

Data File : VX000349.D  
Acq On : 16 Mar 2018 15:42  
Operator : JC/MD  
Sample : J1808-01  
Misc : 5.32g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-04-12-13

Manual Integrations  
APPROVED

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3/19/2018 5:32:05 PM

Quant Time: Mar 17 00:55:18 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X031418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 15 03:39:21 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 128071   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 225204   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.13 | 117  | 317135   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 189463   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 84011    | 47.42 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.84%  |      |
| 35) Dibromofluoromethane    | 5.52   | 113 | 62613    | 44.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.14%  |      |
| 50) Toluene-d8              | 8.73   | 98  | 396190   | 66.84 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 133.68% |      |
| 62) 4-Bromofluorobenzene    | 11.15  | 95  | 180160   | 75.79 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 151.58% |      |

| Target Compounds           | R.T.  | QIon | Response  | Conc    | Units  | Qvalue |
|----------------------------|-------|------|-----------|---------|--------|--------|
| 16) Acetone                | 2.49  | 43   | 8179      | 6.91    | ug/l   | 94     |
| 18) Methyl Acetate         | 2.81  | 43   | 31961     | 12.07   | ug/l # | 78     |
| 31) Cyclohexane            | 5.57  | 56   | 292648    | 146.13  | ug/l   | 95     |
| 39) Methylcyclohexane      | 7.46  | 83   | 1398502   | 585.96  | ug/l   | 95     |
| 40) Benzene                | 6.15  | 78   | 90460     | 15.58   | ug/l   | 98     |
| 52) Toluene                | 8.79  | 92   | 466496    | 114.39  | ug/l   | 100    |
| 67) Ethyl Benzene          | 10.27 | 91   | 6668172   | 605.62  | ug/l   | 95     |
| 68) m/p-Xylenes            | 10.38 | 106  | 8141987   | 1897.99 | ug/l   | 78     |
| 69) o-Xylene               | 10.71 | 106  | 1903856   | 456.86  | ug/l   | 95     |
| 73) Isopropylbenzene       | 11.03 | 105  | 1361853   | 119.34  | ug/l   | 99     |
| 78) n-propylbenzene        | 11.37 | 91   | 6242386   | 453.65  | ug/l   | 97     |
| 80) 1,3,5-Trimethylbenzene | 11.52 | 105  | 8383436   | 862.42  | ug/l   | 94     |
| 84) 1,2,4-Trimethylbenzene | 11.82 | 105  | 15572650m | 1558.19 | ug/l   |        |
| 85) sec-Butylbenzene       | 11.96 | 105  | 592925    | 49.94   | ug/l # | 56     |
| 86) p-Isopropyltoluene     | 12.08 | 119  | 472433    | 44.71   | ug/l   | 99     |
| 95) Naphthalene            | 13.85 | 128  | 4627756   | 325.18  | ug/l   | 99     |

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

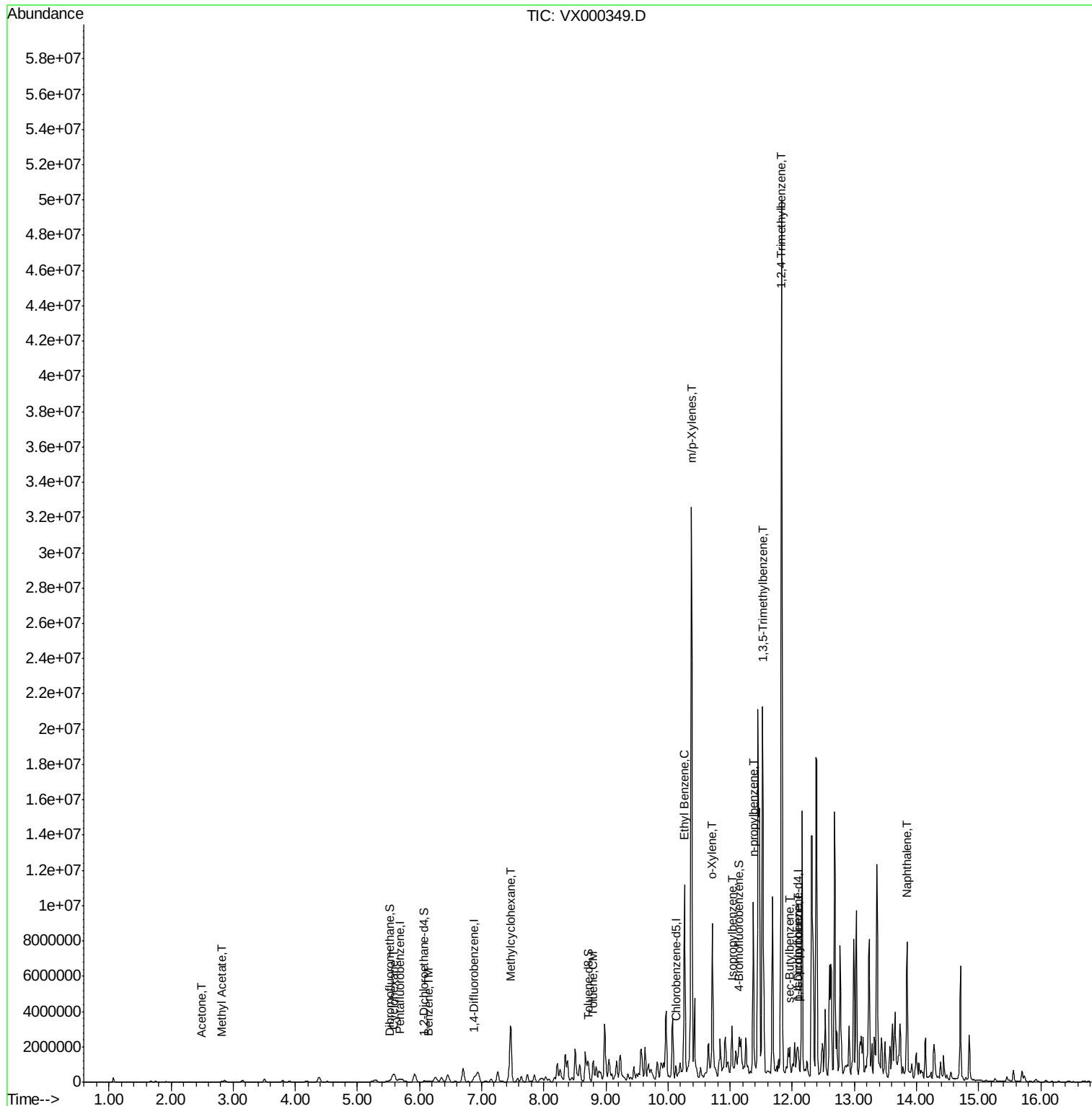
Data File : VX000349.D  
Acq On : 16 Mar 2018 15:42  
Operator : JC/MD  
Sample : J1808-01  
Misc : 5.32g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 6 Sample Multiplier: 1

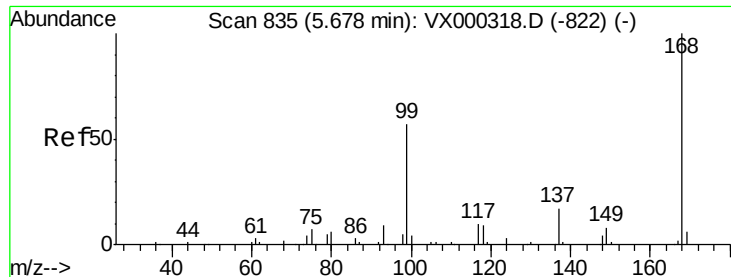
Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-04-12-13

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Quant Time: Mar 17 00:55:18 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X031418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 15 03:39:21 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000349.D

Acq: 16 Mar 2018 15:42

Instrument :

MSVOA\_X

ClientSampleId :

SB-04-12-13

Tgt Ion:168 Resp: 128071

Ion Ratio Lower Upper

168 100

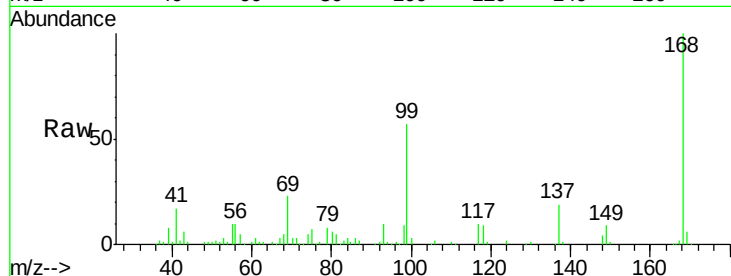
99 56.3 45.8 68.6

Manual Integrations

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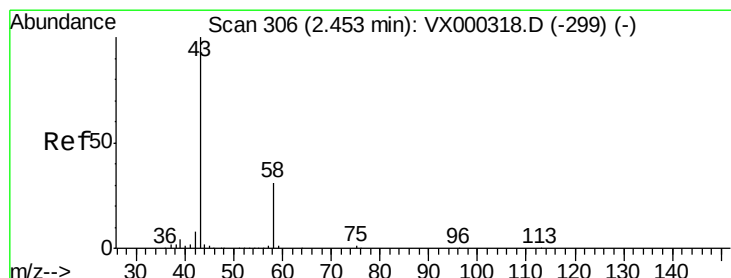
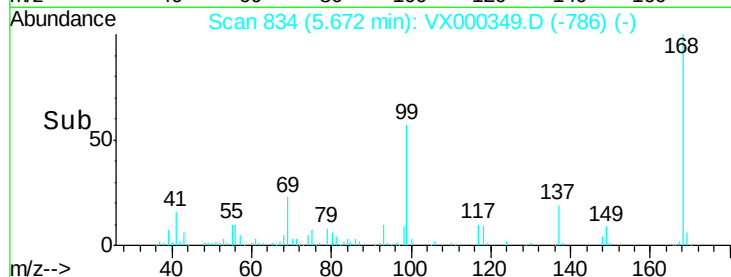
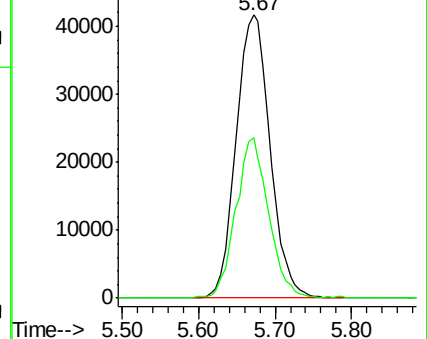
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 6.91 ug/l

