

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033018\  
 Data File : VX000567.D  
 Acq On : 30 Mar 2018 18:22  
 Operator : JC/MD  
 Sample : J2106-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 19622

Manual Integrations  
 APPROVED

sam  
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Quant Time: Apr 04 10:53:53 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X032018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 21 04:52:42 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67   | 168  | 160148   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87   | 114  | 287596   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12  | 117  | 362776   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09  | 152  | 154078   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.08   | 65   | 107199   | 51.28  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 102.56% |          |
| 35) Dibromofluoromethane    | 5.52   | 113  | 87509    | 48.29  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 96.58%  |          |
| 50) Toluene-d8              | 8.73   | 98   | 371054   | 49.44  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 98.88%  |          |
| 62) 4-Bromofluorobenzene    | 11.15  | 95   | 141130   | 45.18  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 90.36%  |          |
| Target Compounds            |        |      |          |        |         |          |
|                             |        |      |          |        |         | Qvalue   |
| 13) Acrolein                | 2.29   | 56   | 18997    | 92.49  | ug/l    | 98       |
| 16) Acetone                 | 2.45   | 43   | 1257200  | 722.93 | ug/l    | 99       |
| 18) Methyl Acetate          | 2.79   | 43   | 732556   | 200.93 | ug/l    | 98       |
| 20) Methylene Chloride      | 2.87   | 84   | 50319    | 25.05  | ug/l    | 93       |
| 25) 2-Butanone              | 4.72   | 43   | 19006    | 9.72   | ug/l    | 91       |
| 30) Chloroform              | 5.23   | 83   | 81422    | 25.46  | ug/l    | 100      |
| 40) Benzene                 | 6.15   | 78   | 21166    | 2.71   | ug/l    | 98       |
| 44) Trichloroethene         | 7.22   | 130  | 10520    | 4.69   | ug/l    | 99       |
| 47) Bromodichloromethane    | 7.92   | 83   | 6072     | 2.20   | ug/l    | 93       |
| 52) Toluene                 | 8.79   | 92   | 25435    | 4.65   | ug/l    | 98       |
| 67) Ethyl Benzene           | 10.26  | 91   | 11836    | 0.86   | ug/l    | 90       |
| 68) m/p-Xylenes             | 10.37  | 106  | 12384    | 2.30   | ug/l    | 98       |
| 69) o-Xylene                | 10.71  | 106  | 9101     | 1.75   | ug/l    | 94       |
| 76) 1,2,3-Trichloropropane  | 11.30  | 75   | 3147     | 0.95   | ug/l #  | 36       |
| 84) 1,2,4-Trimethylbenzene  | 11.82  | 105  | 10694    | 1.19   | ug/l    | 77       |
| 86) p-Isopropyltoluene      | 12.07  | 119  | 21189    | 2.23   | ug/l    | 89       |
| 95) Naphthalene             | 13.84  | 128  | 16382m   | 1.30   | ug/l    |          |

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

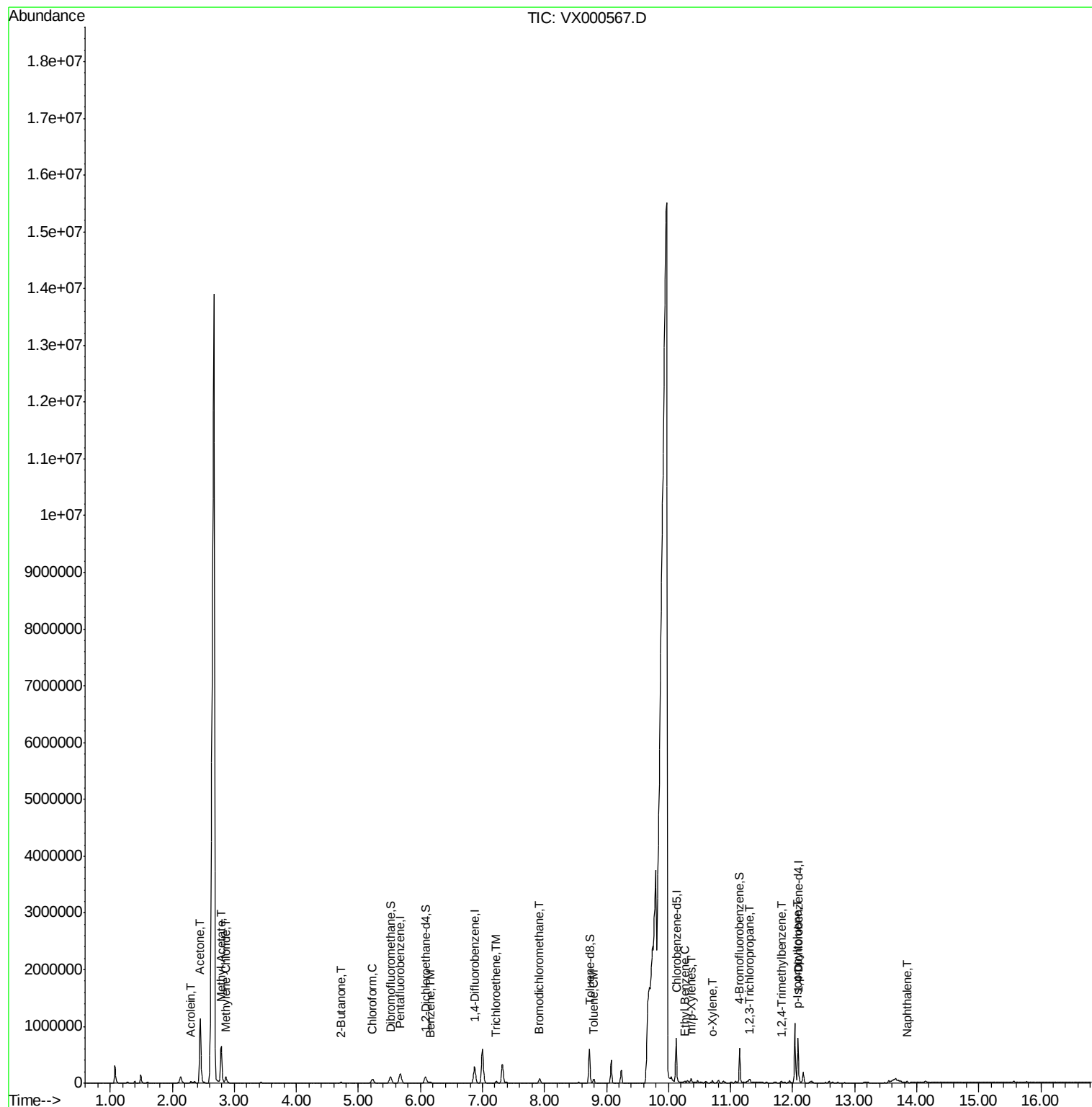
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033018\  
Data File : VX000567.D  
Acq On : 30 Mar 2018 18:22  
Operator : JC/MD  
Sample : J2106-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

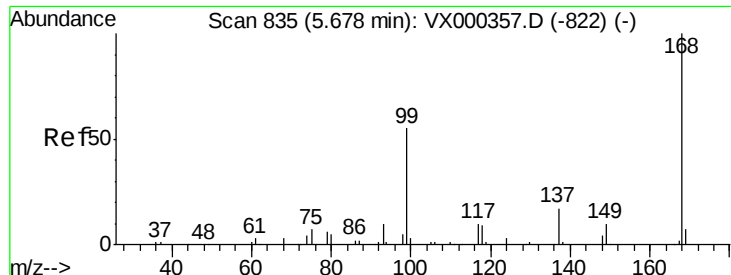
Instrument :  
MSVOA\_X  
ClientSampleId :  
19622

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Quant Time: Apr 04 10:53:53 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X032018W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 21 04:52:42 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: VX000567.D

Acq: 30 Mar 2018 18:22

Instrument :

MSVOA\_X

ClientSampleId :

19622

Tot Ion:168 Resp: 160148

Ion Ratio Lower Upper

168 100

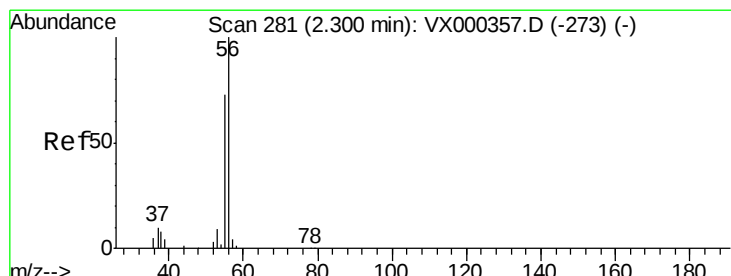
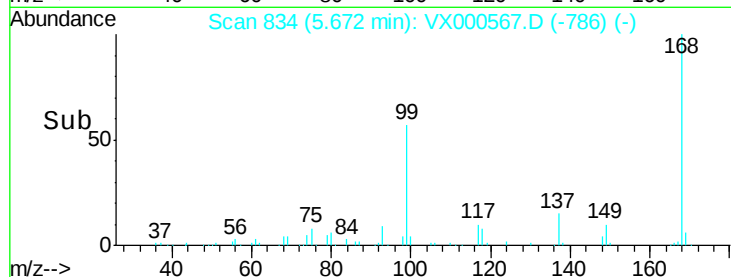
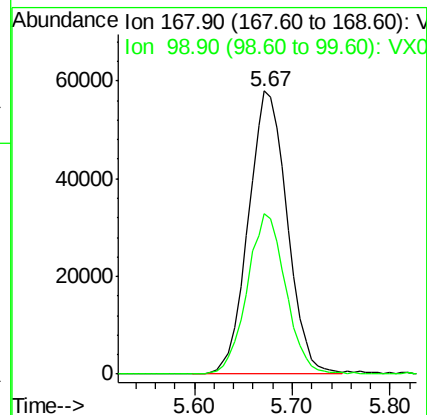
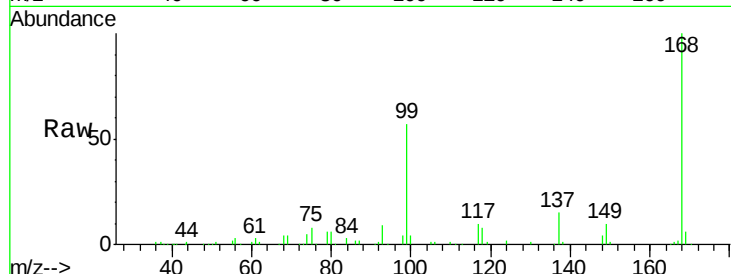
99 56.5 45.8 68.6

