

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\  
 Data File : VX014157.D  
 Acq On : 20 Dec 2019 06:49  
 Operator : JC/SP  
 Sample : K6372-18  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-14

Manual Integrations  
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apatel  
 12/20/2019 10:24:04 AM

Quant Time: Dec 20 07:52:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 17 03:01:07 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response  | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|-----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 574559    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 870159    | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 787427    | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 389873    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |           |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 306429    | 47.06   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =       | 94.12%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 253199    | 47.87   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =       | 95.74%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1036400   | 50.33   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =       | 100.66% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 375638    | 49.90   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =       | 99.80%  |          |
| Target Compounds            |       |      |           |         |         |          |
|                             |       |      |           |         | Qvalue  |          |
| 16) Acetone                 | 2.44  | 43   | 5784      | 1.368   | ug/l #  | 88       |
| 39) Methylcyclohexane       | 7.46  | 83   | 143777    | 14.584  | ug/l    | 98       |
| 52) Toluene                 | 8.78  | 92   | 10077     | 0.649   | ug/l    | 91       |
| 67) Ethyl Benzene           | 10.25 | 91   | 677127    | 23.524  | ug/l    | 98       |
| 68) m/p-Xylenes             | 10.36 | 106  | 37644     | 3.400   | ug/l    | 100      |
| 69) o-Xylene                | 10.70 | 106  | 93120     | 8.576   | ug/l    | 95       |
| 70) Styrene                 | 10.71 | 104  | 29251     | 1.593   | ug/l #  | 54       |
| 73) Isopropylbenzene        | 11.01 | 105  | 2602887   | 94.823  | ug/l    | 99       |
| 78) n-propylbenzene         | 11.35 | 91   | 2752964   | 89.411  | ug/l    | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.50 | 105  | 954975    | 41.337  | ug/l    | 99       |
| 84) 1,2,4-Trimethylbenzene  | 11.80 | 105  | 12766510  | 551.817 | ug/l    | 82       |
| 85) sec-Butylbenzene        | 11.94 | 105  | 120367m   | 4.535   | ug/l    |          |
| 86) p-Isopropyltoluene      | 12.06 | 119  | 429370m   | 17.686  | ug/l    |          |
| 95) Naphthalene             | 13.82 | 128  | 23095035m | 907.644 | ug/l    |          |

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

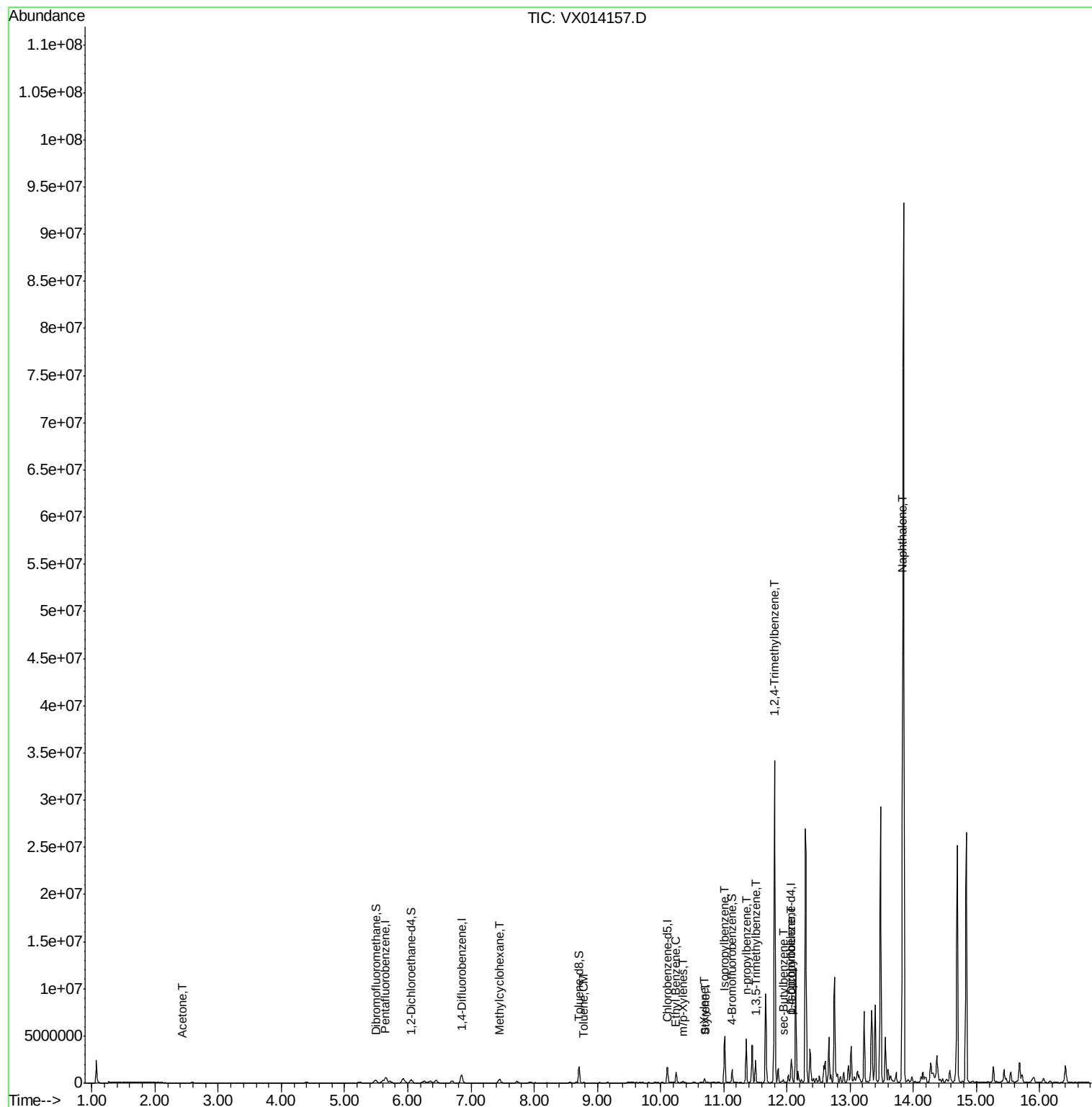
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121919\  
Data File : VX014157.D  
Acq On : 20 Dec 2019 06:49  
Operator : JC/SP  
Sample : K6372-18  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 51 Sample Multiplier: 1

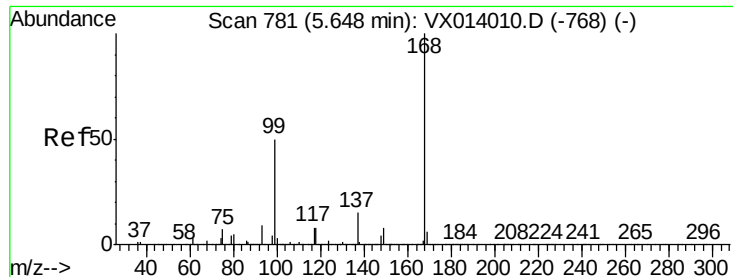
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14

Manual Integrations  
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Quant Time: Dec 20 07:52:20 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 17 03:01:07 2019  
Response via : Initial Calibration