RT: 2.49 min Scan# 312

Delta R.T. 0.04 min

Lab File: VX000349.D

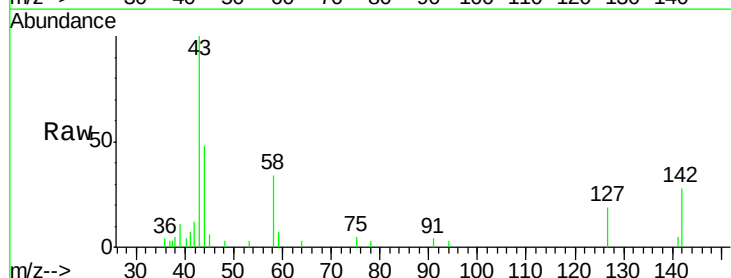
Acq: 16 Mar 2018 15:42

Tgt Ion: 43 Resp: 8179

Ion Ratio Lower Upper

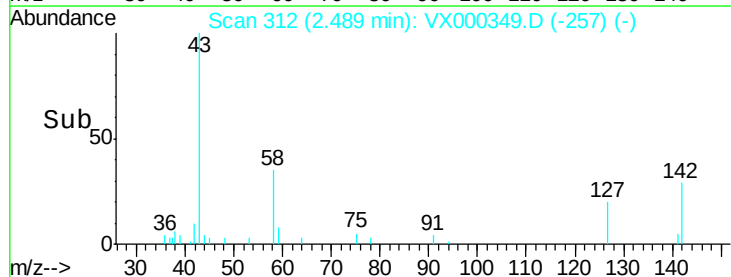
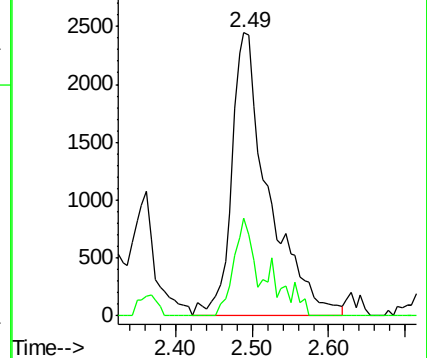
43 100

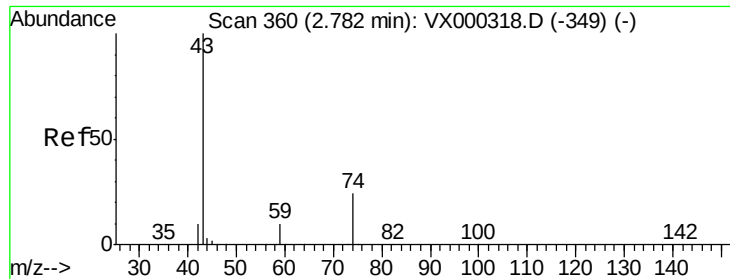
58 34.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





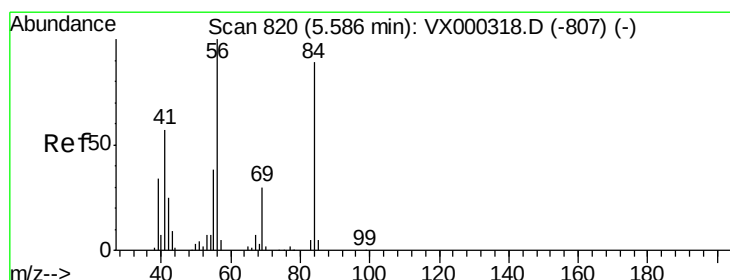
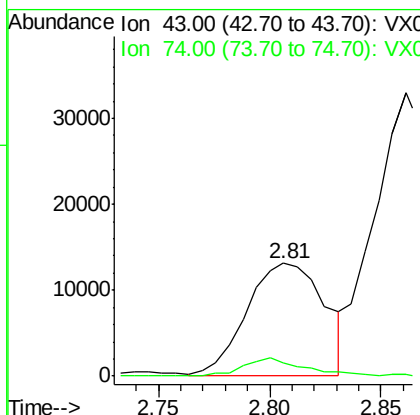
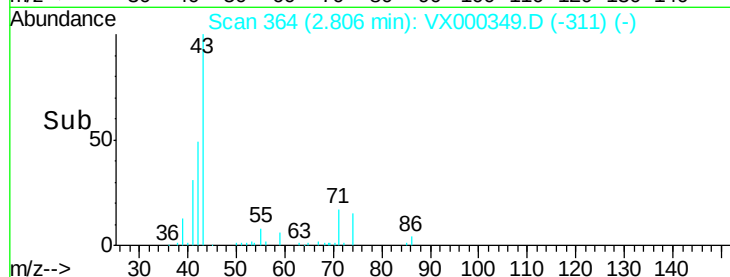
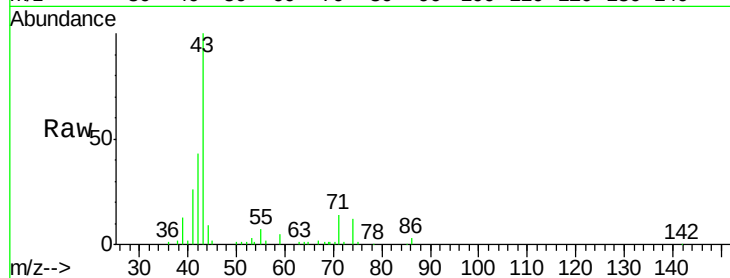
#18  
Methyl Acetate  
Concen: 12.07 ug/l  
RT: 2.81 min Scan# 364  
Delta R.T. 0.02 min  
Lab File: VX000349.D  
Acq: 16 Mar 2018 15:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-04-12-13

Tgt Ion: 43 Resp: 31961  
Ion Ratio Lower Upper  
43 100  
74 13.3 19.4 29.2#

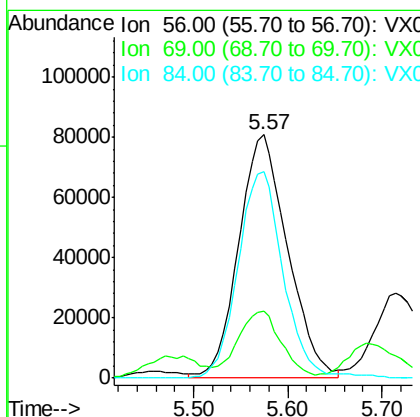
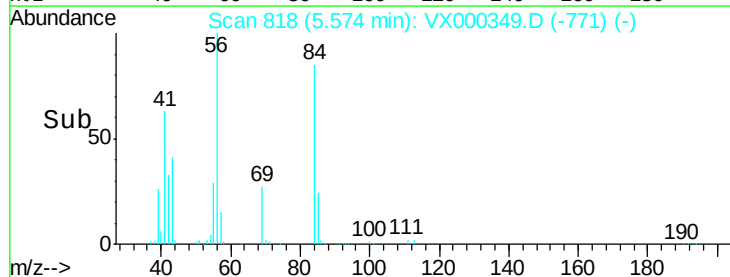
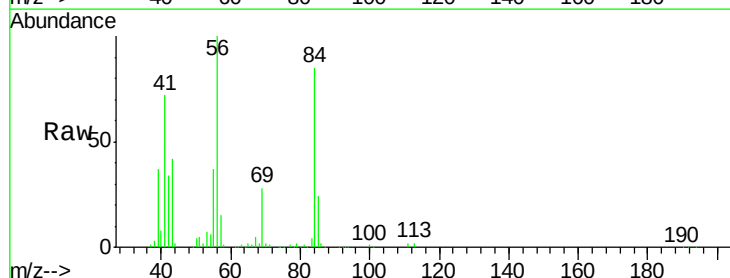
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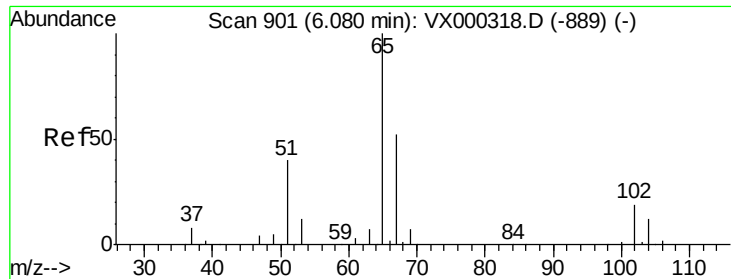
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#31  
Cyclohexane  
Concen: 146.13 ug/l  
RT: 5.57 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: VX000349.D  
Acq: 16 Mar 2018 15:42