Manual Integrations

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#13

Acrolein

Concen: 92.49 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000567.D

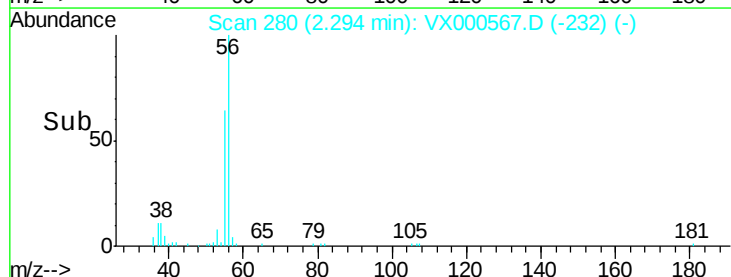
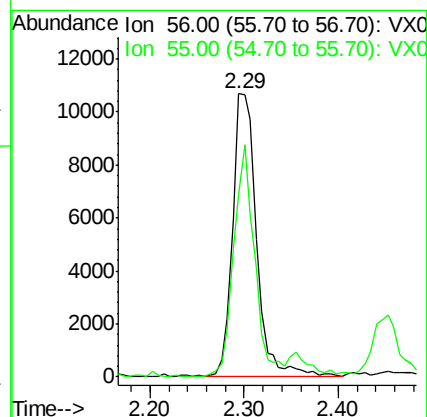
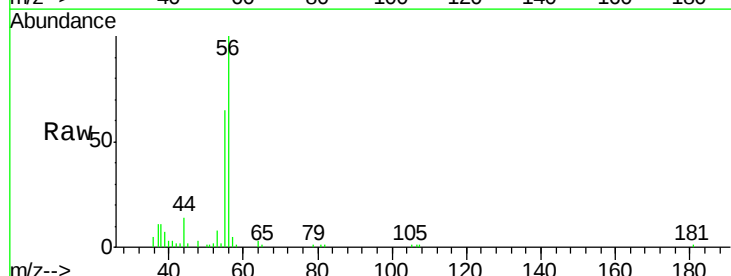
Acq: 30 Mar 2018 18:22

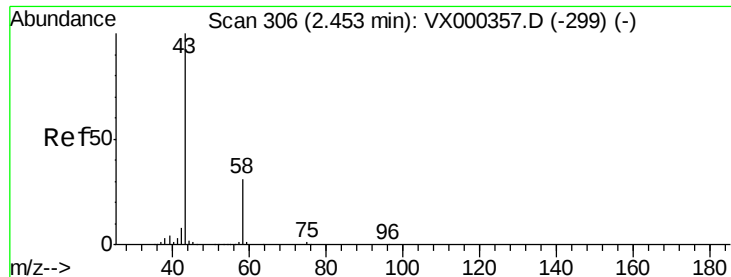
Tgt Ion: 56 Resp: 18997

Ion Ratio Lower Upper

56 100

55 71.7 58.8 88.2





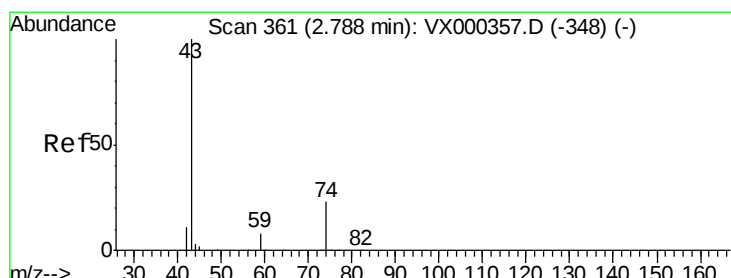
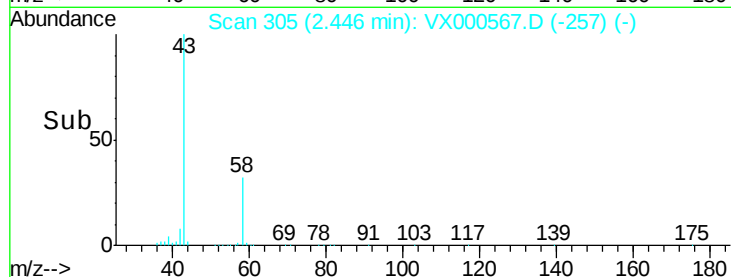
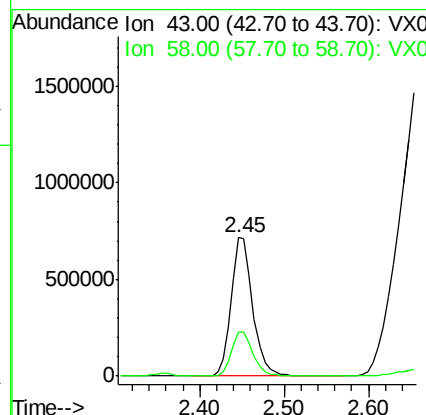
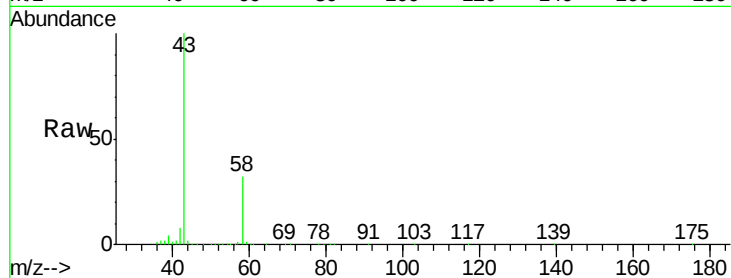
#16  
Acetone  
Concen: 722.93 ug/l  
RT: 2.45 min Scan# 305  
Delta R.T. -0.01 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

Instrument :  
MSVOA\_X  
ClientSampled :  
19622

Tot Ion: 43 Resp: 1257200  
Ion Ratio Lower Upper  
43 100  
58 31.7 24.7 37.1

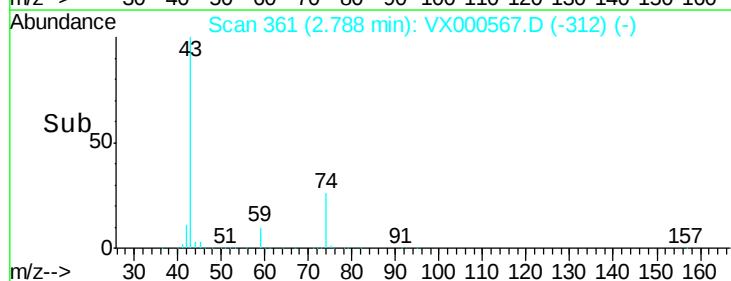
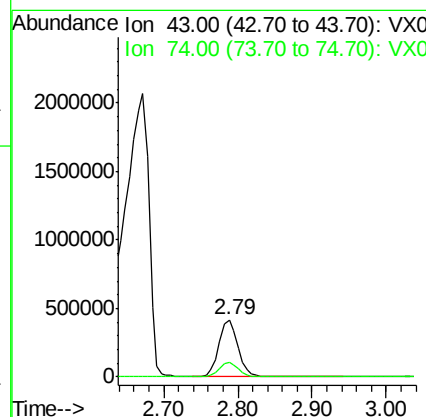
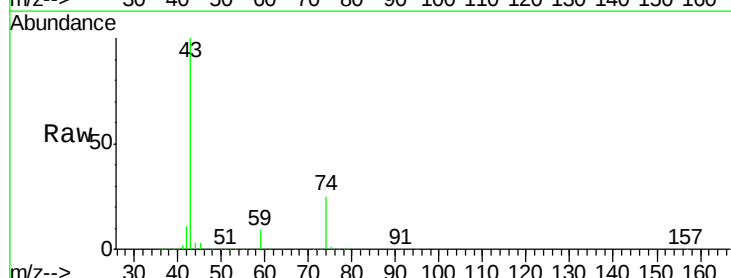
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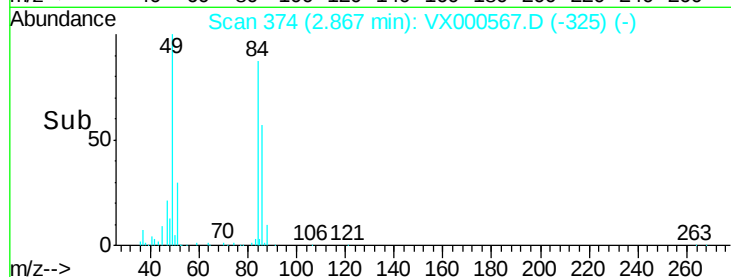
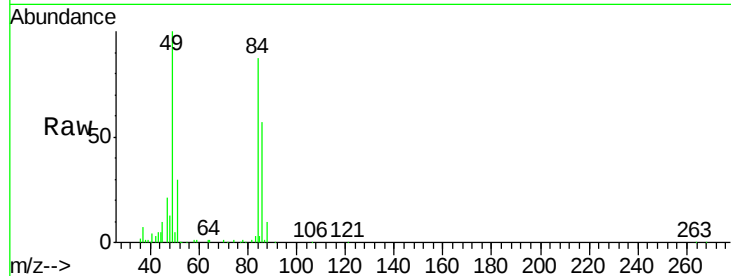
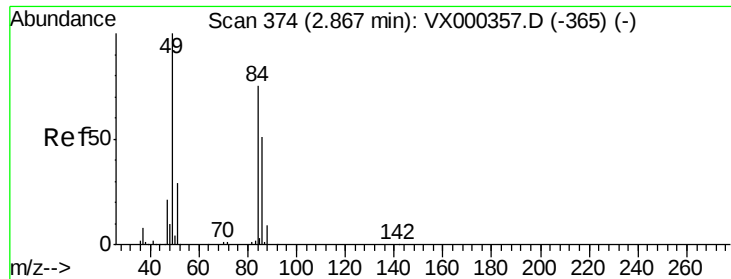
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#18  
Methyl Acetate  
Concen: 200.93 ug/l  
RT: 2.79 min Scan# 361  
Delta R.T. -0.00 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