#1

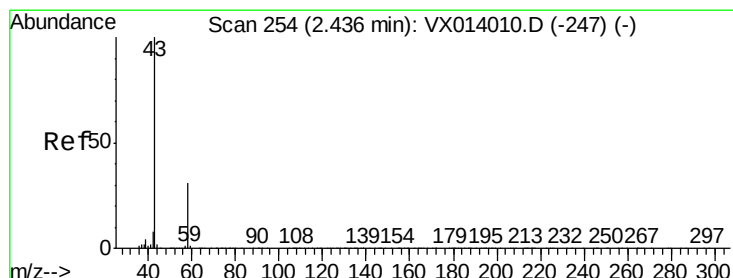
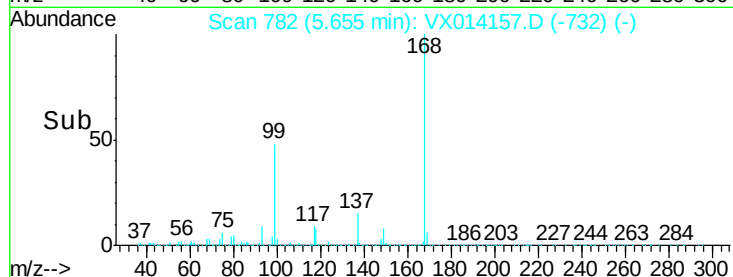
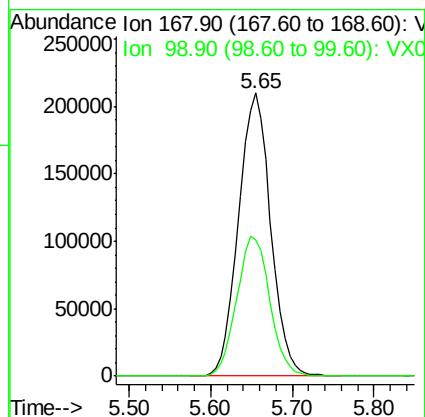
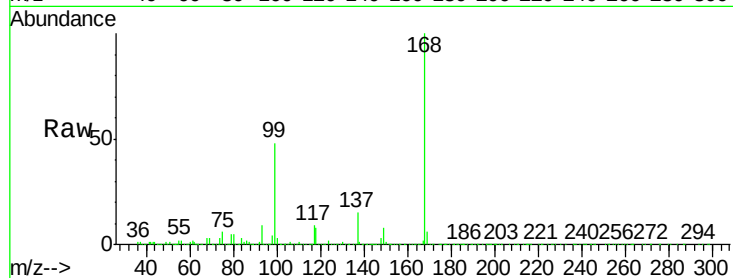
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.65 min Scan# 782  
Delta R.T. 0.01 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-14

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 47.9  | 40.3  | 60.5  |

Manual Integrations  
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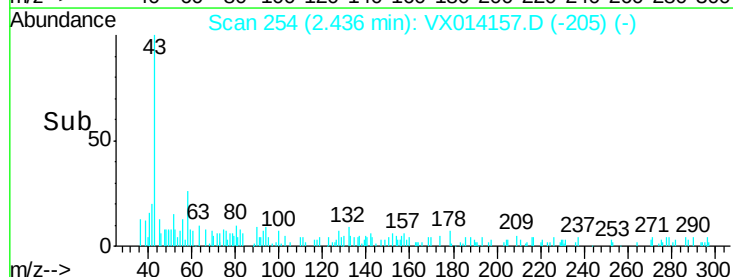
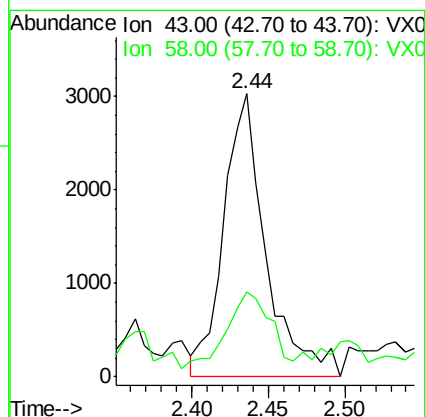
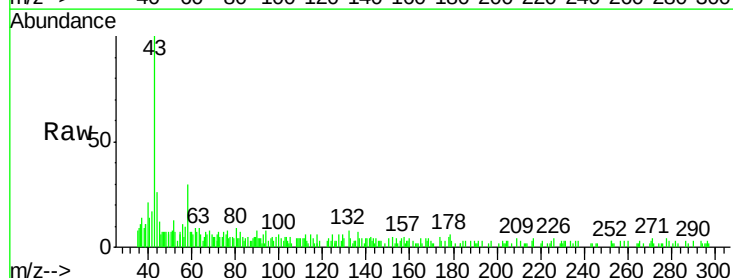
apatel  
12/20/2019 10:24:04 AM

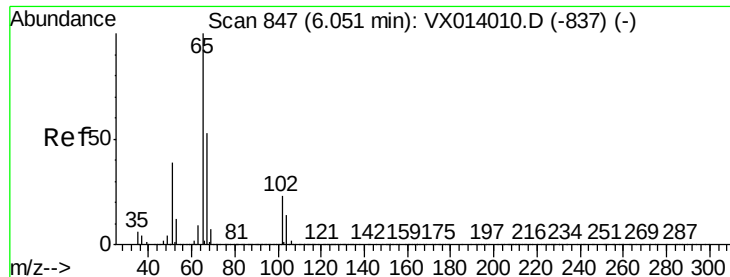


#16

Acetone  
Concen: 1.368 ug/l  
RT: 2.44 min Scan# 254  
Delta R.T. 0.00 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 24.7  | 24.9  | 37.3  |





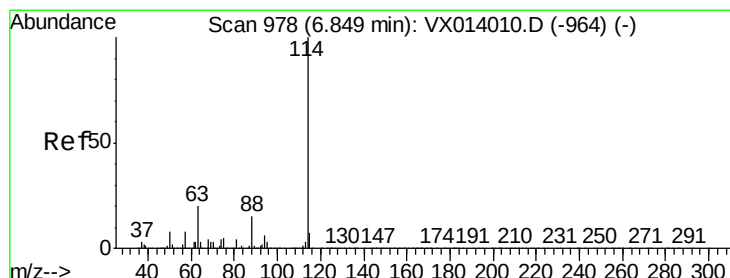
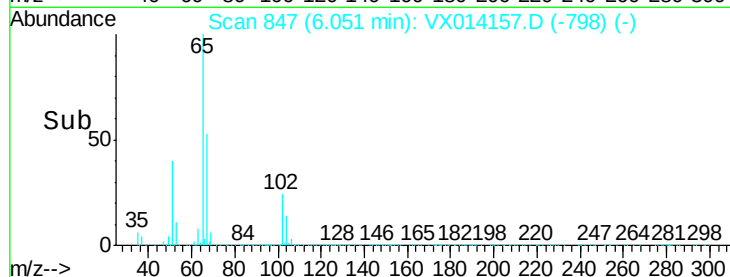
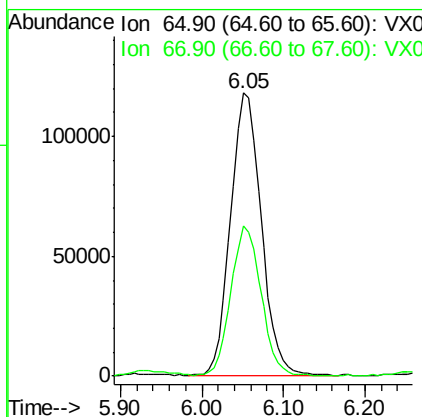
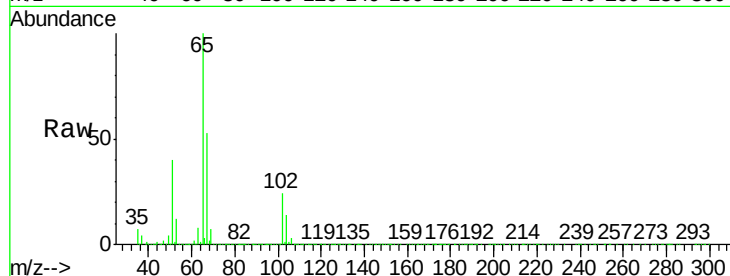
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.057 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX014157.D  
 Acq: 20 Dec 2019 06:49

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 MW-14

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 52.1  | 0.0  | 106.4 |       |