Tgt Ion: 56 Resp: 292648  
Ion Ratio Lower Upper  
56 100  
69 23.8 23.4 35.0  
84 85.9 71.0 106.4





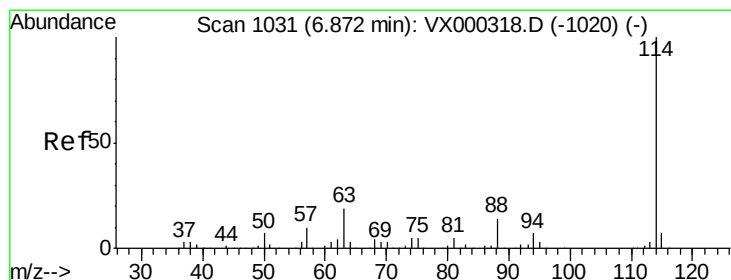
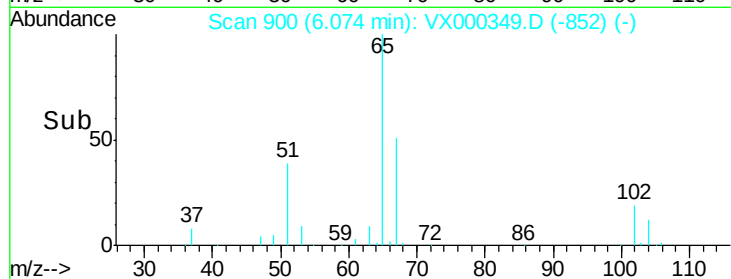
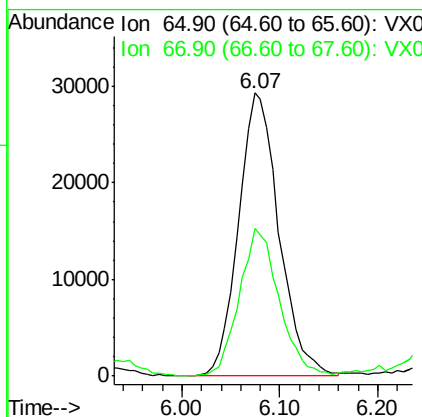
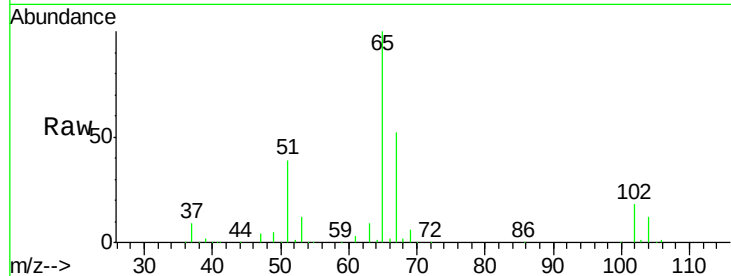
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.42 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. -0.01 min  
 Lab File: VX000349.D  
 Acq: 16 Mar 2018 15:42

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 SB-04-12-13

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 65      | 100   | 84011 |       |       |
| 67      | 51.3  | 0.0   | 103.2 |       |

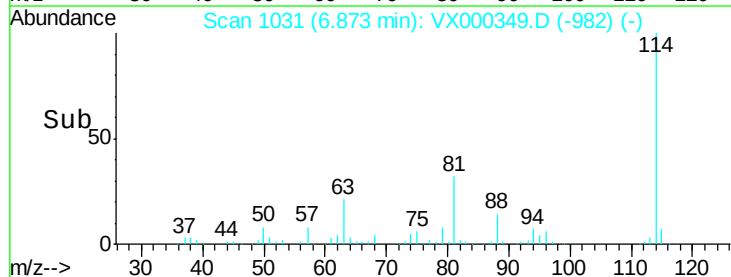
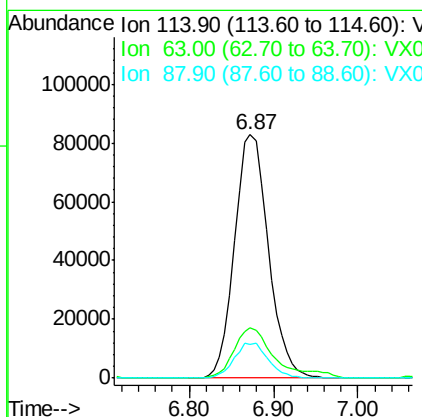
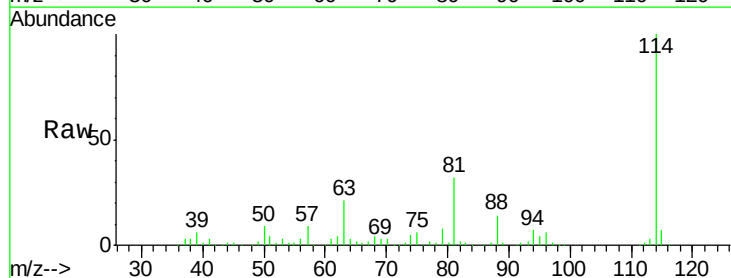
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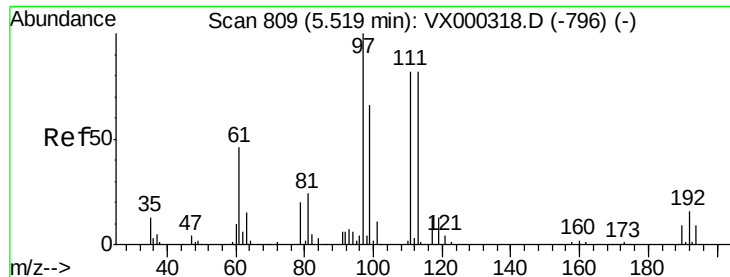
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1031  
 Delta R.T. 0.00 min  
 Lab File: VX000349.D  
 Acq: 16 Mar 2018 15:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 225204 |       |       |
| 63      | 20.8  | 0.0    | 38.4  |       |
| 88      | 14.1  | 0.0    | 27.0  |       |





#35

Dibromofluoromethane

Concen: 44.07 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.00 min

Lab File: VX000349.D

Acq: 16 Mar 2018 15:42

Instrument :

MSVOA\_X

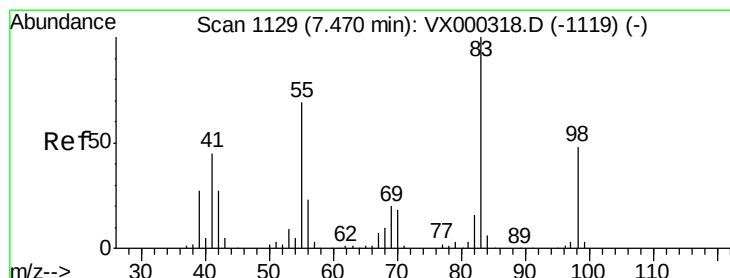
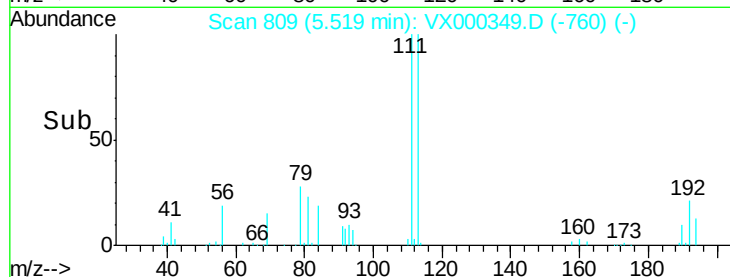
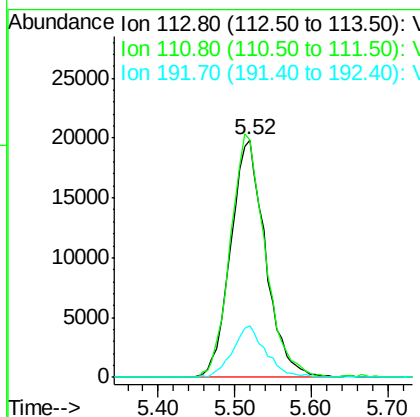
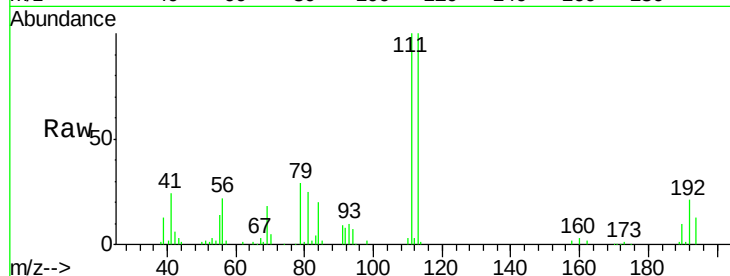
ClientSampleId :

SB-04-12-13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 62613 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.5 | 82.4  | 123.6 |
| 192      | 20.5  | 15.8  | 23.6  |