Tgt Ion: 43 Resp: 732556  
Ion Ratio Lower Upper  
43 100  
74 25.1 19.4 29.2





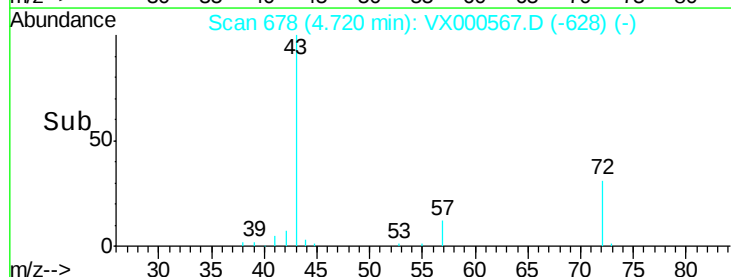
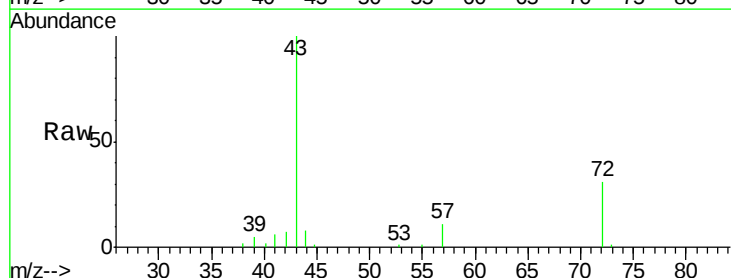
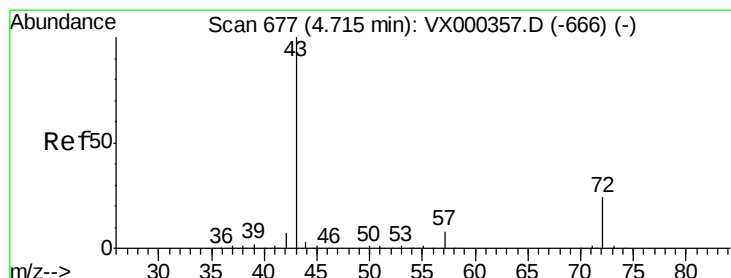
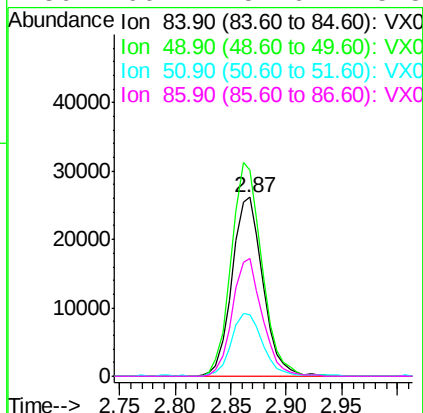
#20  
Methvlene Chloride  
Concen: 25.05 ug/l  
RT: 2.87 min Scan# 374  
Delta R.T. -0.00 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 50319 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 115.5 | 100.6 | 151.0 |
| 51       | 34.5  | 31.6  | 47.4  |
| 86       | 66.2  | 52.6  | 78.8  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
19622

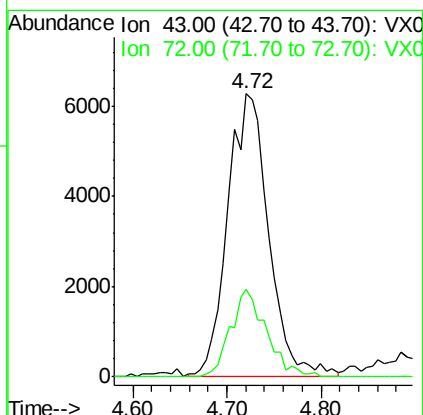
Manual Integrations  
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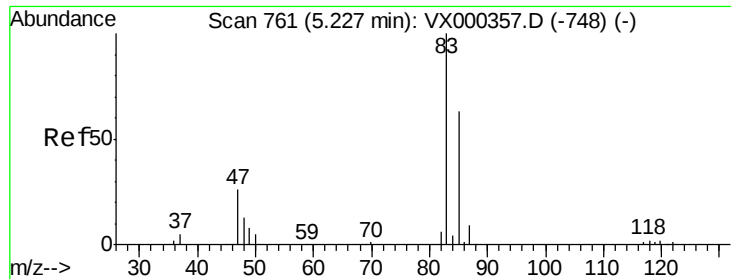
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#25  
2-Butanone  
Concen: 9.72 ug/l  
RT: 4.72 min Scan# 678  
Delta R.T. 0.01 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 19006 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 31.1  | 21.0  | 31.6  |





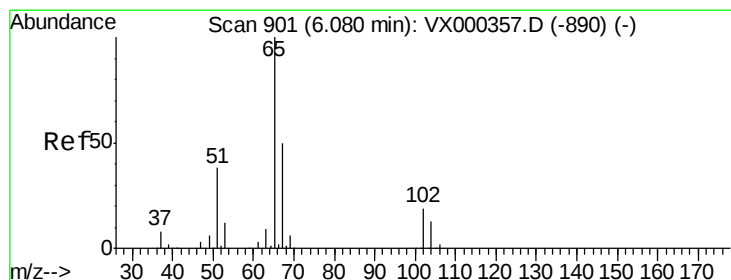
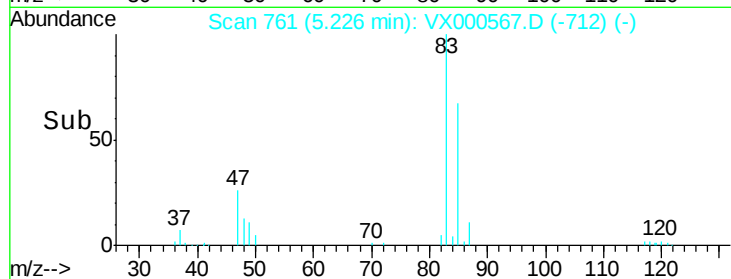
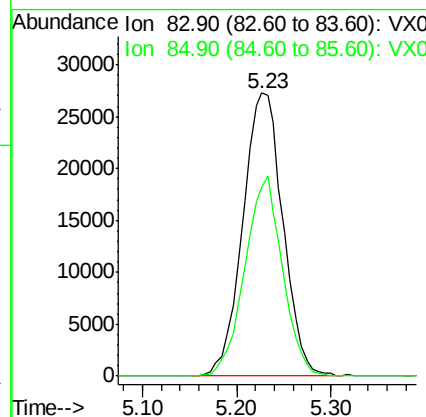
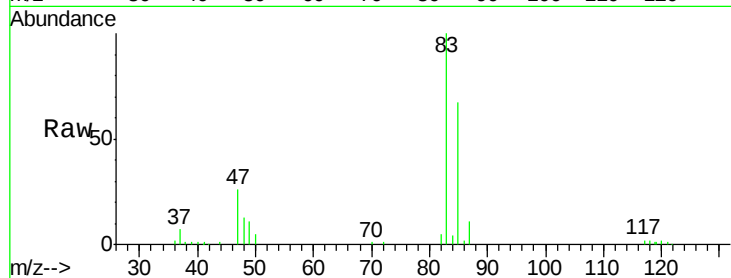
#30  
Chloroform  
Concen: 25.46 ug/l  
RT: 5.23 min Scan# 761  
Delta R.T. -0.00 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
19622

| Tot Ion   | 83   | Resp  | 81422 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 85        | 66.7 | 53.3  | 79.9  |