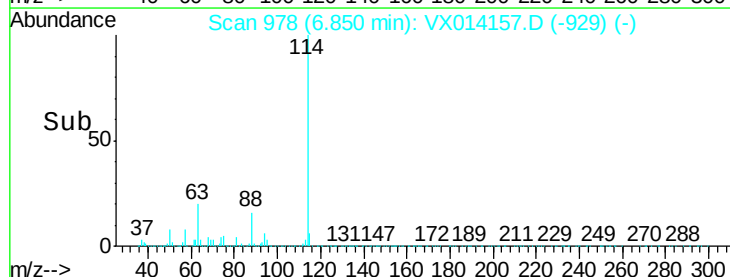
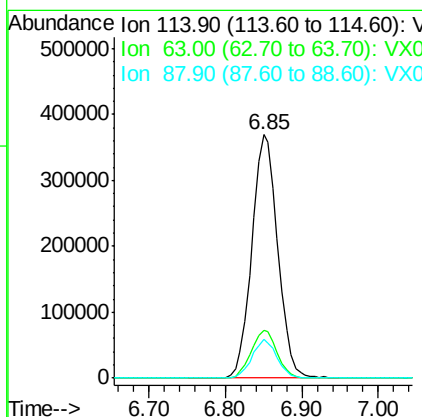
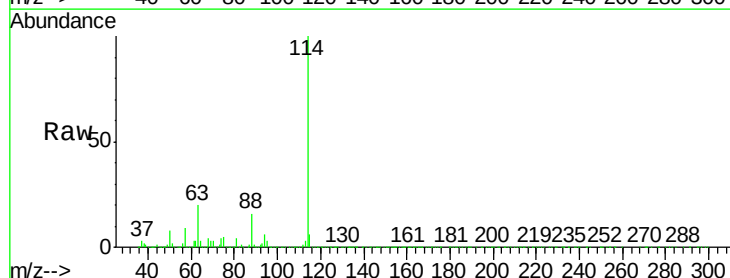
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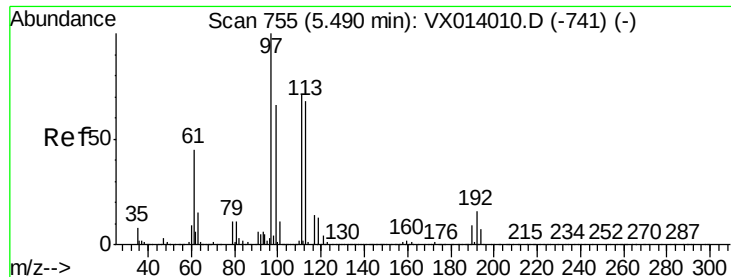
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX014157.D  
 Acq: 20 Dec 2019 06:49

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 19.6  | 0.0  | 40.8  |       |
| 88      | 15.9  | 0.0  | 30.4  |       |





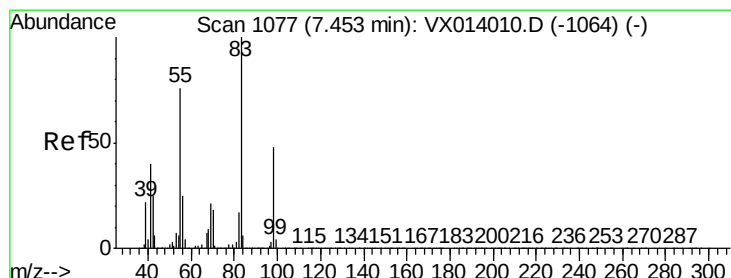
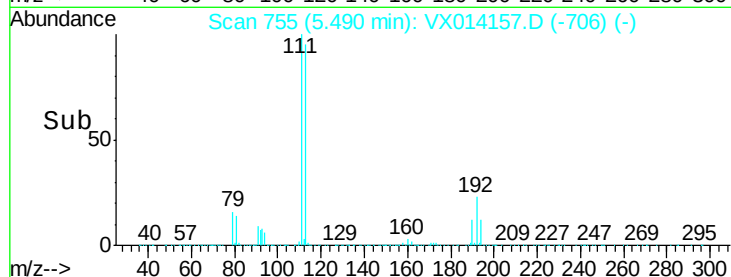
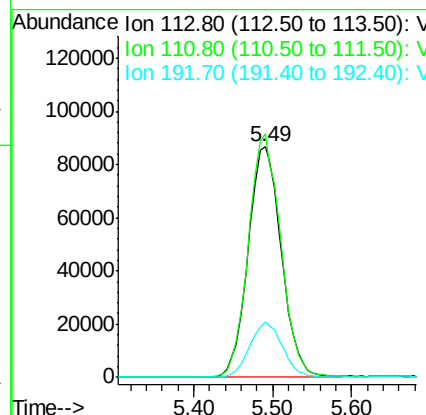
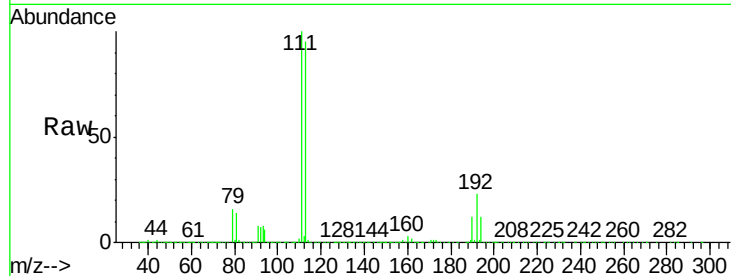
#35  
 Dibromofluoromethane  
 Concen: 47.867 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. 0.00 min  
 Lab File: VX014157.D  
 Acq: 20 Dec 2019 06:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-14

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.3 | 82.0  | 123.0 |
| 192     | 24.1  | 19.3  | 28.9  |

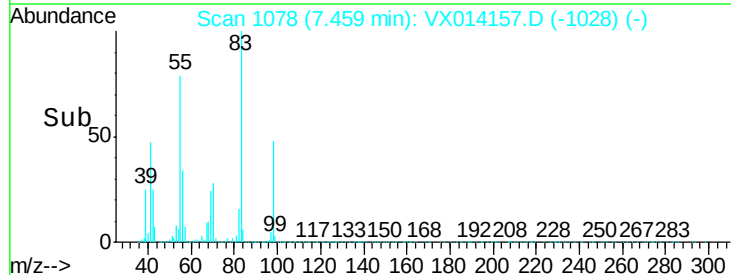
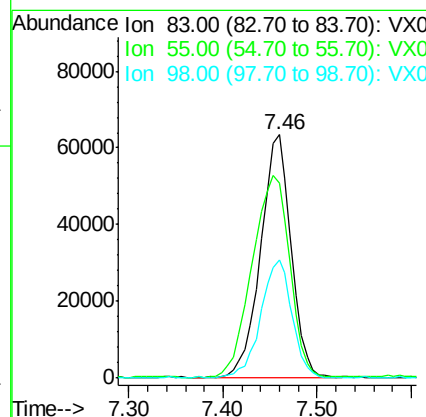
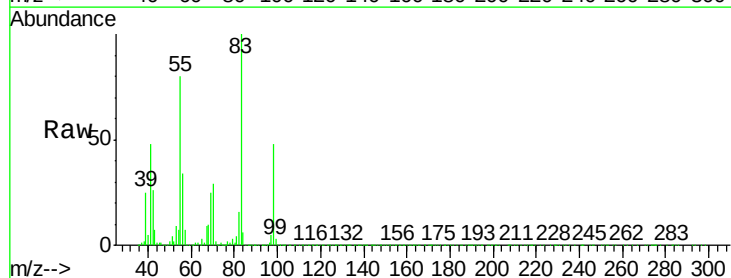
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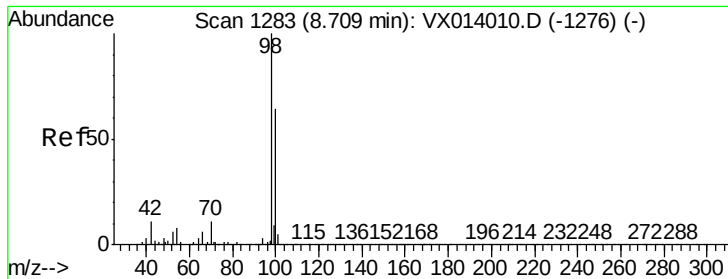
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#39  
 Methylcyclohexane  
 Concen: 14.584 ug/l  
 RT: 7.46 min Scan# 1078  
 Delta R.T. 0.01 min  
 Lab File: VX014157.D  
 Acq: 20 Dec 2019 06:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 79.7  | 61.0  | 91.6  |
| 98      | 48.3  | 38.6  | 57.8  |