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#39

Methylcyclohexane

Concen: 585.96 ug/l

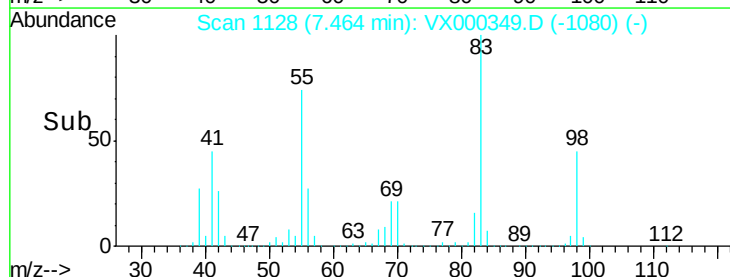
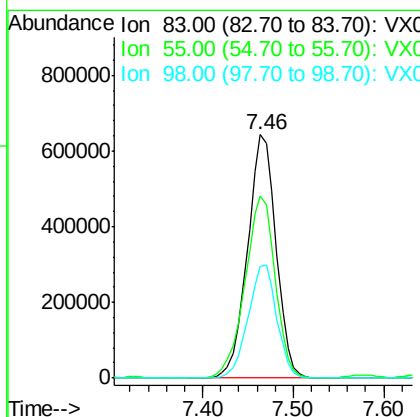
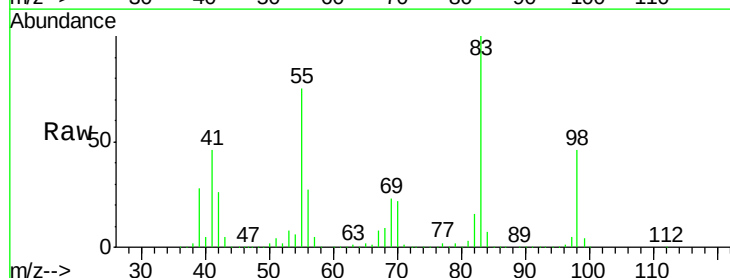
RT: 7.46 min Scan# 1128

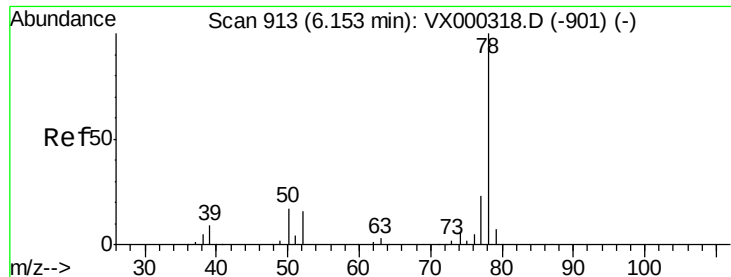
Delta R.T. -0.01 min

Lab File: VX000349.D

Acq: 16 Mar 2018 15:42

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 83    | Resp: | 1398502 |
| Ion      | Ratio | Lower | Upper   |
| 83       | 100   |       |         |
| 55       | 74.5  | 55.5  | 83.3    |
| 98       | 46.1  | 38.2  | 57.4    |





#40

Benzene

Concen: 15.58 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VX000349.D

Acq: 16 Mar 2018 15:42

Instrument :

MSVOA\_X

ClientSampleId :

SB-04-12-13

Tgt Ion: 78 Resp: 90460

Ion Ratio Lower Upper

78 100

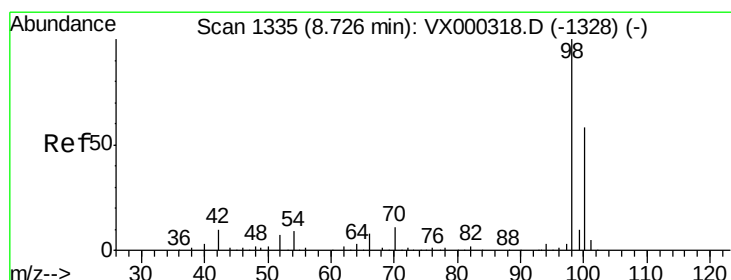
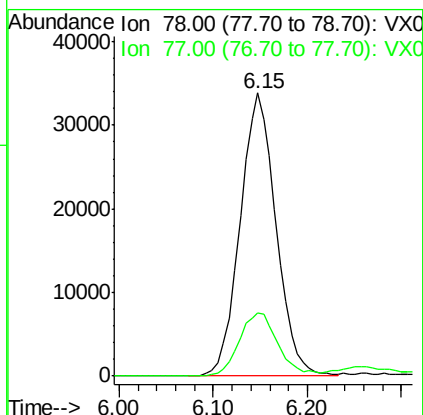
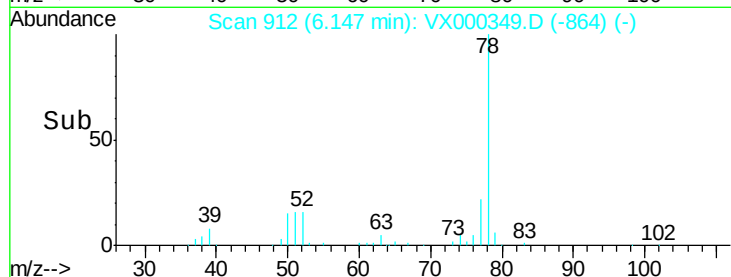
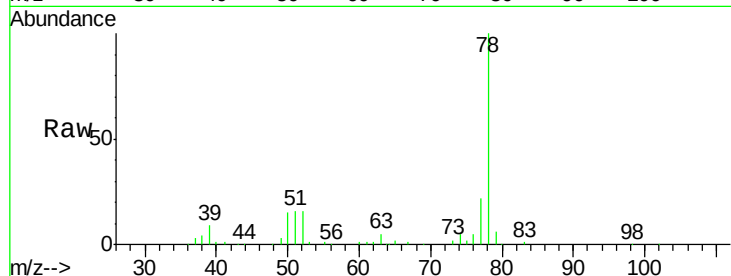
77 22.2 18.7 28.1

Manual Integrations

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#50

Toluene-d8

Concen: 66.84 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000349.D

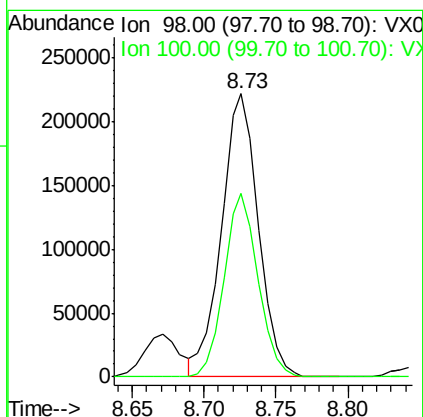
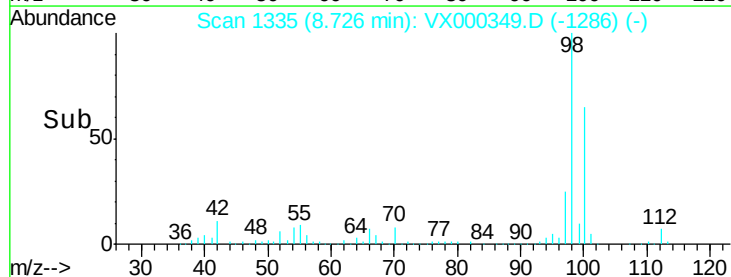
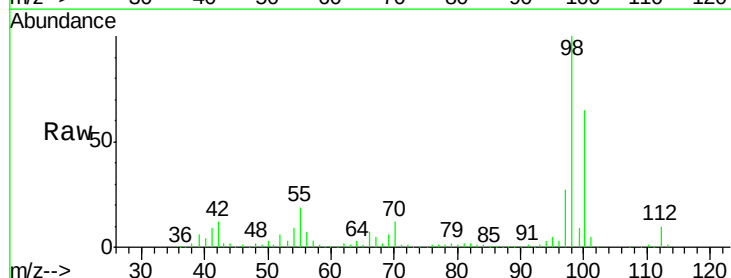
Acq: 16 Mar 2018 15:42

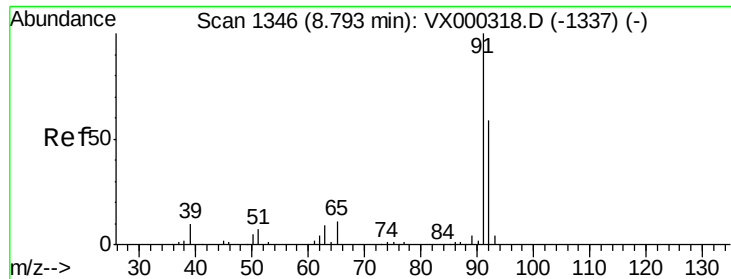
Tgt Ion: 98 Resp: 396190

Ion Ratio Lower Upper

98 100

100 59.8 51.2 76.8





#52

Toluene

Concen: 114.39 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000349.D

Acq: 16 Mar 2018 15:42

Instrument :

MSVOA\_X

ClientSampled :