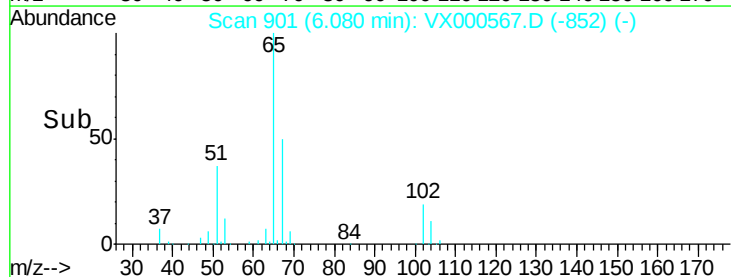
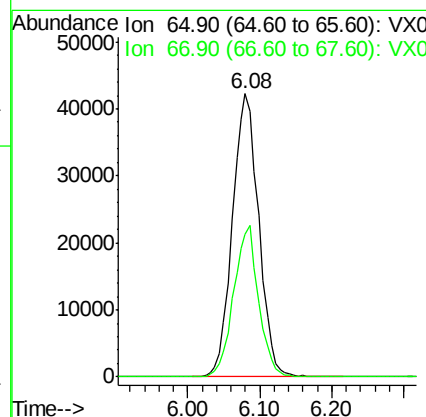
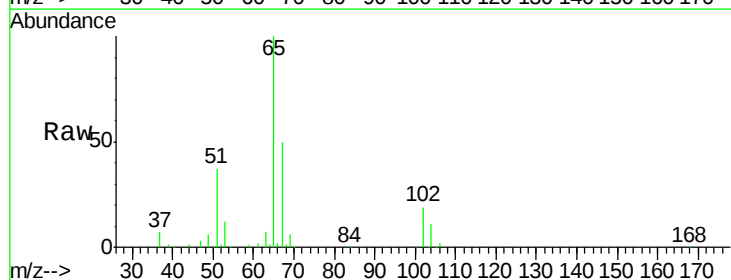
Manual Integrations  
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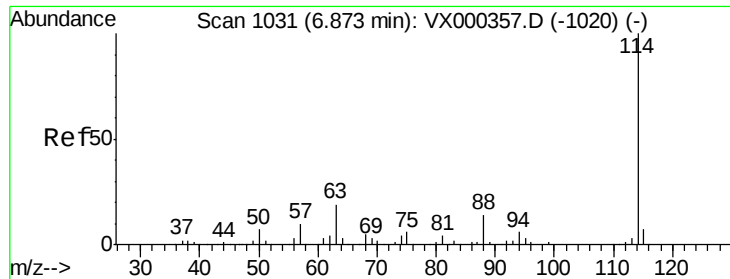
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#33  
1,2-Dichloroethane-d4  
Concen: 51.28 ug/l  
RT: 6.08 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

| Tgt Ion   | 65   | Resp  | 107199 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 67        | 50.6 | 0.0   | 103.2  |





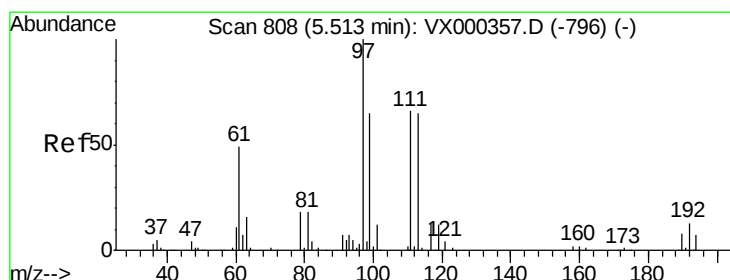
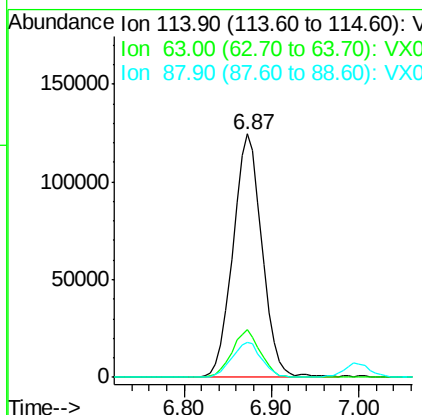
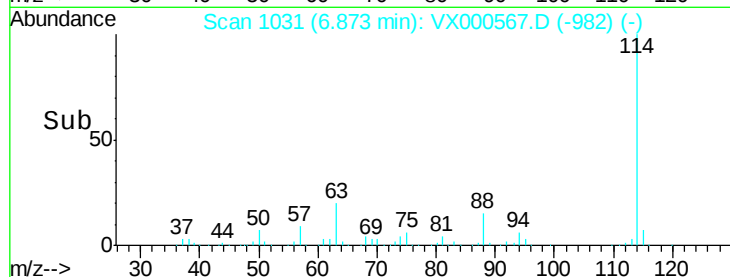
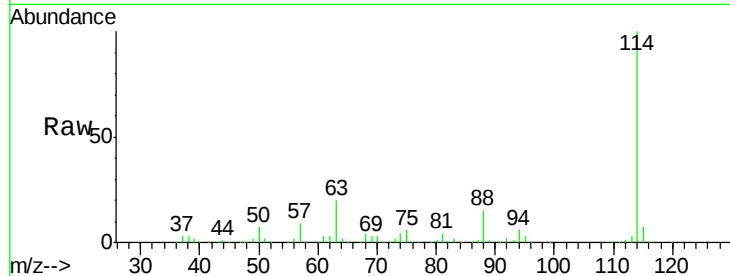
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 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1031  
 Delta R.T. -0.00 min  
 Lab File: VX000567.D  
 Acq: 30 Mar 2018 18:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 19622

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 287596 |       |       |
| 63      | 19.7  |        | 0.0   | 38.4  |
| 88      | 14.6  |        | 0.0   | 27.0  |

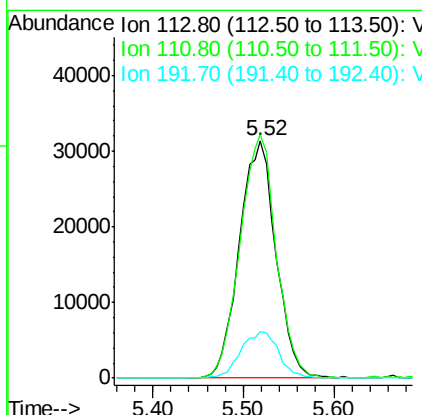
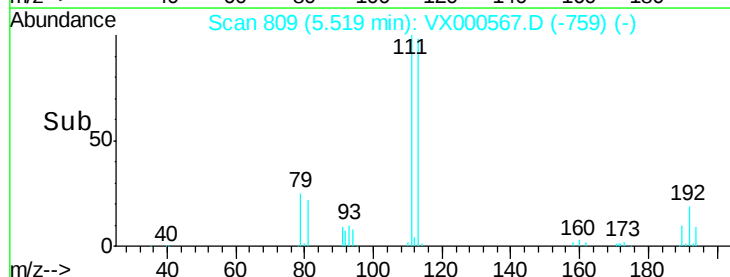
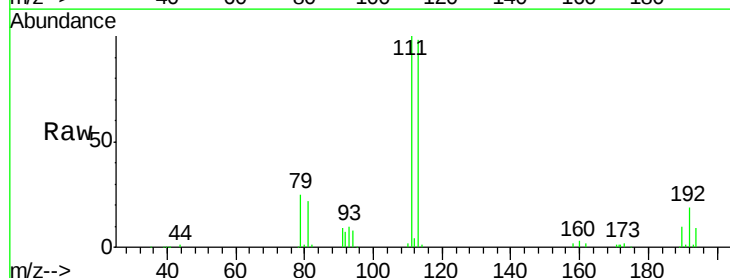
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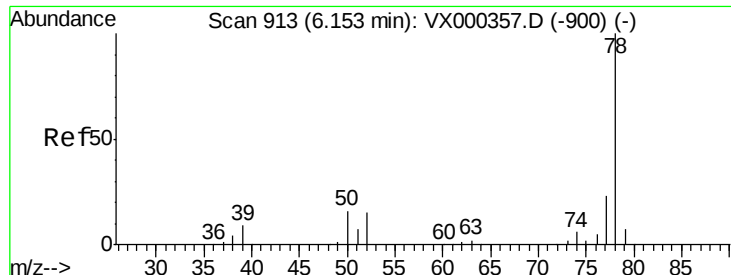
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#35  
 Dibromofluoromethane  
 Concen: 48.29 ug/l  
 RT: 5.52 min Scan# 809  
 Delta R.T. 0.01 min  
 Lab File: VX000567.D  
 Acq: 30 Mar 2018 18:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 87509 |       |       |
| 111     | 101.6 |       | 82.4  | 123.6 |
| 192     | 20.2  |       | 15.8  | 23.6  |





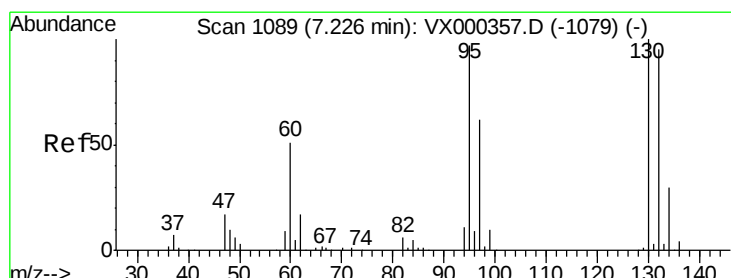
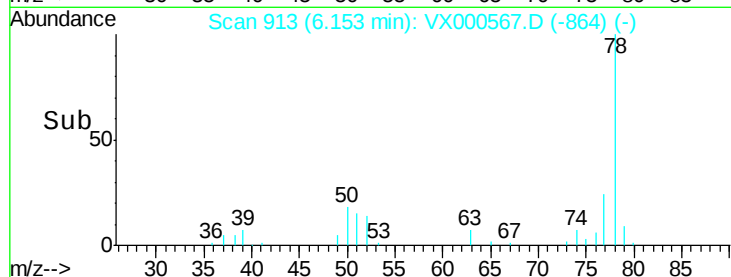
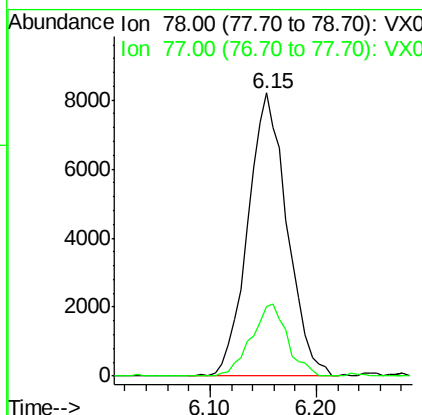
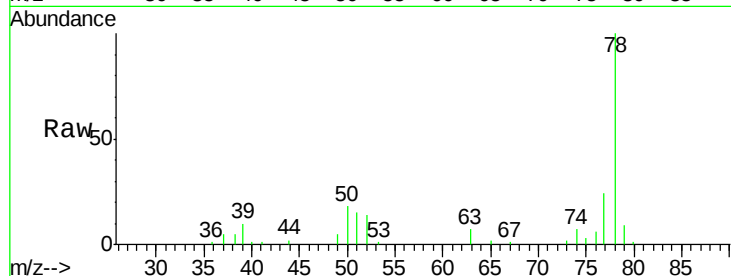
#40  
Benzene  
Concen: 2.71 ug/l  
RT: 6.15 min Scan# 913  
Delta R.T. -0.00 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