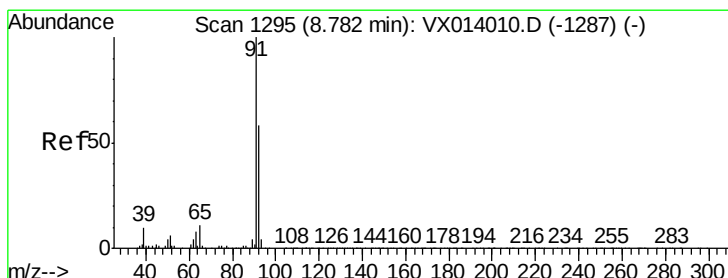
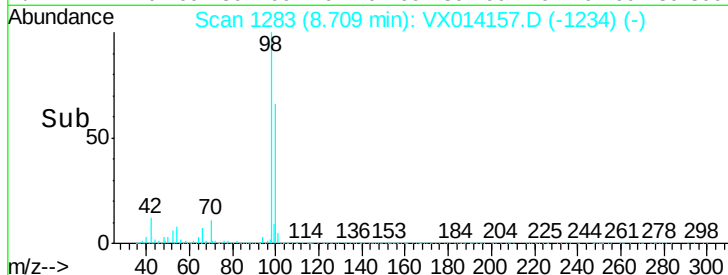
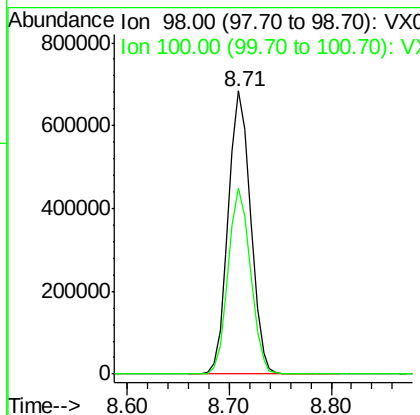
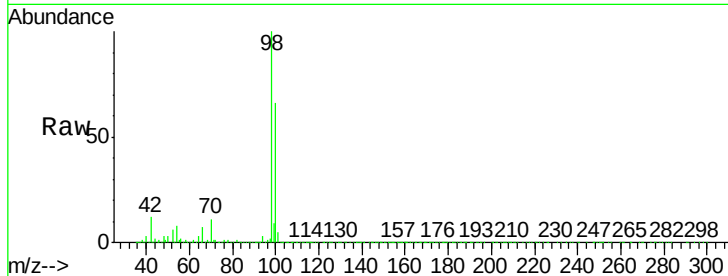
#50  
Toluene-d8  
Concen: 50.326 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14

Tot Ion: 98 Resp: 1036400  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.9 79.3

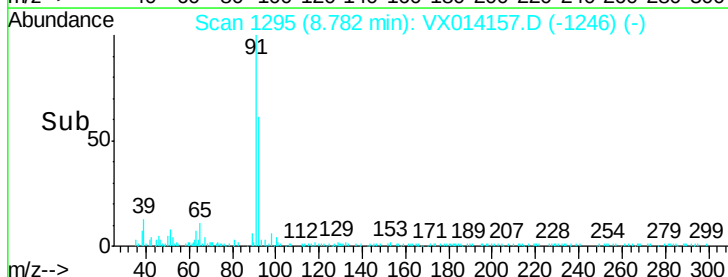
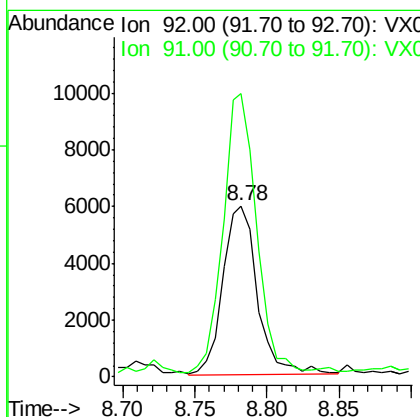
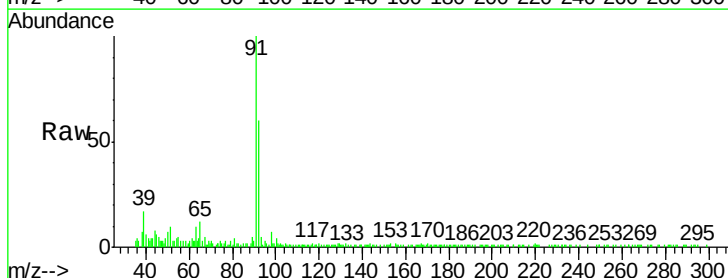
Manual Integrations  
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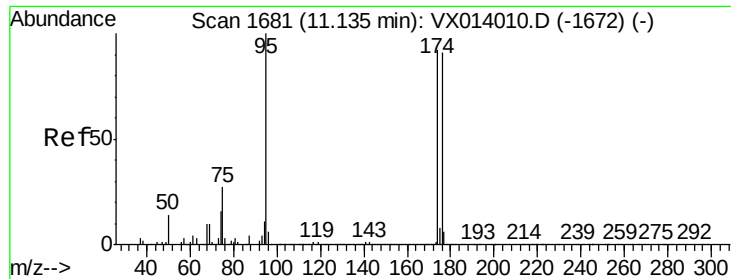
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#52  
Toluene  
Concen: 0.649 ug/l  
RT: 8.78 min Scan# 1295  
Delta R.T. 0.00 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

Tgt Ion: 92 Resp: 10077  
Ion Ratio Lower Upper  
92 100  
91 158.2 136.2 204.4





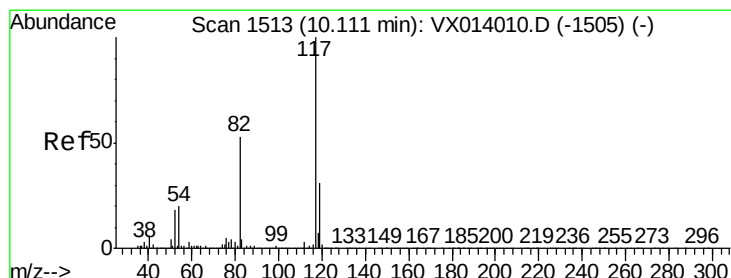
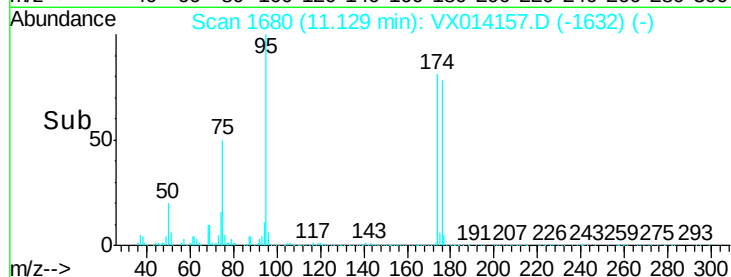
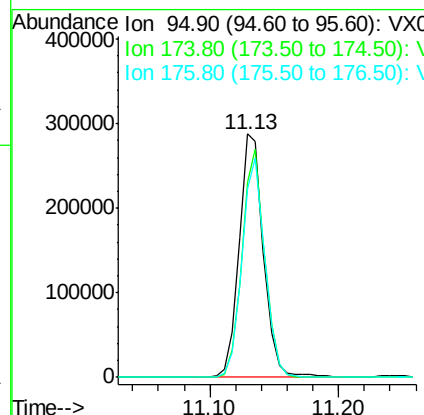
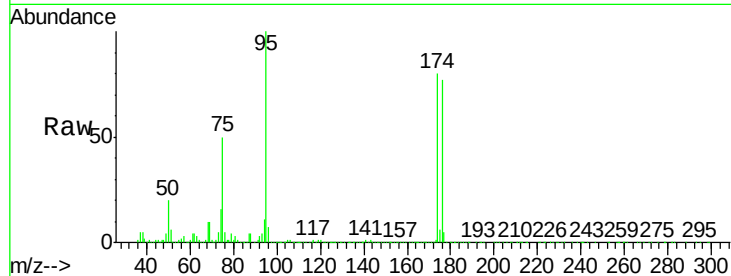
#62  
4-Bromofluorobenzene  
Concen: 49.899 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. -0.01 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-14

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 375638 |       |       |
| 174     | 87.2  | 0.0    | 175.8 |       |
| 176     | 84.9  | 0.0    | 173.0 |       |