SB-04-12-13

Tgt Ion: 92 Resp: 466496

Ion Ratio Lower Upper

92 100

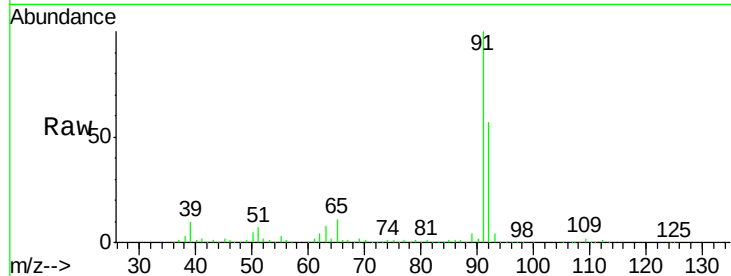
91 174.6 140.2 210.2

Manual Integrations

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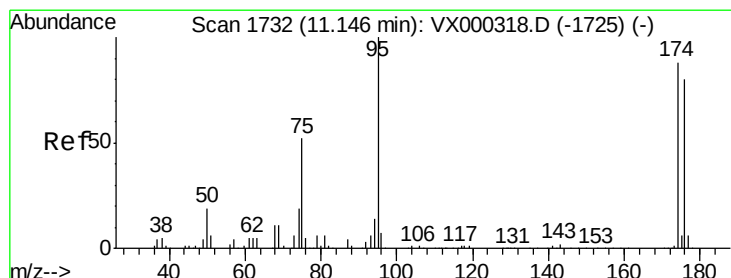
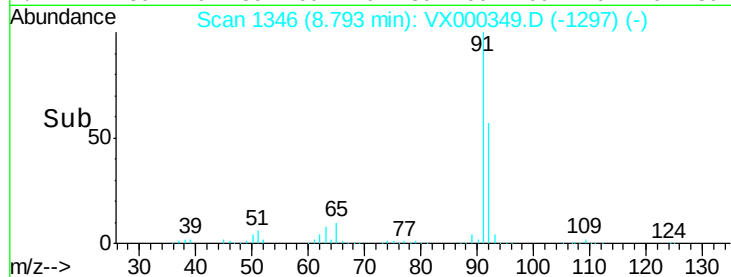
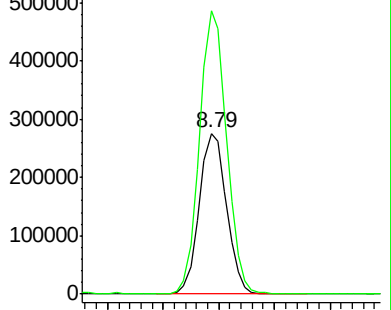
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 75.79 ug/l

RT: 11.15 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VX000349.D

Acq: 16 Mar 2018 15:42

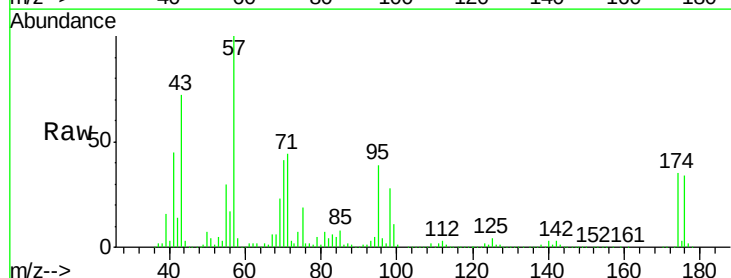
Tgt Ion: 95 Resp: 180160

Ion Ratio Lower Upper

95 100

174 81.9 0.0 173.6

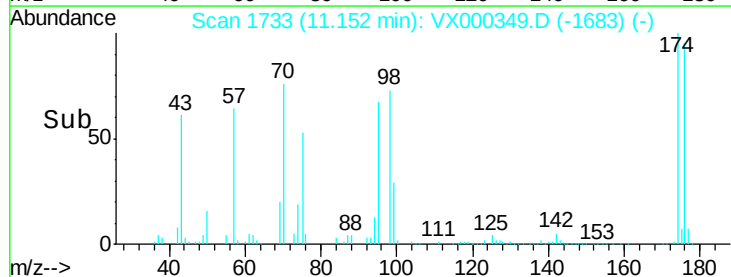
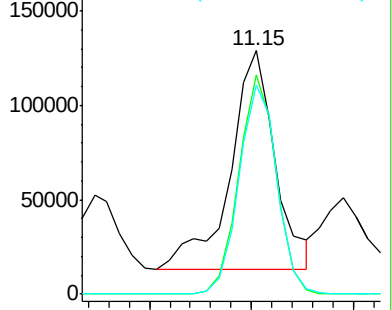
176 80.1 0.0 164.6



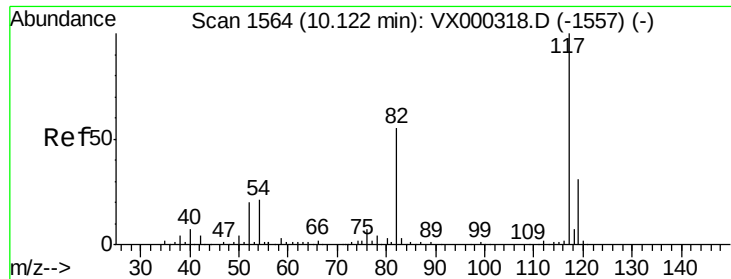
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V







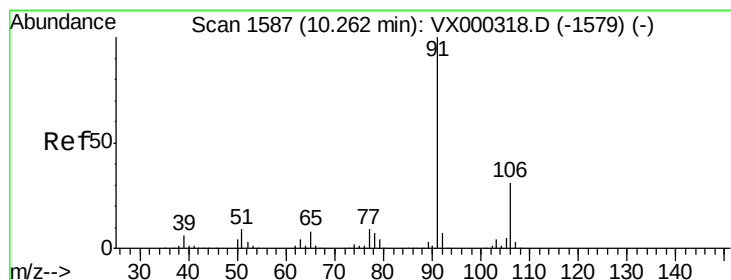
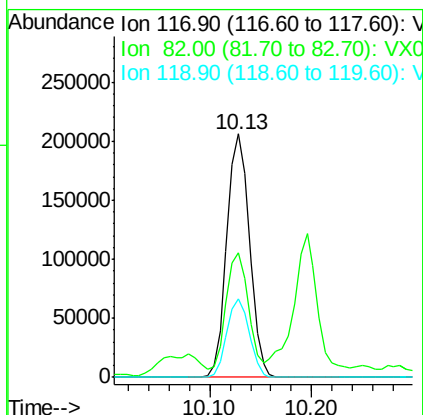
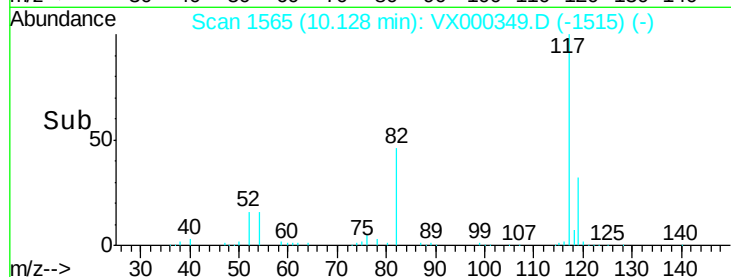
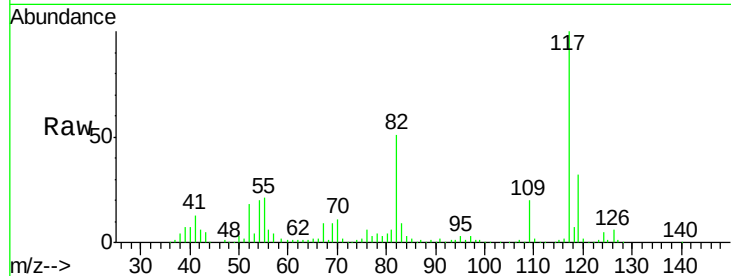
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.13 min Scan# 1565  
Delta R.T. 0.01 min  
Lab File: VX000349.D  
Acq: 16 Mar 2018 15:42

Instrument :  
MSVOA\_X  
ClientSampled :  
SB-04-12-13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 317135 |       |       |
| 82      | 45.9  | 43.8   | 65.8  |       |
| 119     | 32.2  | 24.9   | 37.3  |       |

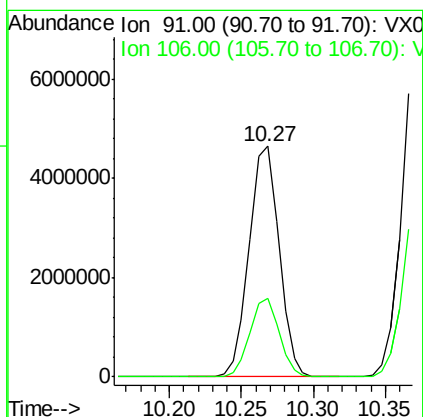
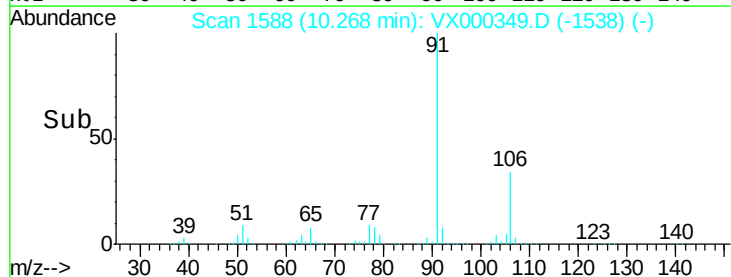
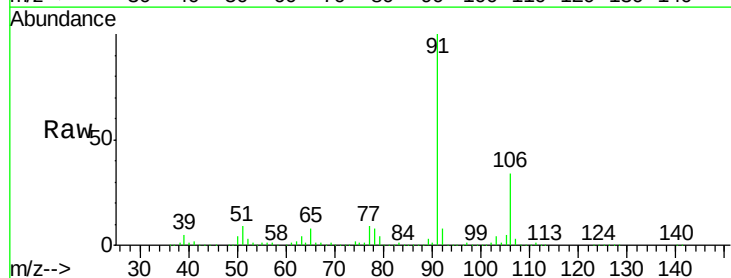
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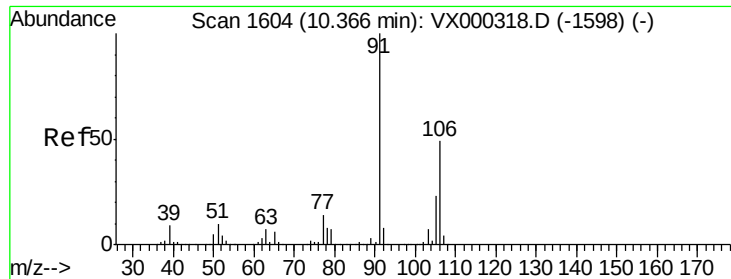
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#67  
Ethyl Benzene  
Concen: 605.62 ug/l  
RT: 10.27 min Scan# 1588  
Delta R.T. 0.01 min  
Lab File: VX000349.D  
Acq: 16 Mar 2018 15:42