Instrument :  
MSVOA\_X  
ClientSampled :  
19622

Tot Ion: 78 Resp: 21166  
Ion Ratio Lower Upper  
78 100  
77 24.4 18.7 28.1

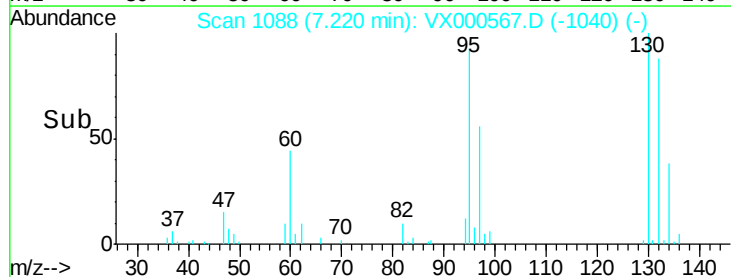
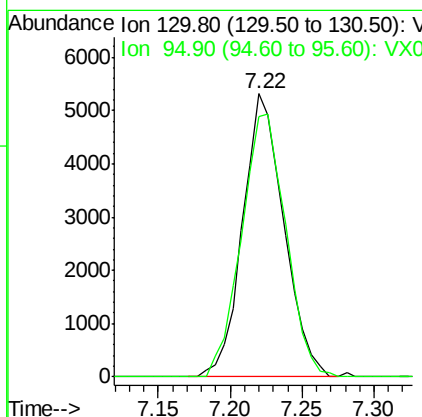
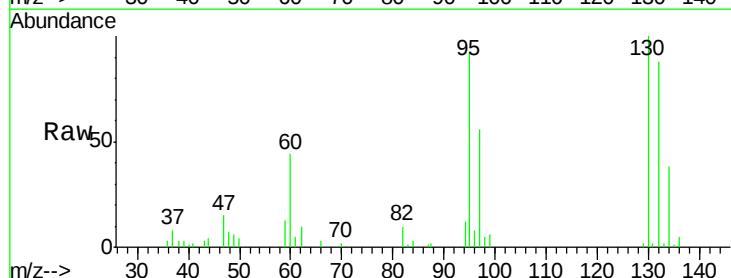
Manual Integrations  
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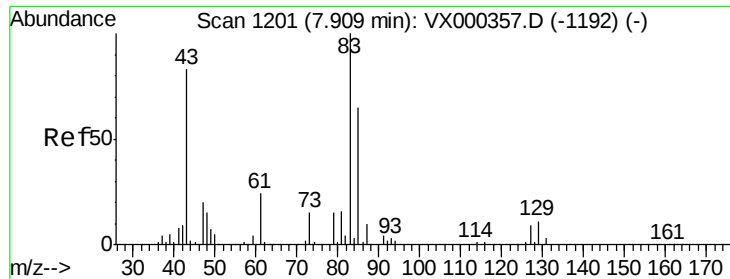
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#44  
Trichloroethene  
Concen: 4.69 ug/l  
RT: 7.22 min Scan# 1088  
Delta R.T. -0.01 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

Tgt Ion:130 Resp: 10520  
Ion Ratio Lower Upper  
130 100  
95 92.2 0.0 186.0





#47

Bromodichloromethane

Concen: 2.20 ug/l

RT: 7.92 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VX000567.D

Acq: 30 Mar 2018 18:22

Instrument :

MSVOA\_X

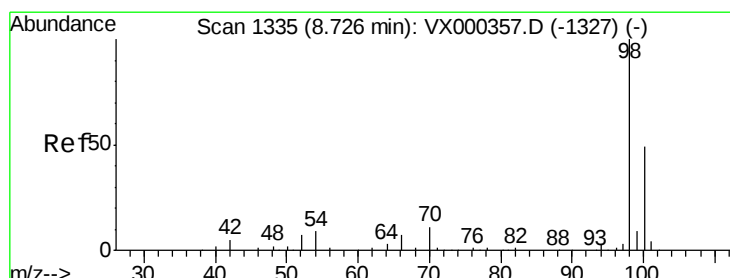
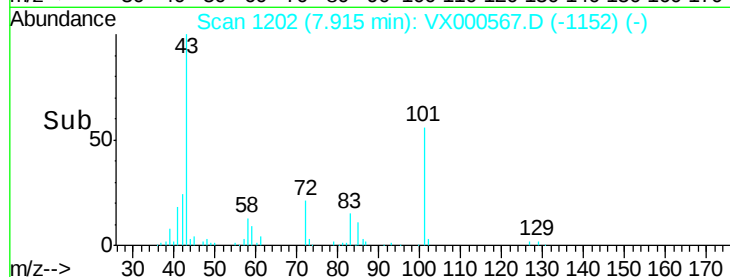
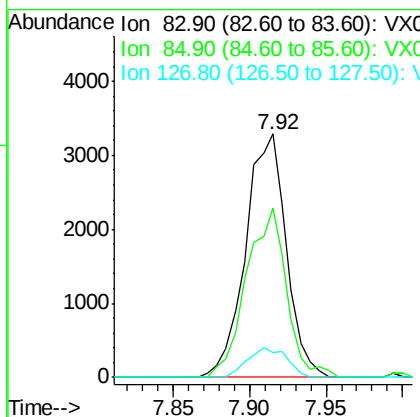
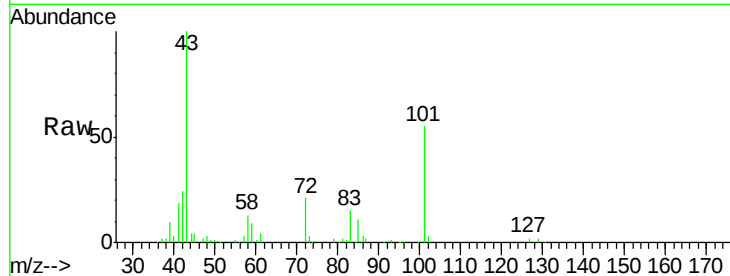
ClientSampled :

19622

| Tot Ion   | 83   | 85   | 127  |
|-----------|------|------|------|
| Resp:     | 6072 |      |      |
| Ion Ratio | 100  | 69.8 | 10.2 |
| Lower     |      | 51.4 | 7.0  |
| Upper     |      | 77.0 | 10.6 |

Manual Integrations  
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#50

Toluene-d8

Concen: 49.44 ug/l

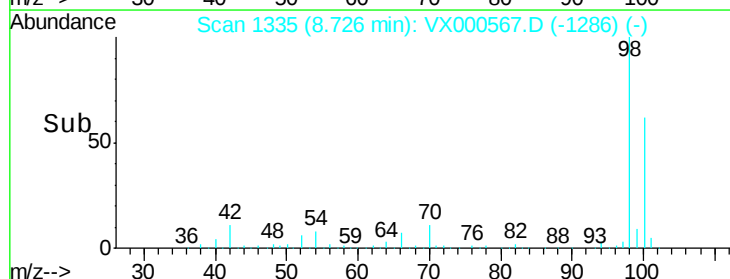
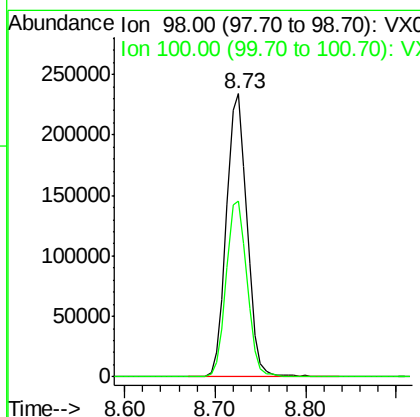
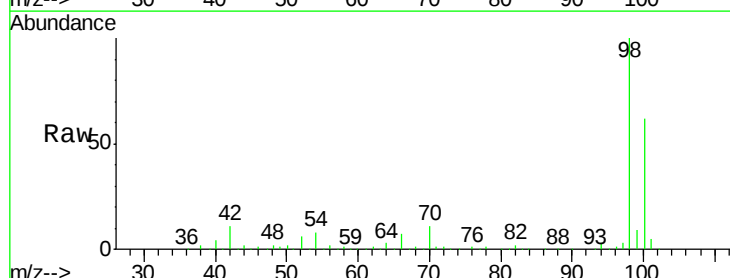
RT: 8.73 min Scan# 1335