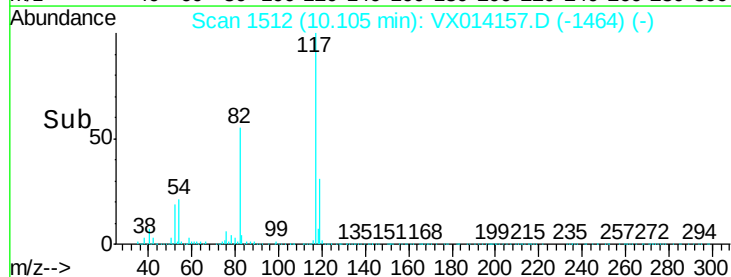
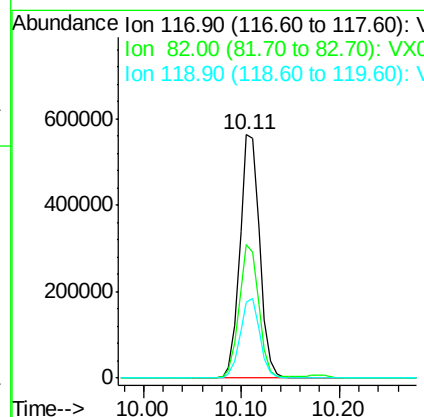
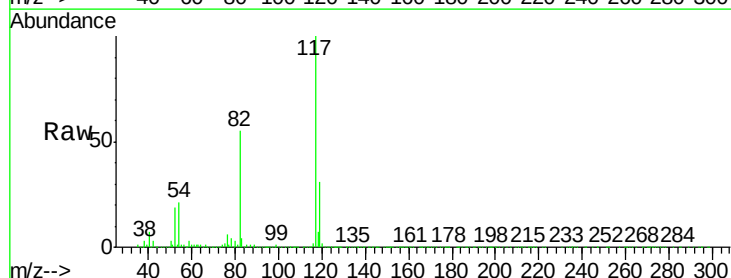
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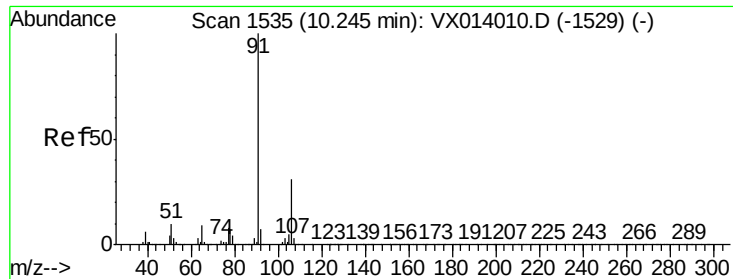
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#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 787427 |       |       |
| 82      | 54.9  | 42.2   | 63.4  |       |
| 119     | 31.2  | 25.1   | 37.7  |       |





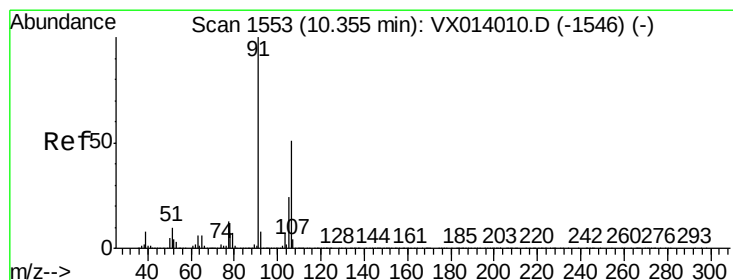
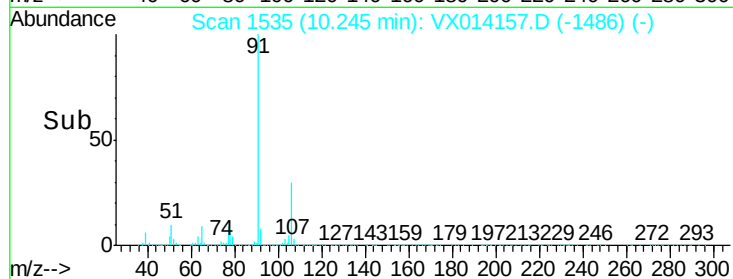
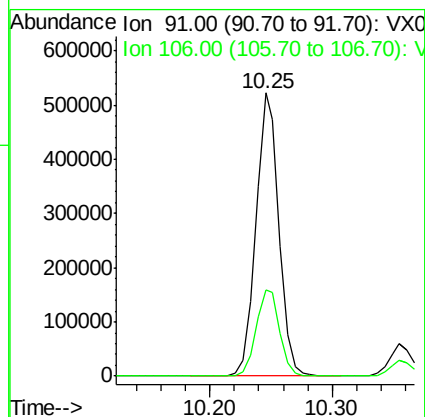
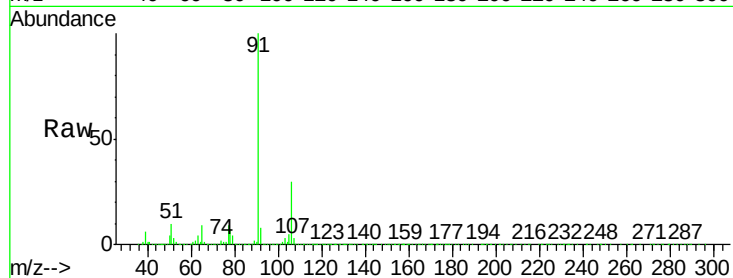
#67  
Ethyl Benzene  
Concen: 23.524 ug/l  
RT: 10.25 min Scan# 1535  
Delta R.T. 0.00 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-14

Tot Ion: 91 Resp: 677127  
Ion Ratio Lower Upper  
91 100  
106 30.4 25.0 37.6

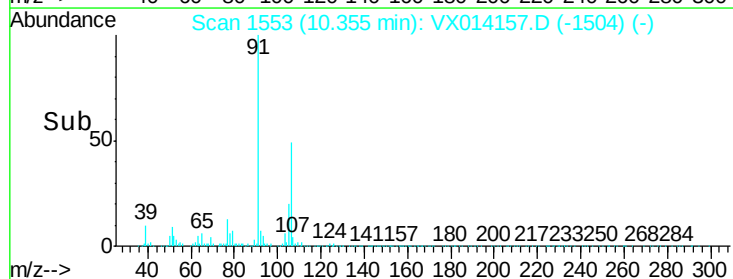
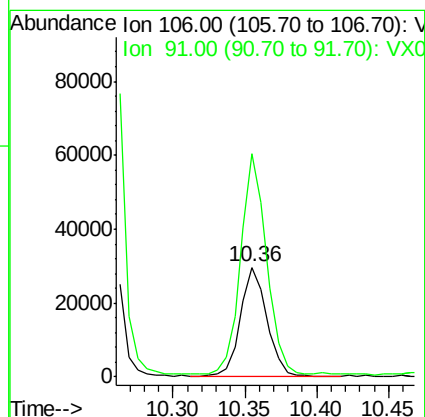
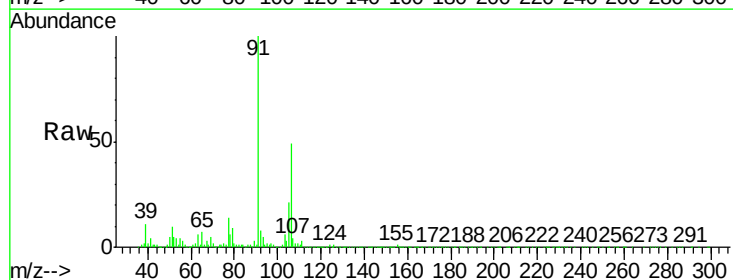
Manual Integrations  
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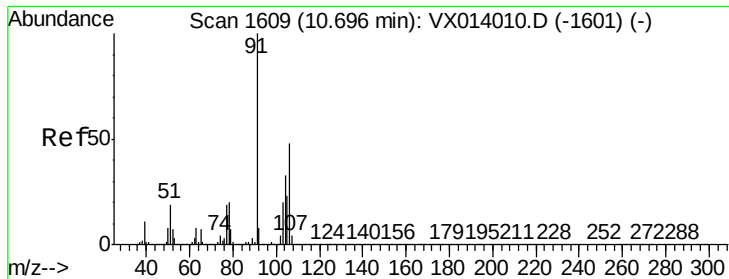


#68  
m/p-Xylenes  
Concen: 3.400 ug/l  
RT: 10.36 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

Tgt Ion: 106 Resp: 37644  
Ion Ratio Lower Upper  
106 100  
91 199.0 158.6 238.0