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 91      | 100   | 6668172 |       |       |
| 106     | 34.2  | 25.0    | 37.6  |       |





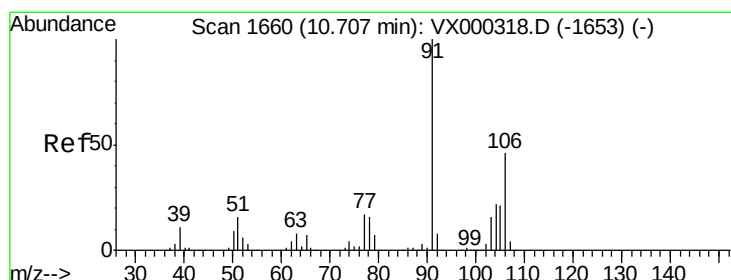
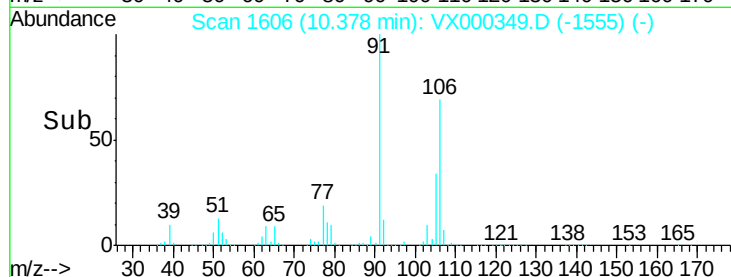
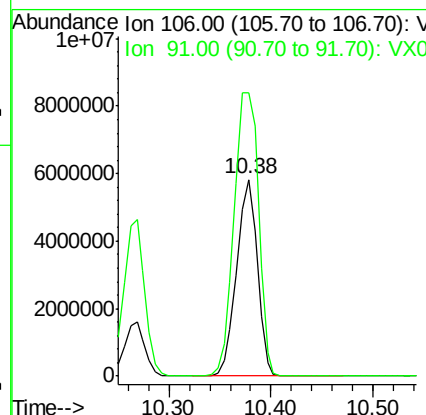
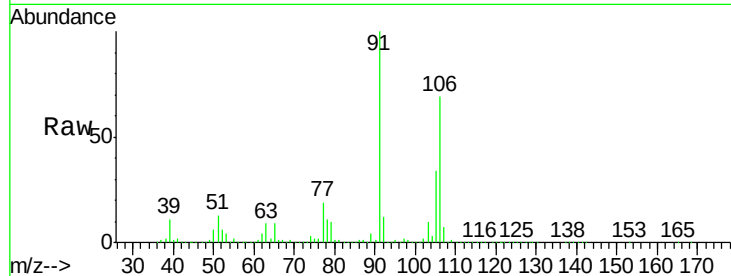
#68  
m/p-Xylenes  
Concen: 1897.99 ug/l  
RT: 10.38 min Scan# 1606  
Delta R.T. 0.01 min  
Lab File: VX000349.D  
Acq: 16 Mar 2018 15:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-04-12-13

Tgt Ion:106 Resp: 8141987  
Ion Ratio Lower Upper  
106 100  
91 170.4 163.4 245.2

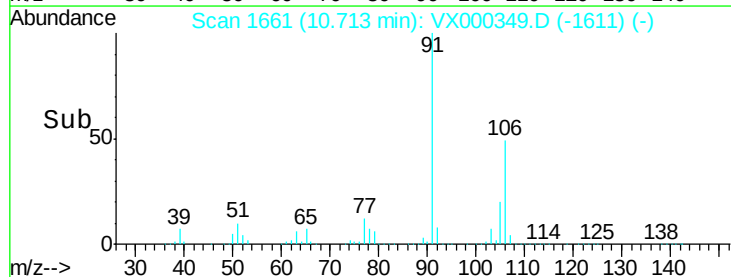
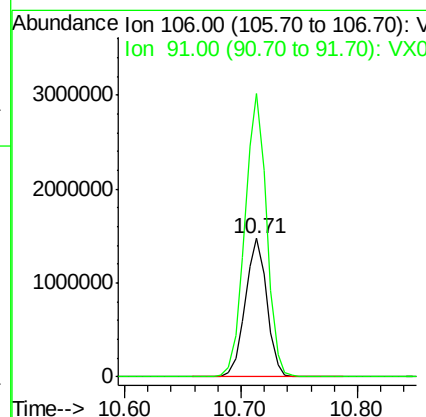
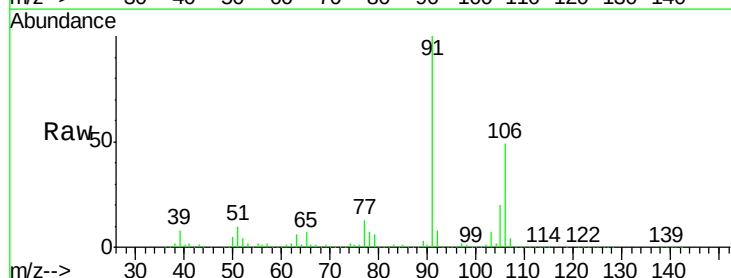
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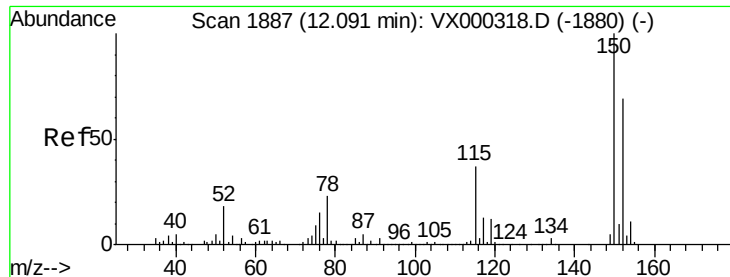
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#69  
o-Xylene  
Concen: 456.86 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. 0.01 min  
Lab File: VX000349.D  
Acq: 16 Mar 2018 15:42

Tgt Ion:106 Resp: 1903856  
Ion Ratio Lower Upper  
106 100  
91 206.0 106.5 319.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VX000349.D

Acq: 16 Mar 2018 15:42

Instrument :

MSVOA\_X

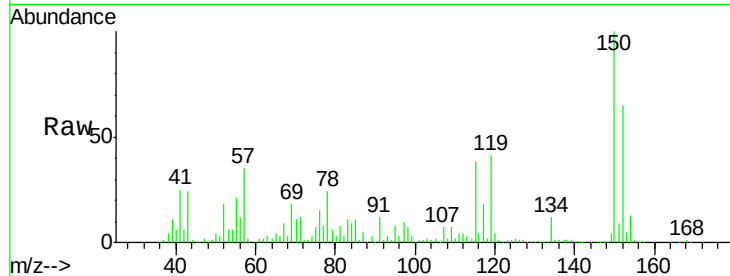
ClientSampled :

SB-04-12-13

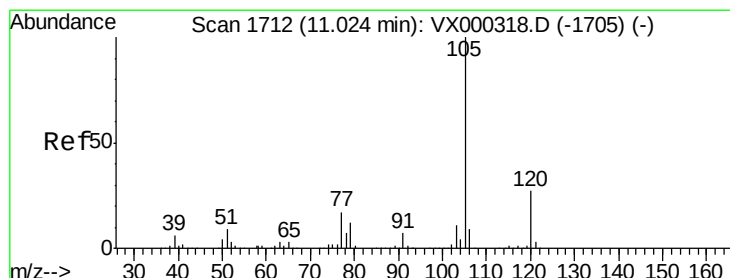
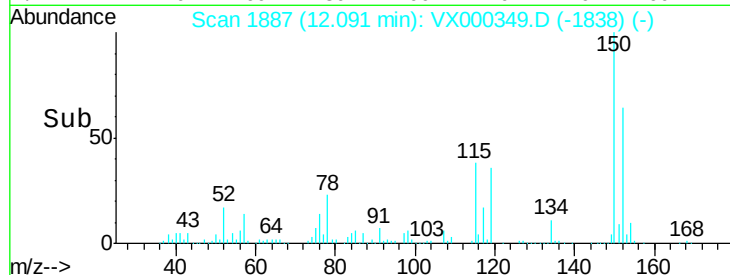
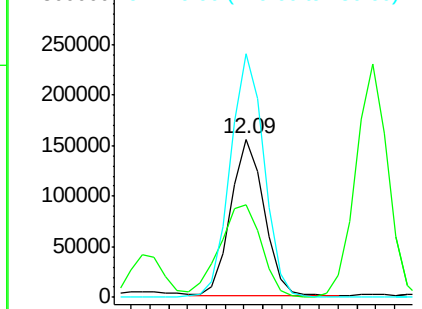
| Tgt | Ion   | Resp   | Lower | Upper |
|-----|-------|--------|-------|-------|
| 152 | 100   | 189463 |       |       |
| 115 | 73.8  | 39.8   | 119.3 |       |
| 150 | 157.5 | 0.0    | 344.4 |       |