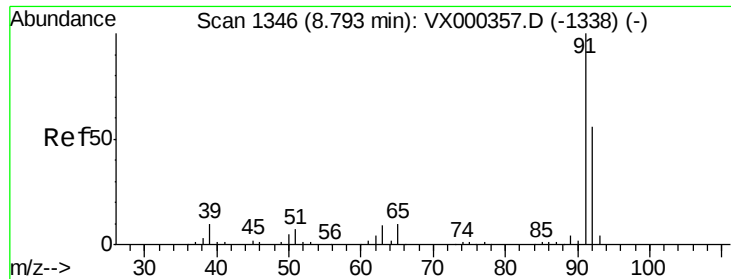
Delta R.T. -0.00 min

Lab File: VX000567.D

Acq: 30 Mar 2018 18:22

| Tgt Ion   | 98     | 100  |
|-----------|--------|------|
| Resp:     | 371054 |      |
| Ion Ratio | 100    | 62.9 |
| Lower     |        | 51.2 |
| Upper     |        | 76.8 |





#52

Toluene

Concen: 4.65 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000567.D

Acq: 30 Mar 2018 18:22

Instrument :

MSVOA\_X

ClientSampleId :

19622

Tot Ion: 92 Resp: 25435

Ion Ratio Lower Upper

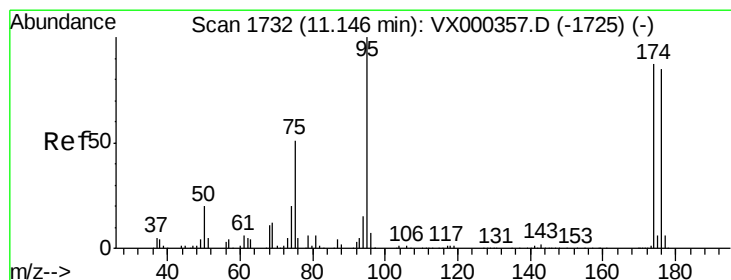
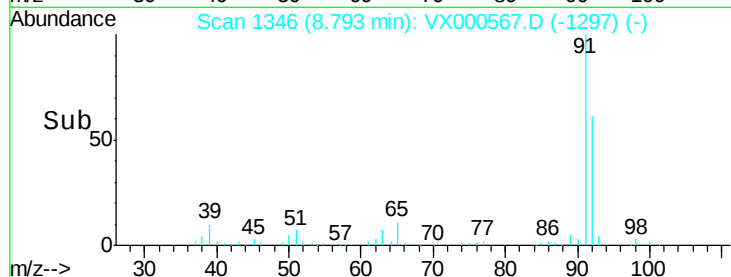
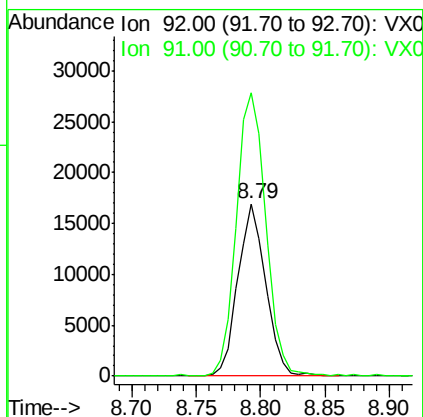
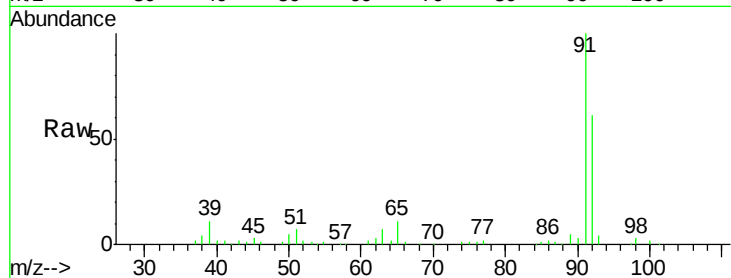
92 100

91 173.0 140.2 210.2

Manual Integrations  
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#62

4-Bromofluorobenzene

Concen: 45.18 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000567.D

Acq: 30 Mar 2018 18:22

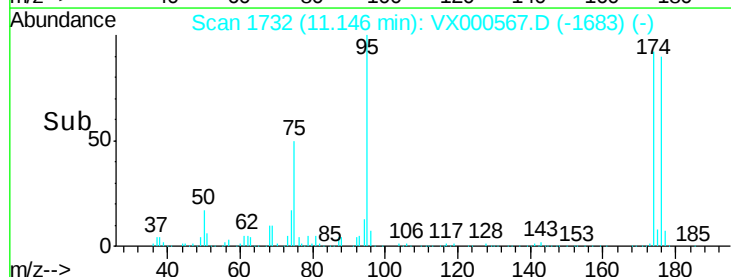
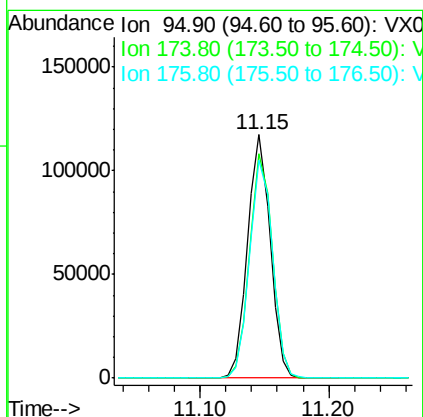
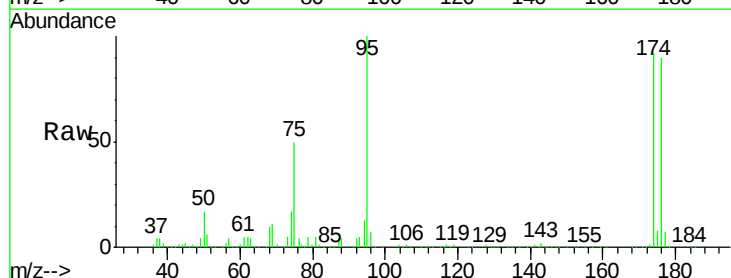
Tgt Ion: 95 Resp: 141130

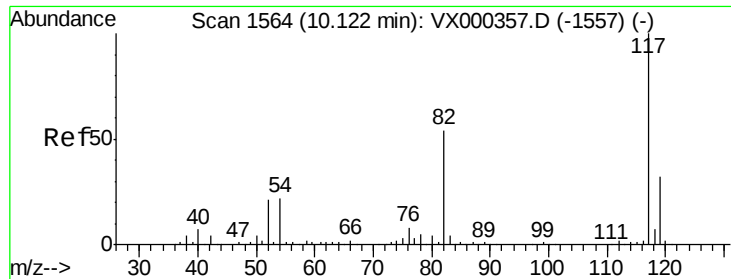
Ion Ratio Lower Upper

95 100

174 92.9 0.0 173.6

176 91.0 0.0 164.6





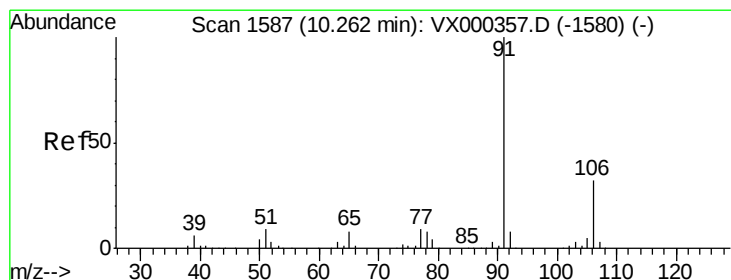
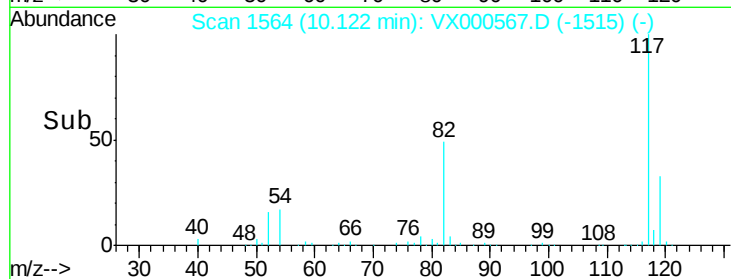
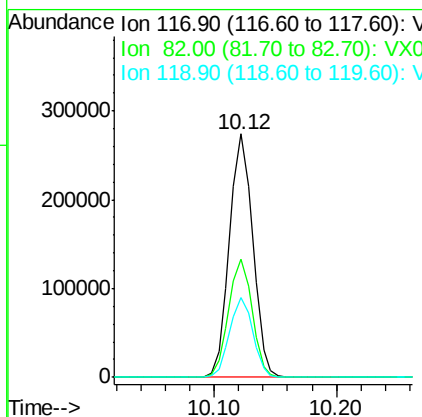
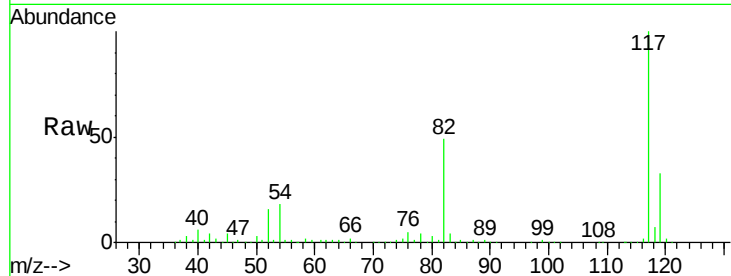
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

Instrument :  
MSVOA\_X  
ClientSampled :  
19622

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 48.8  | 43.8  | 65.8  |
| 119     | 32.6  | 24.9  | 37.3  |