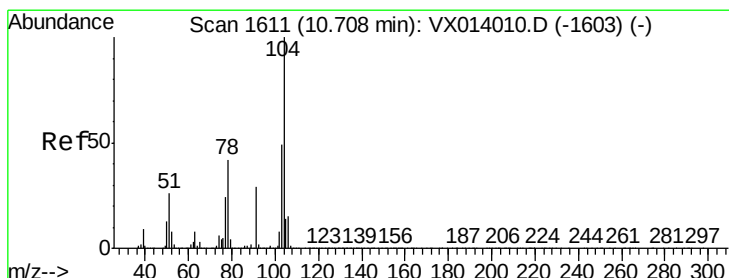
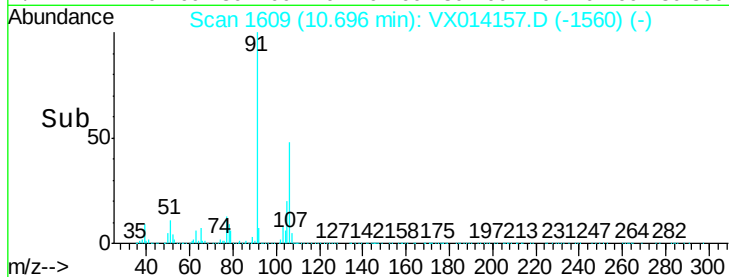
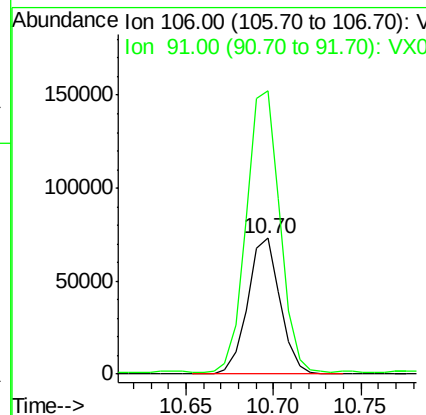
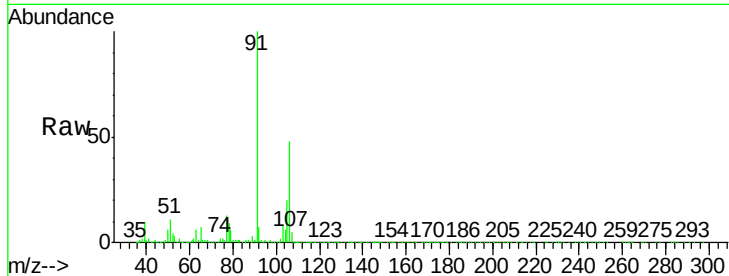
#69  
o-Xylene  
Concen: 8.576 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 216.1 | 104.2 | 312.6 |

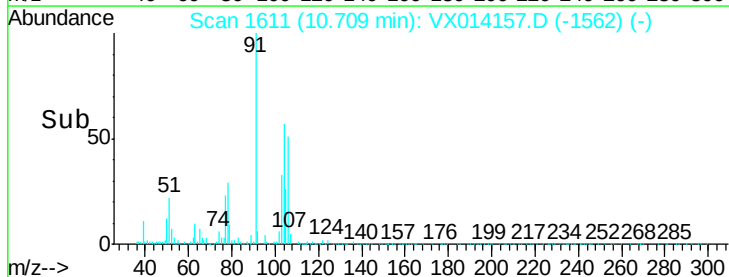
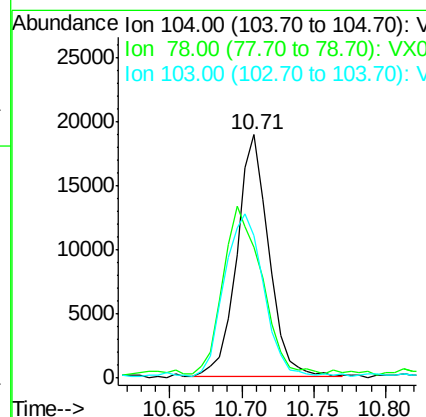
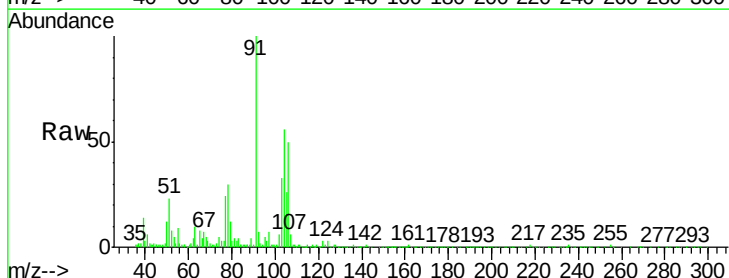
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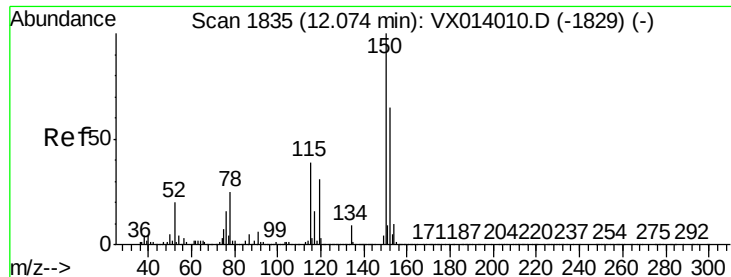
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#70  
Styrene  
Concen: 1.593 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 83.9  | 38.5  | 57.7# |
| 103     | 81.5  | 42.9  | 64.3# |





#72

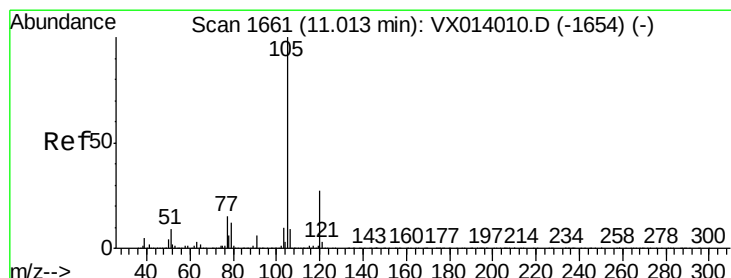
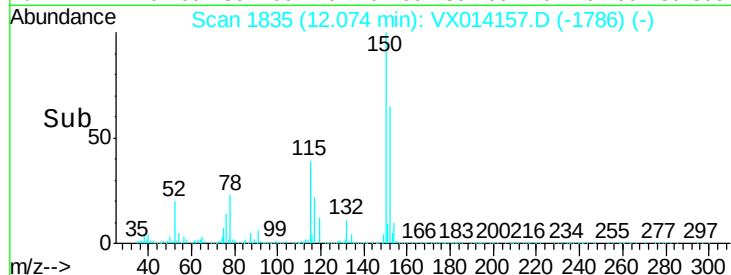
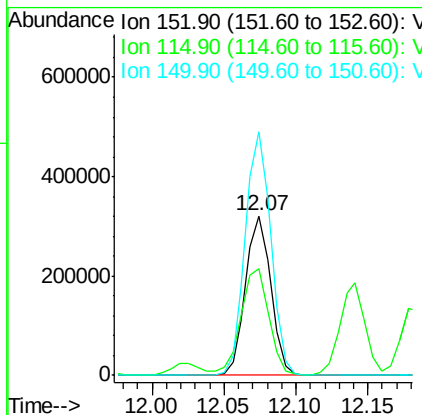
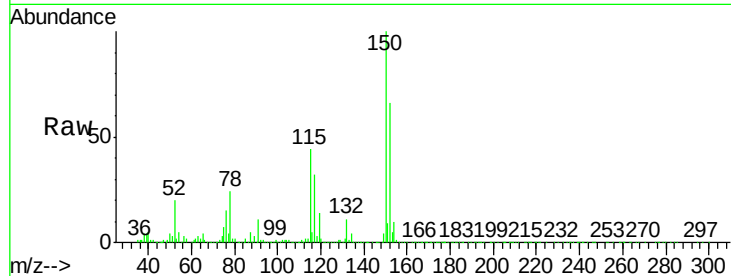
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-14

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 389873 |       |       |
| 115     | 72.9  | 38.3   | 114.9 |       |
| 150     | 153.8 | 0.0    | 345.4 |       |