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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: 119.34 ug/l

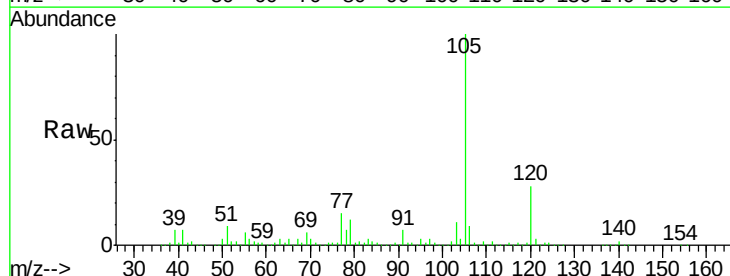
RT: 11.03 min Scan# 1713

Delta R.T. 0.01 min

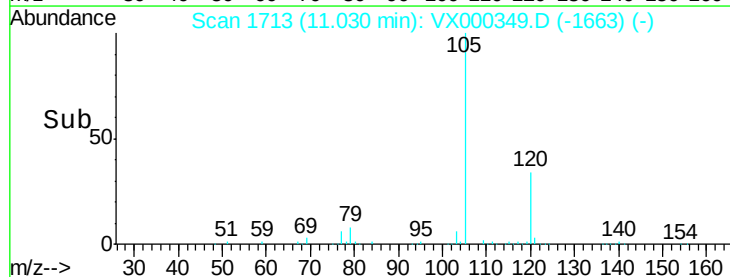
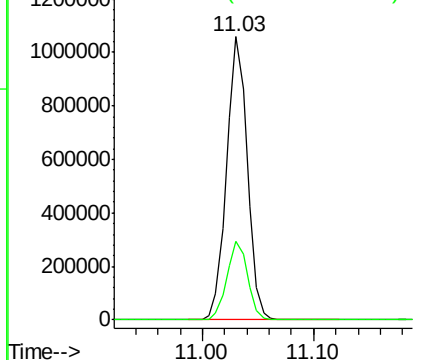
Lab File: VX000349.D

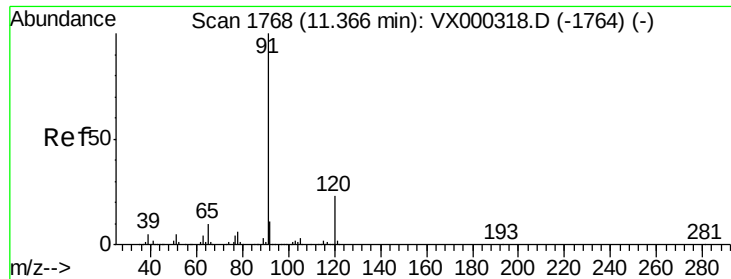
Acq: 16 Mar 2018 15:42

| Tgt | Ion  | Resp    | Lower | Upper |
|-----|------|---------|-------|-------|
| 105 | 100  | 1361853 |       |       |
| 120 | 27.7 | 13.6    | 40.7  |       |



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





#78

n-propylbenzene

Concen: 453.65 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VX000349.D

Acq: 16 Mar 2018 15:42

Instrument :

MSVOA\_X

ClientSampled :

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Tgt Ion: 91 Resp: 6242386

Ion Ratio Lower Upper

91 100

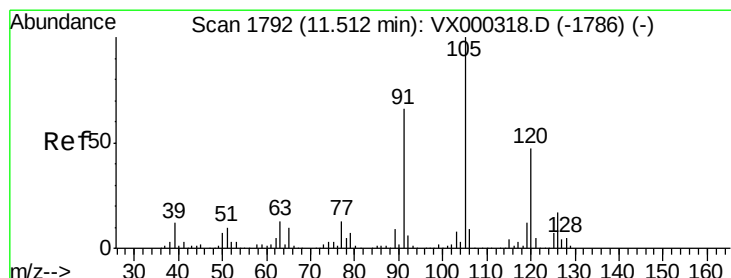
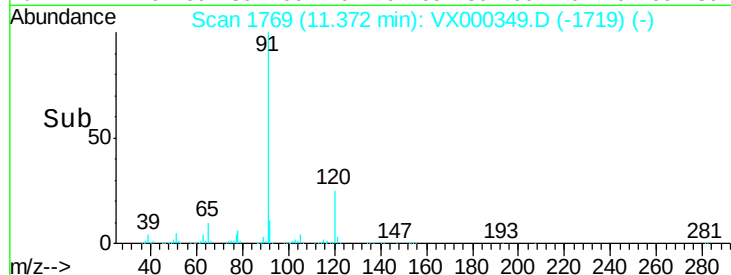
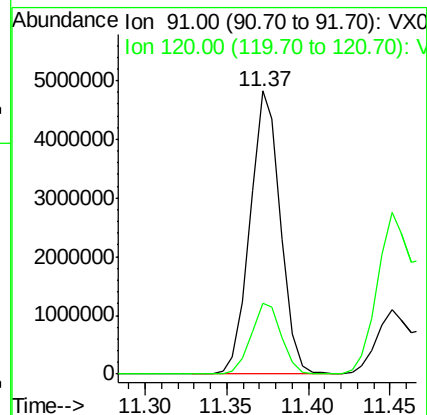
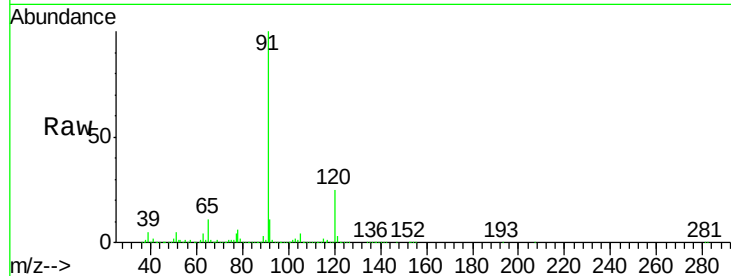
120 25.0 11.8 35.3

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#80

1,3,5-Trimethylbenzene

Concen: 862.42 ug/l

RT: 11.52 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VX000349.D

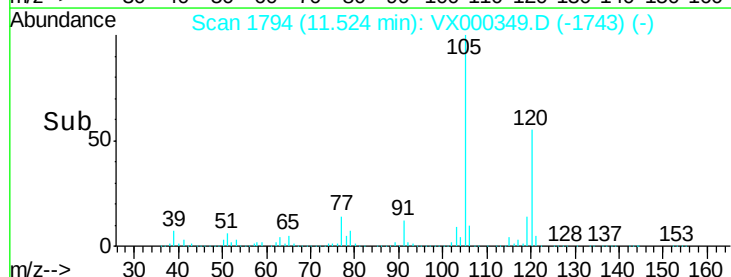
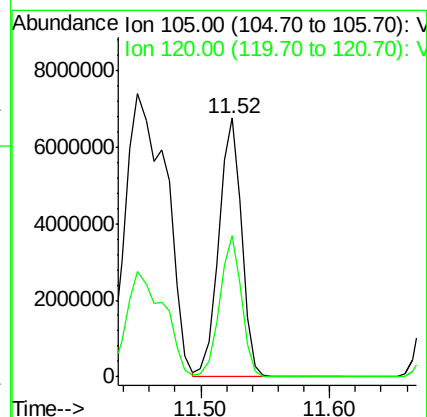
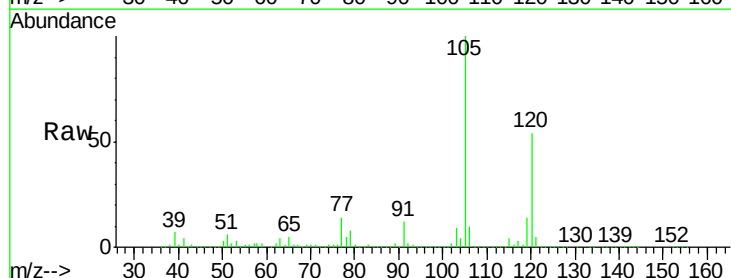
Acq: 16 Mar 2018 15:42

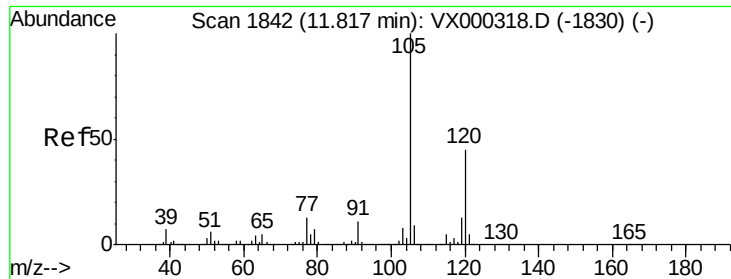
Tgt Ion: 105 Resp: 8383436

Ion Ratio Lower Upper

105 100

120 52.3 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 1558.19 ug/l m

RT: 11.82 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX000349.D

Acq: 16 Mar 2018 15:42

Instrument :