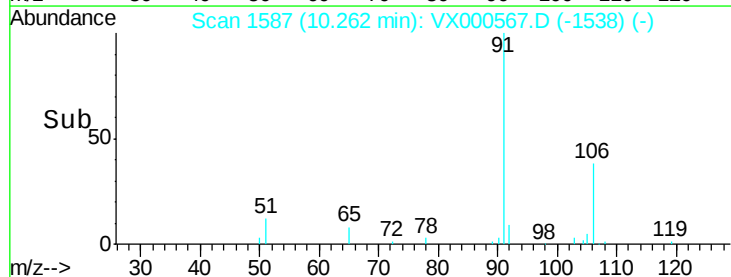
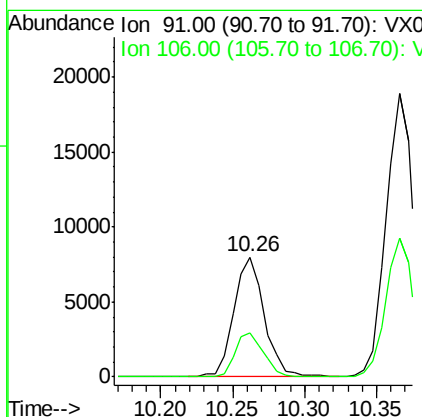
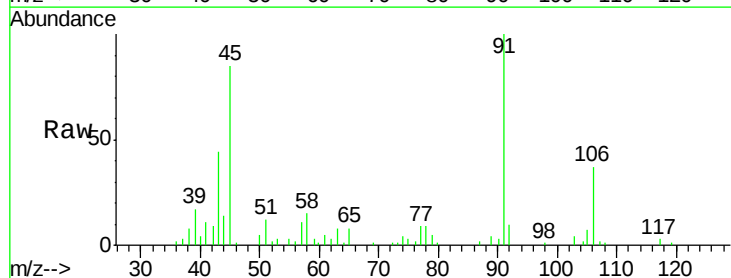
Manual Integrations  
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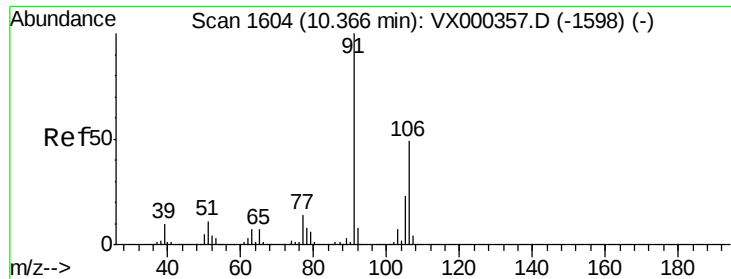
sam  
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#67  
Ethyl Benzene  
Concen: 0.86 ug/l  
RT: 10.26 min Scan# 1587  
Delta R.T. -0.00 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 37.1  | 25.0  | 37.6  |





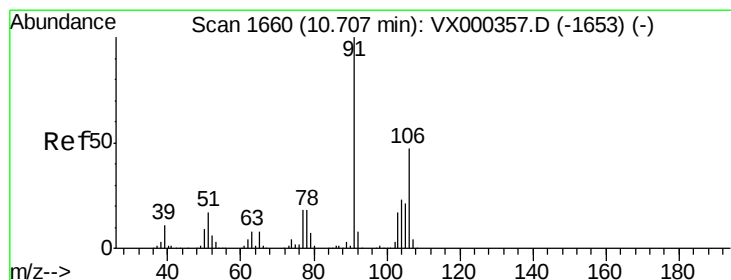
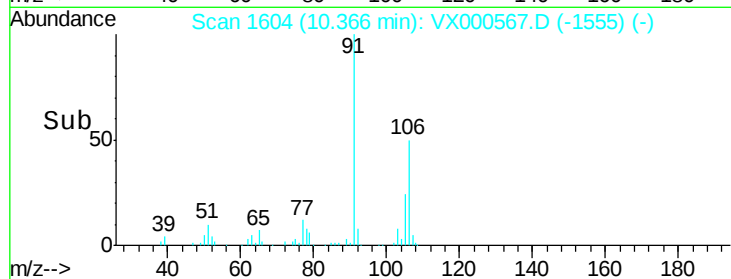
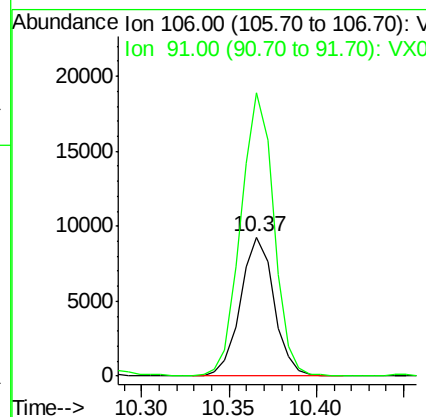
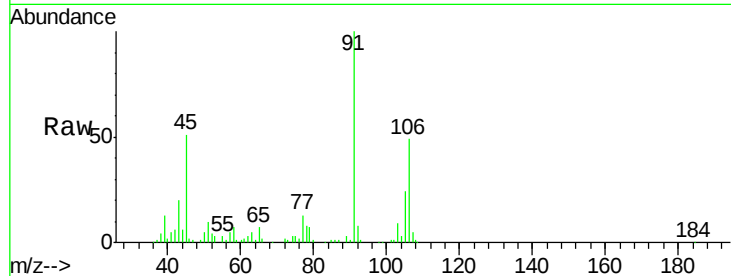
#68  
m/p-Xvlenes  
Concen: 2.30 ug/l  
RT: 10.37 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

Instrument :  
MSVOA\_X  
ClientSampled :  
19622

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |       |
| 91      | 201.1 | 163.4 | 245.2 |       |       |

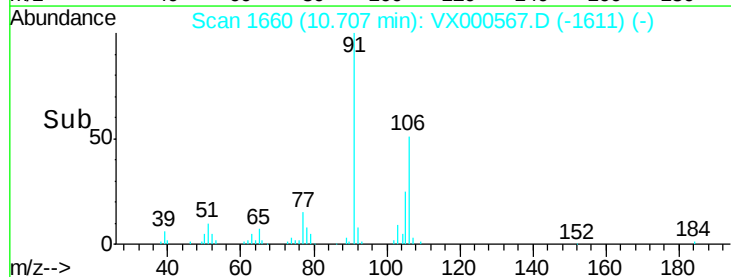
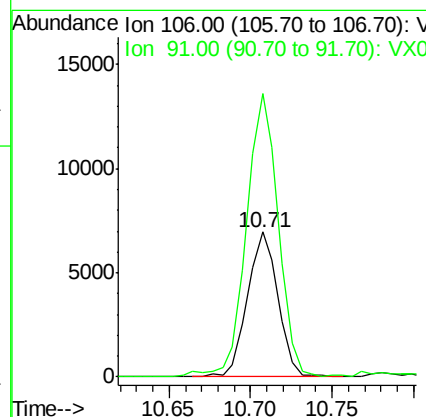
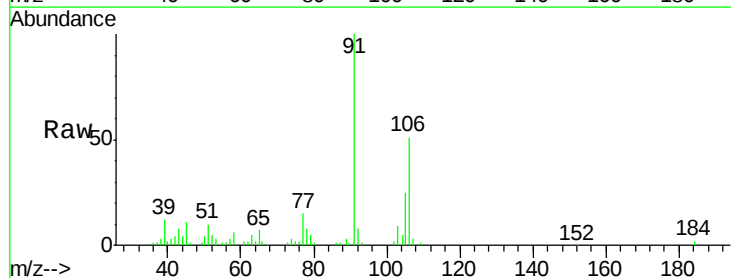
Manual Integrations  
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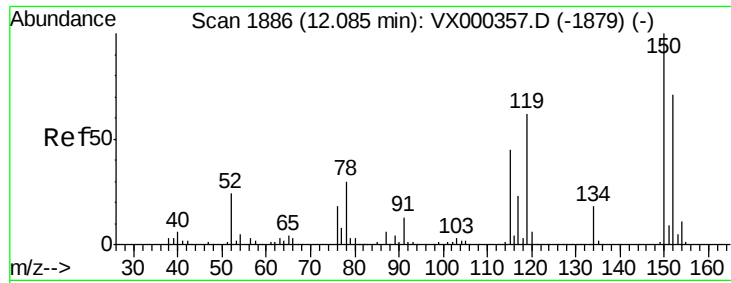
sam  
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#69  
o-Xylene  
Concen: 1.75 ug/l  
RT: 10.71 min Scan# 1660  
Delta R.T. -0.00 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |       |
| 91      | 203.9 | 106.5 | 319.6 |       |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000567.D

Acq: 30 Mar 2018 18:22

Instrument :

MSVOA\_X

ClientSampled :