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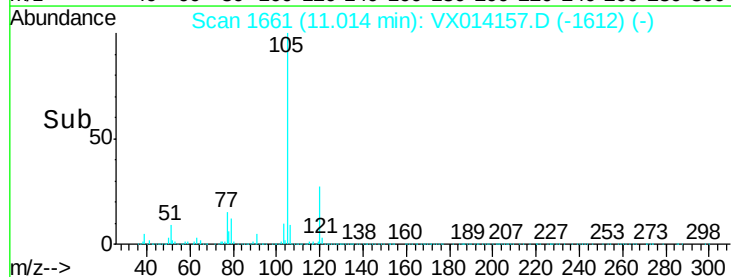
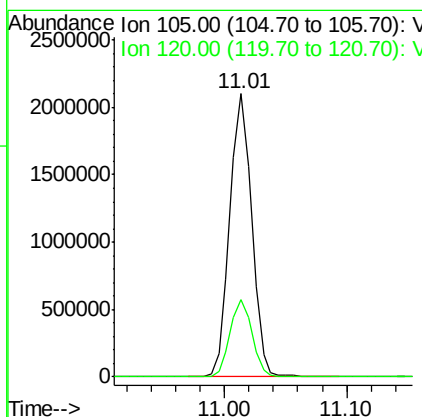
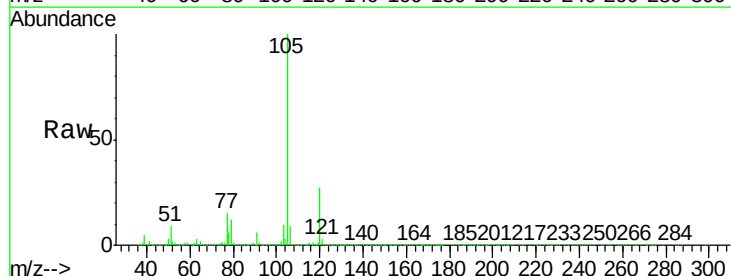
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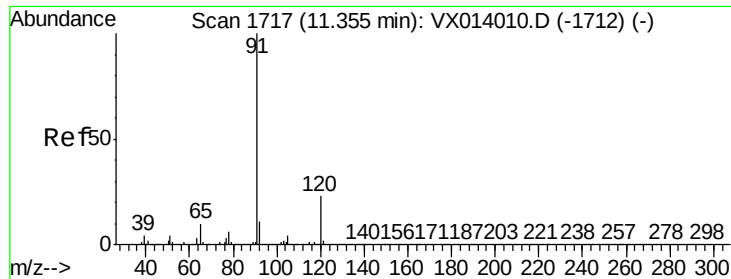


#73

Isopropylbenzene  
Concen: 94.823 ug/l  
RT: 11.01 min Scan# 1661  
Delta R.T. 0.00 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 105     | 100   | 2602887 |       |       |
| 120     | 27.5  | 13.5    | 40.4  |       |





#78

n-propylbenzene

Concen: 89.411 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014157.D

Acq: 20 Dec 2019 06:49

Instrument :

MSVOA\_X

ClientSampled :

MW-14

Tot Ion: 91 Resp: 2752964

Ion Ratio Lower Upper

91 100

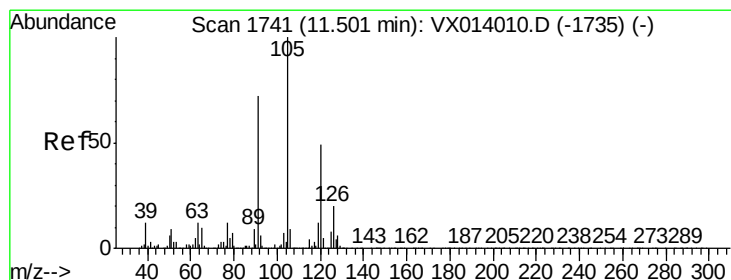
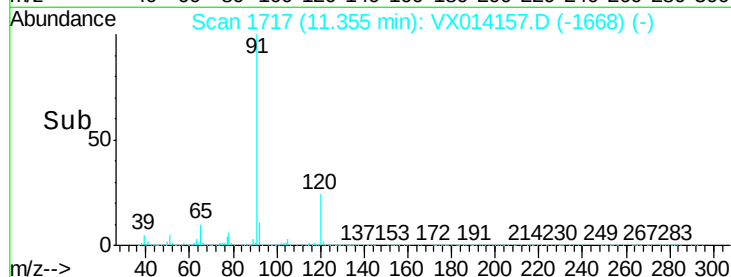
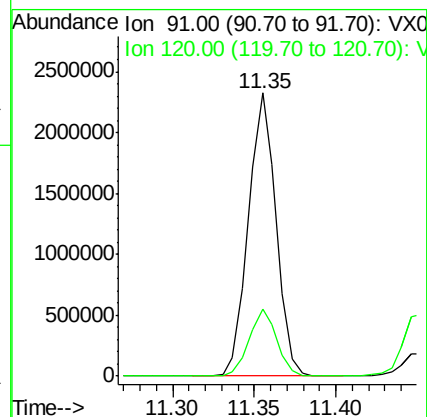
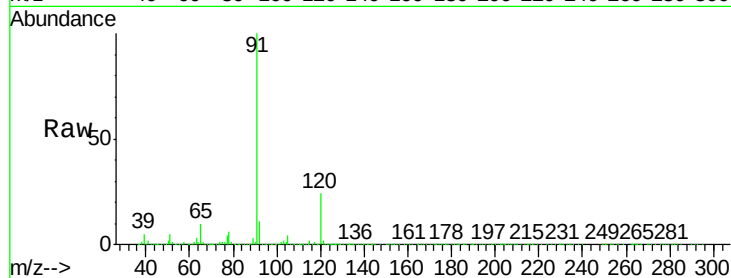
120 23.5 11.7 35.0

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#80

1,3,5-Trimethylbenzene

Concen: 41.337 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014157.D

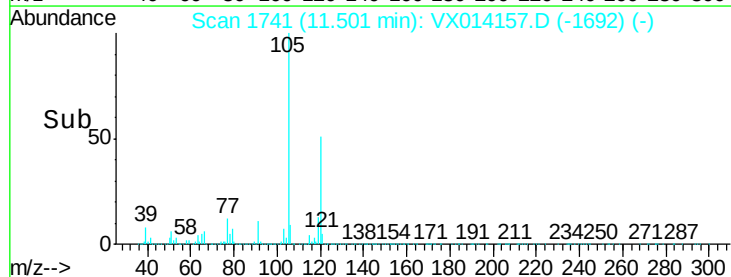
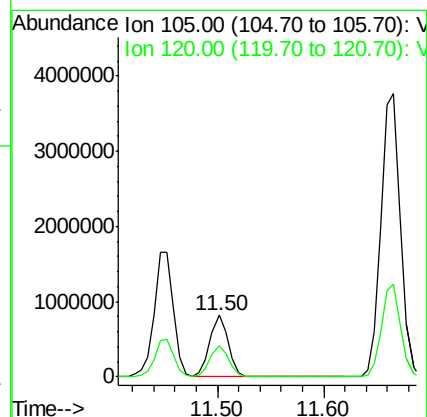
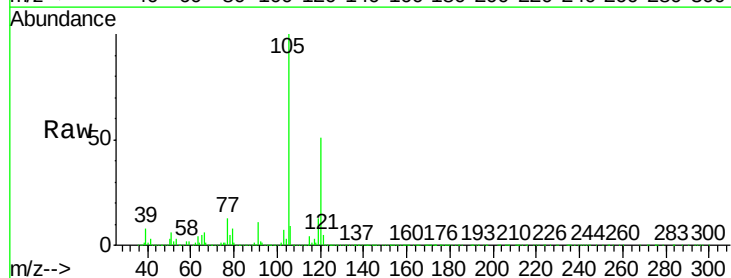
Acq: 20 Dec 2019 06:49

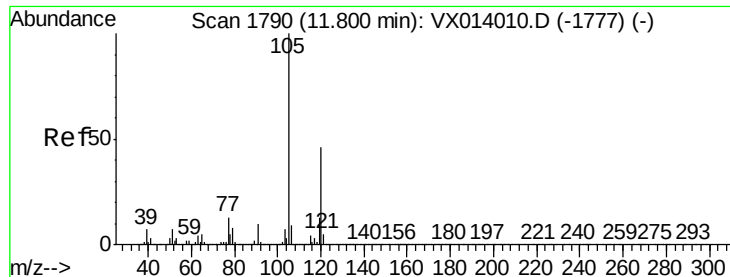
Tgt Ion: 105 Resp: 954975

Ion Ratio Lower Upper

105 100

120 51.3 25.3 75.8





#84

1,2,4-Trimethylbenzene

Concen: 551.817 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX014157.D

Acq: 20 Dec 2019 06:49

Instrument :

MSVOA\_X

ClientSampleId :