MSVOA\_X

ClientSampleId :

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Tgt Ion:105 Resp:15572650

Ion Ratio Lower Upper

105 100

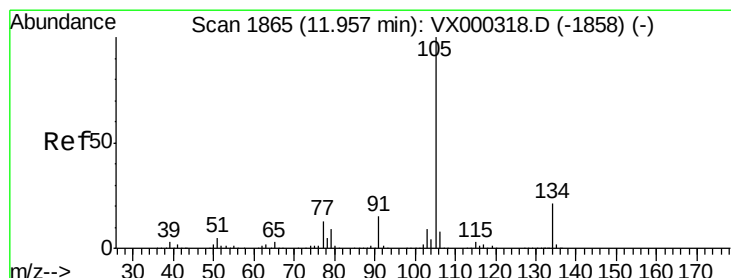
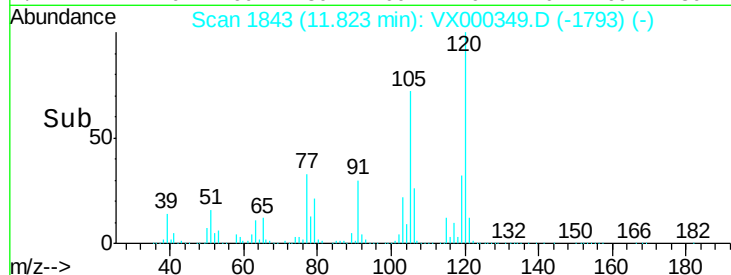
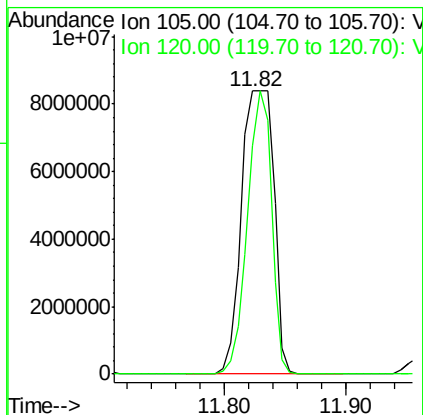
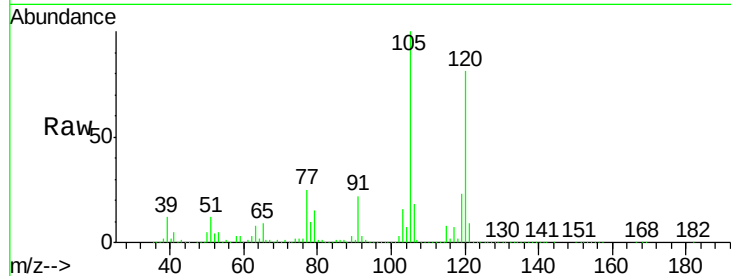
120 10.1 22.4 67.3#

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#85

sec-Butylbenzene

Concen: 49.94 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000349.D

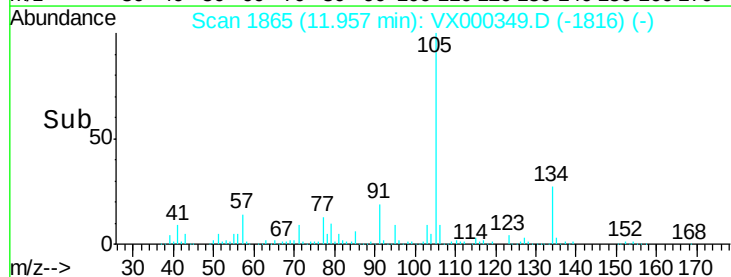
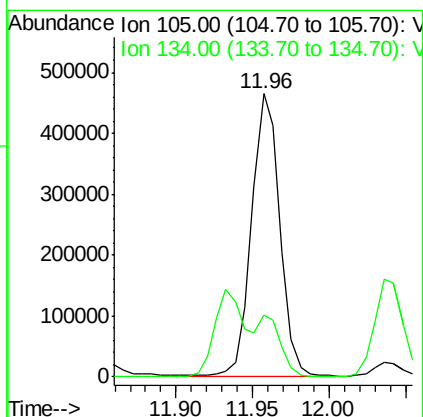
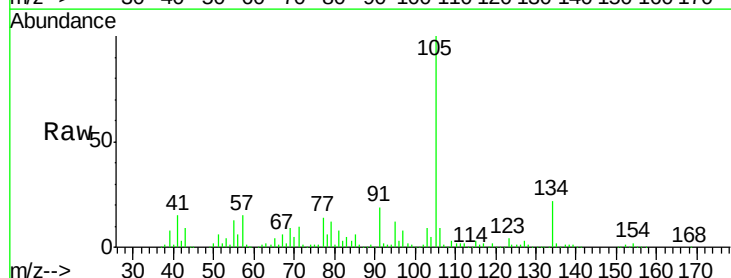
Acq: 16 Mar 2018 15:42

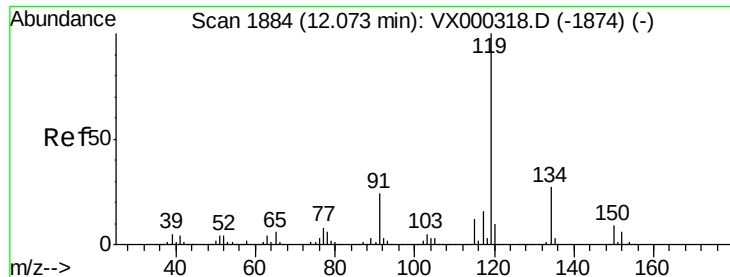
Tgt Ion:105 Resp: 592925

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#





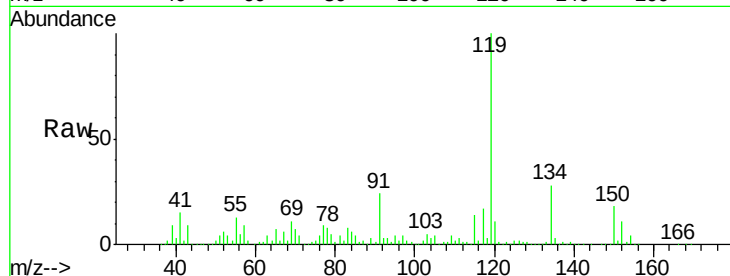
#86  
p-Isopropyltoluene  
Concen: 44.71 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. 0.01 min  
Lab File: VX000349.D  
Acq: 16 Mar 2018 15:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-04-12-13

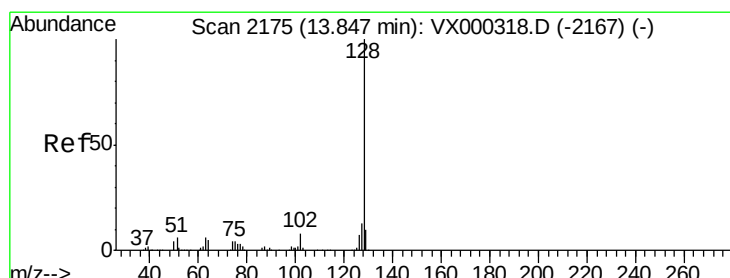
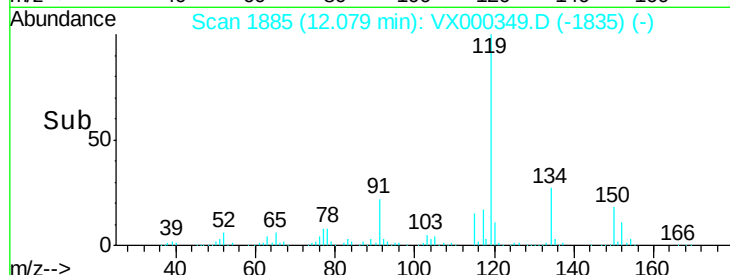
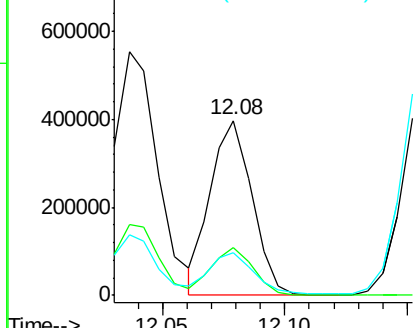
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.3  | 13.3  | 39.9  |
| 91      | 24.3  | 12.0  | 36.1  |

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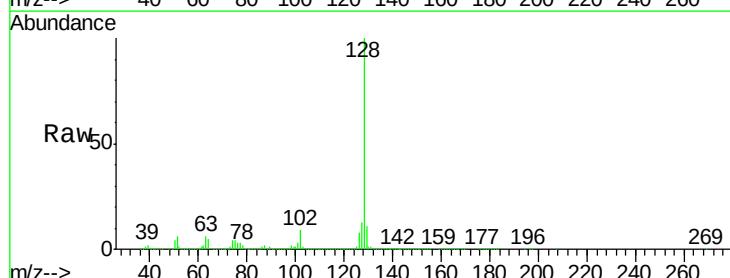


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 134.00 (133.70 to 134.70): V  
Ion 91.00 (90.70 to 91.70): V



#95  
Naphthalene  
Concen: 325.18 ug/l  
RT: 13.85 min Scan# 2175  
Delta R.T. 0.00 min  
Lab File: VX000349.D  
Acq: 16 Mar 2018 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.6  | 15.8  |
| 129     | 11.7  | 8.9   | 13.3  |



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