19622

Tot Ion:152 Resp: 154078

Ion Ratio Lower Upper

152 100

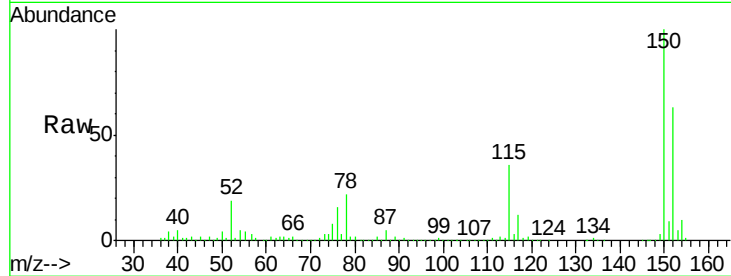
115 57.2 39.8 119.3

150 157.7 0.0 344.4

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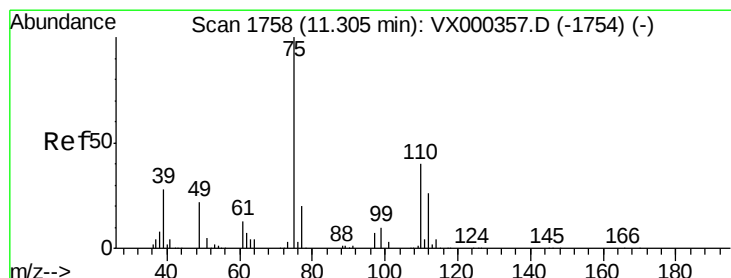
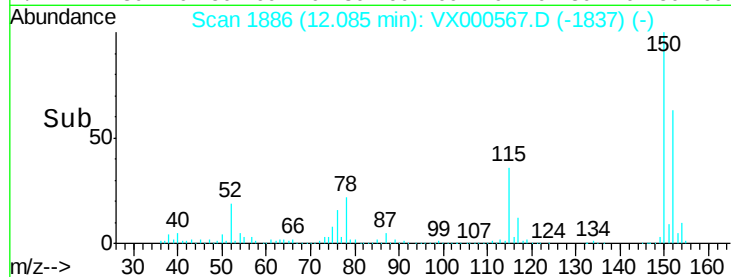
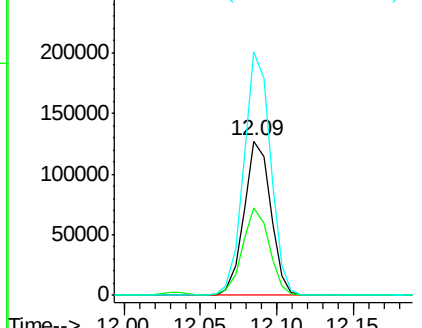
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 0.95 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000567.D

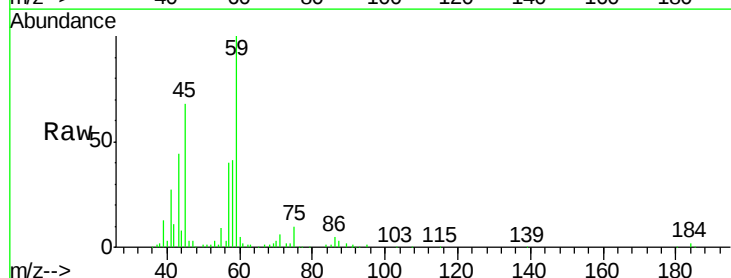
Acq: 30 Mar 2018 18:22

Tgt Ion: 75 Resp: 3147

Ion Ratio Lower Upper

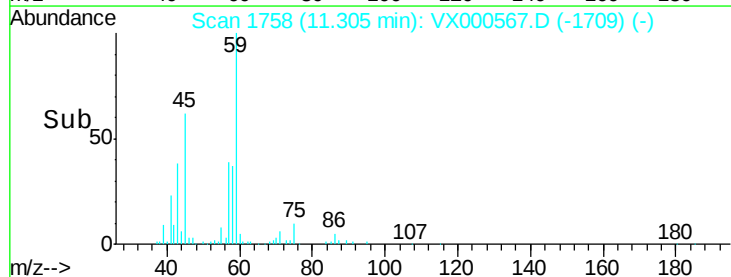
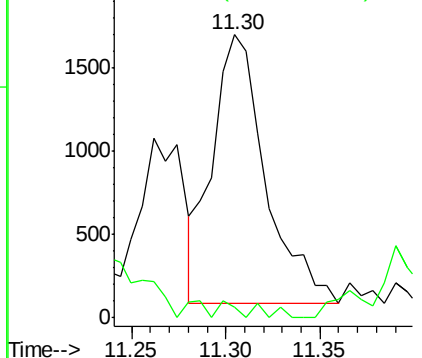
75 100

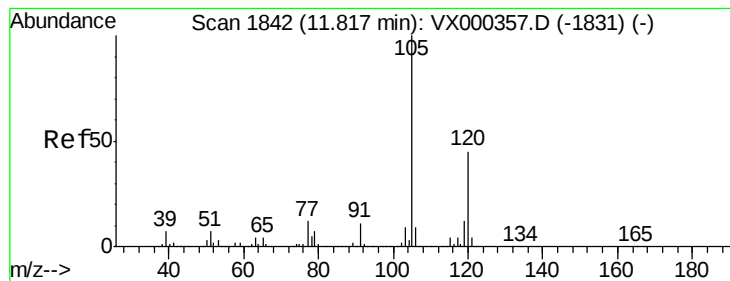
77 1.9 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#84

1,2,4-Trimethylbenzene

Concen: 1.19 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000567.D

Acq: 30 Mar 2018 18:22

Instrument :

MSVOA\_X

ClientSampleId :

19622

Tot Ion:105 Resp: 10694

Ion Ratio Lower Upper

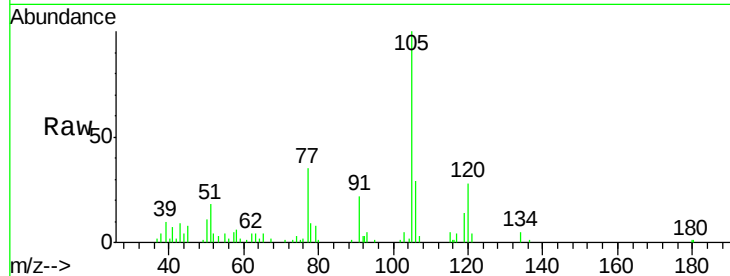
105 100

120 29.9 22.4 67.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.82

8000

6000

4000

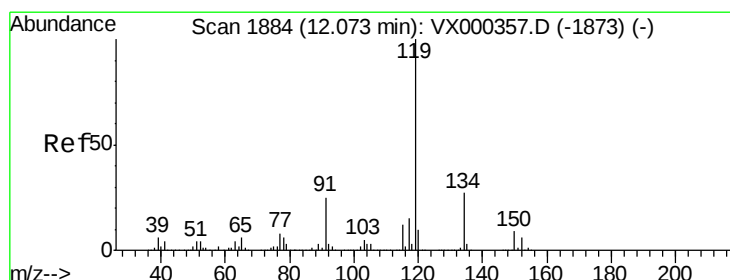
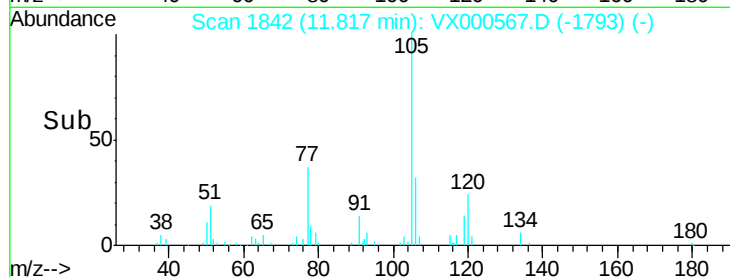
2000

0

11.80

11.90

Time-->



#86

p-Isopropyltoluene

Concen: 2.23 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000567.D

Acq: 30 Mar 2018 18:22

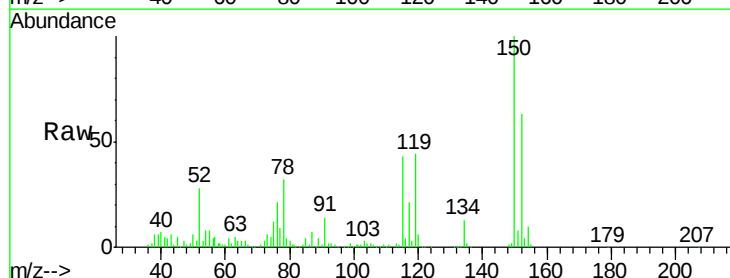
Tgt Ion:119 Resp: 21189

Ion Ratio Lower Upper

119 100

134 32.9 13.3 39.9

91 29.3 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

60000

50000

40000

30000

20000

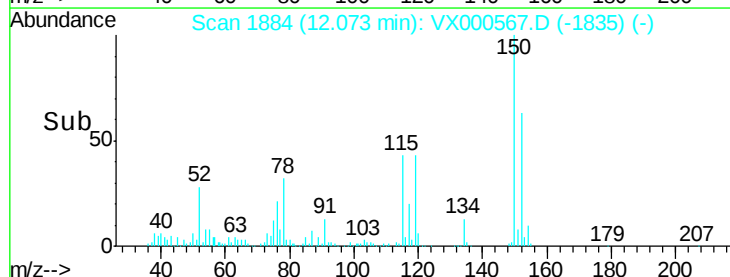
10000

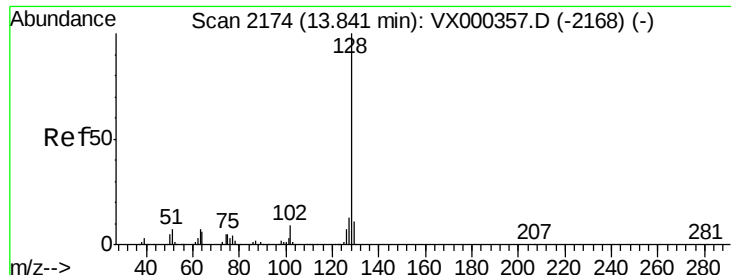
0

12.05

12.10

Time-->





#95  
Naphthalene  
Concen: 1.30 ug/l m  
RT: 13.84 min Scan# 2174  
Delta R.T. -0.00 min  
Lab File: VX000567.D  
Acq: 30 Mar 2018 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
19622

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 128     | 100   |            |       |
| 127     | 0.0   | 10.6       | 15.8# |
| 129     | 0.0   | 8.9        | 13.3# |

Manual Integrations  
APPROVED

sam  
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