MW-14

Tot Ion:105 Resp:12766510

Ion Ratio Lower Upper

105 100

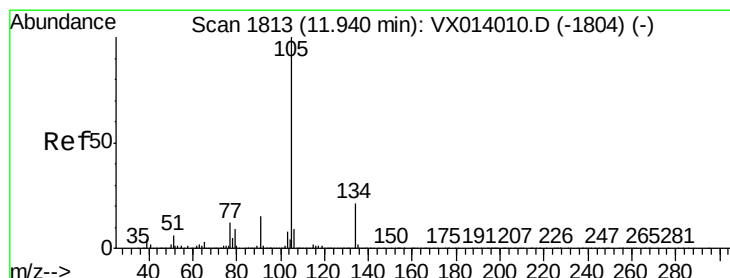
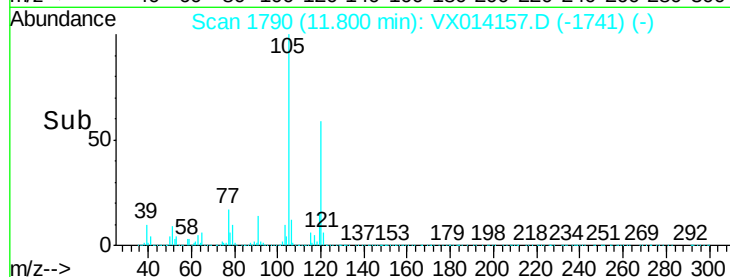
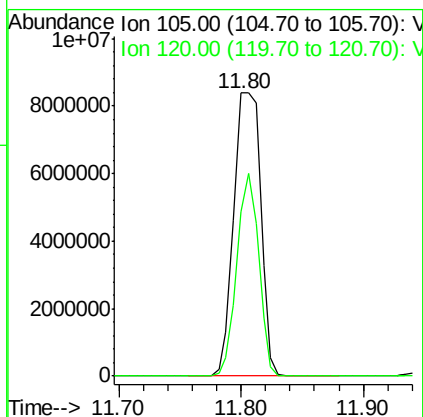
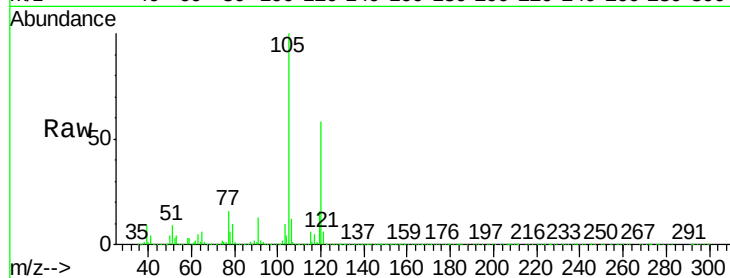
120 58.0 23.1 69.2

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#85

sec-Butylbenzene

Concen: 4.535 ug/l m

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014157.D

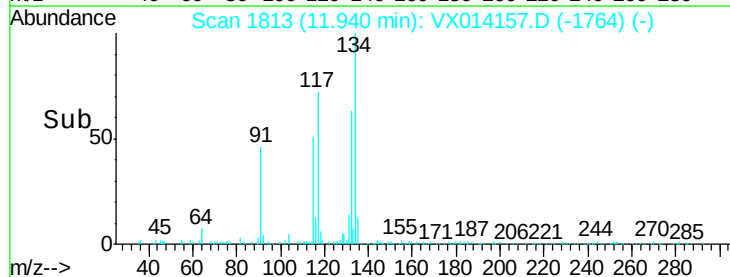
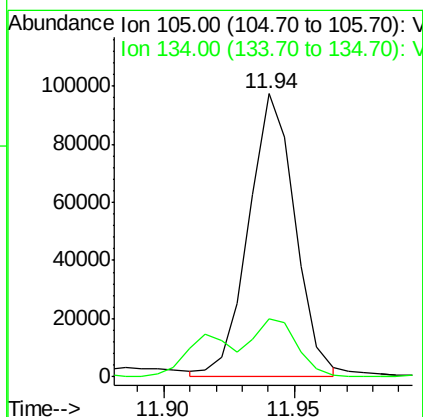
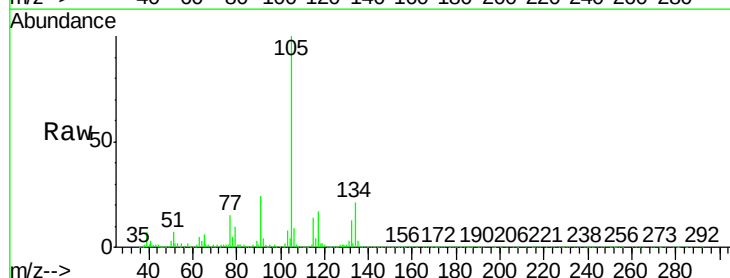
Acq: 20 Dec 2019 06:49

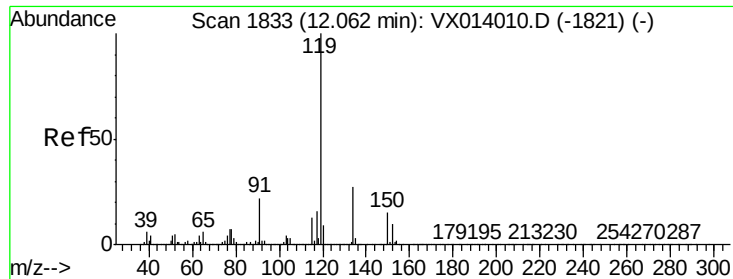
Tgt Ion:105 Resp: 120367

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#





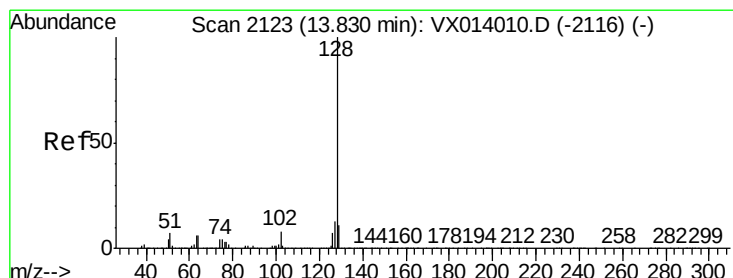
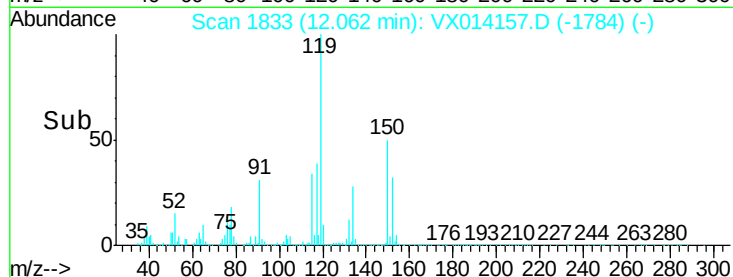
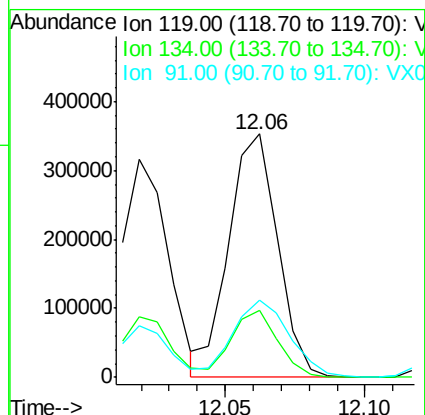
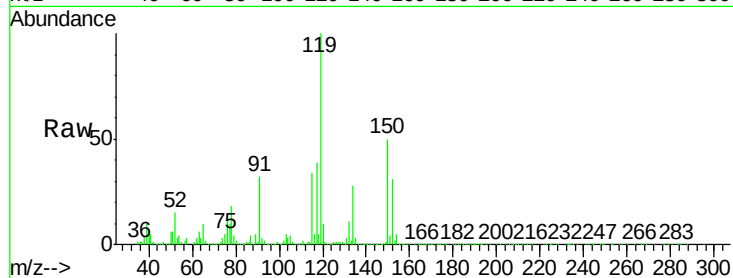
#86  
p-Isopropyltoluene  
Concen: 17.686 ug/l m  
RT: 12.06 min Scan# 1833  
Delta R.T. 0.00 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.8  | 13.4  | 40.1  |
| 91      | 21.3  | 11.4  | 34.1  |

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#95  
Naphthalene  
Concen: 907.644 ug/l m  
RT: 13.82 min Scan# 2122  
Delta R.T. -0.01 min  
Lab File: VX014157.D  
Acq: 20 Dec 2019 06:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 0.0   | 10.2  | 15.4# |
| 129     | 4.3   | 8.7   | 13.1# |

