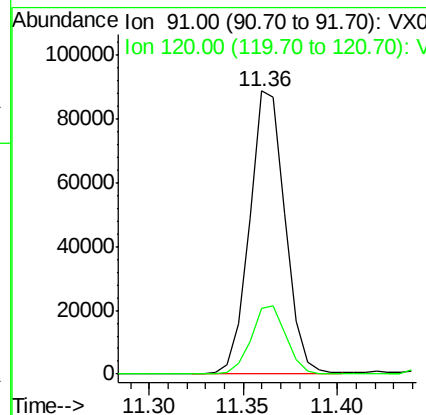
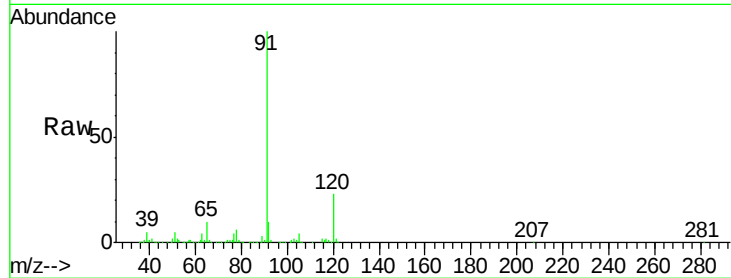
91 100

120 23.9 11.8 35.4

Manual Integrations  
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sam

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#84

1,2,4-Trimethylbenzene

Concen: 12.66 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003123.D

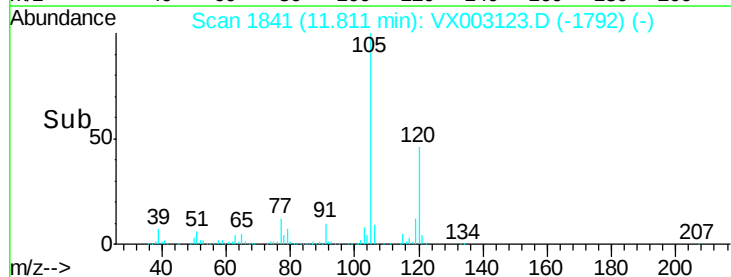
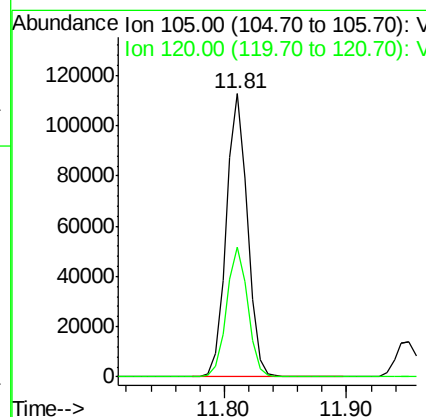
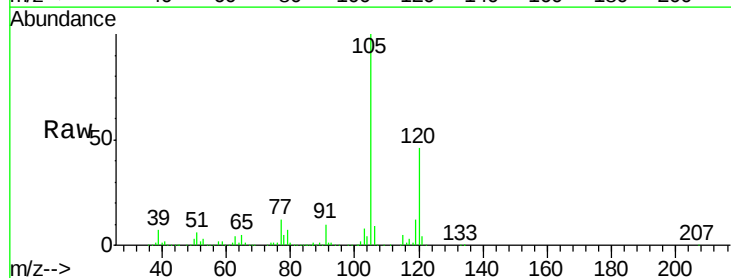
Acq: 02 Jul 2018 13:22

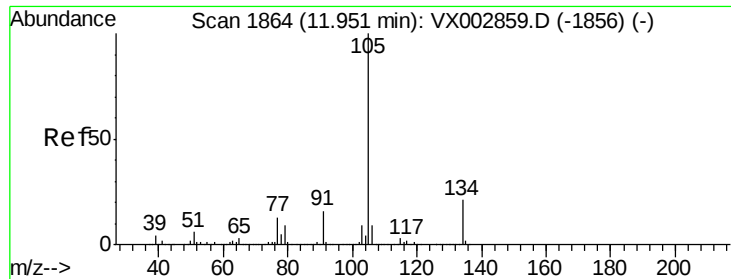
Tgt Ion: 105 Resp: 135444

Ion Ratio Lower Upper

105 100

120 46.2 22.3 66.8





#85

sec-Butylbenzene

Concen: 1.46 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003123.D

Acq: 02 Jul 2018 13:22

Instrument :

MSVOA\_X

ClientSampleId :

S22-0040DL

Tot Ion:105 Resp: 18034

Ion Ratio Lower Upper

105 100

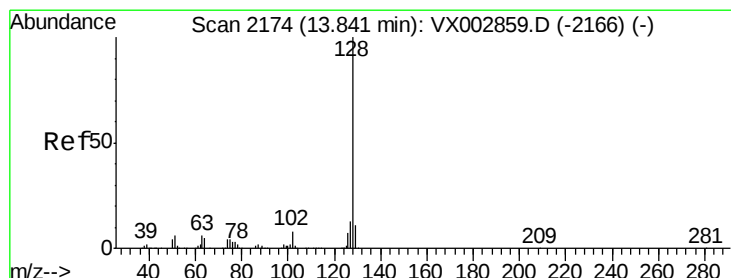
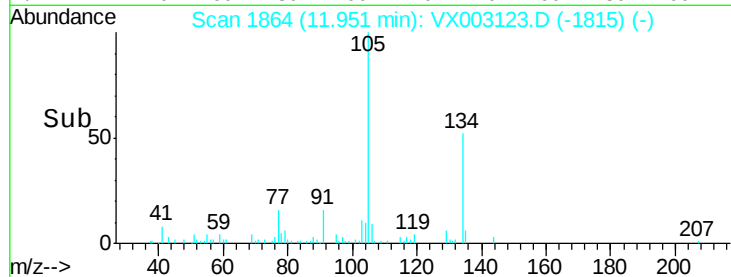
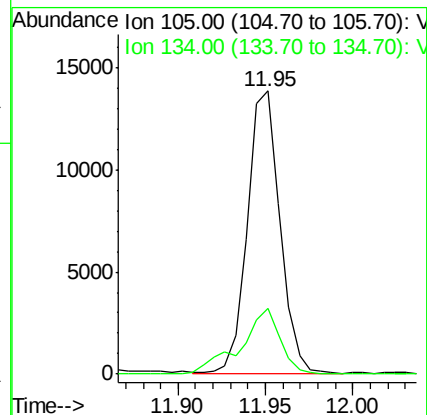
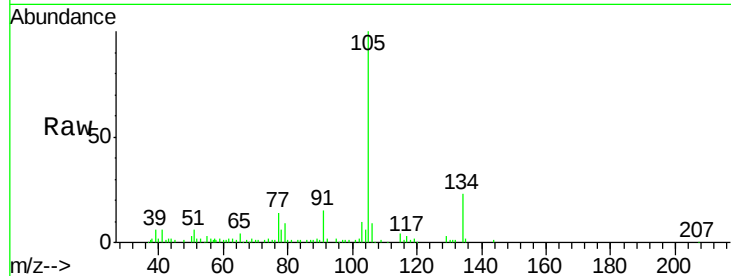
134 28.2 10.4 31.1

Manual Integrations

APPROVED

sam

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#95

Naphthalene

Concen: 10.16 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003123.D

Acq: 02 Jul 2018 13:22

Tgt Ion:128 Resp: 126773

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.0 8.6 13.0

