

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX071119\  
 Data File : VX010820.D  
 Acq On : 11 Jul 2019 20:17  
 Operator : JC/SP  
 Sample : K3749-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-7

Manual Integrations  
 APPROVED

MMDadoda  
 7/12/2019 12:21:35 PM

Quant Time: Jul 19 04:37:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 220414   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 349712   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 323623   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 156438   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 114873   | 55.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.18% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 107109   | 50.06  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.12% |          |
| 50) Toluene-d8              | 8.71  | 98   | 418792   | 51.16  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.32% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 147752   | 49.99  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.98%  |          |
| Target Compounds            |       |      |          |        |         |          |
|                             |       |      |          |        | Qvalue  |          |
| 16) Acetone                 | 2.44  | 43   | 8785     | 8.482  | ug/l    | 97       |
| 31) Cyclohexane             | 5.58  | 56   | 16268    | 5.450  | ug/l #  | 89       |
| 39) Methylcyclohexane       | 7.46  | 83   | 12476    | 3.415  | ug/l    | 90       |
| 40) Benzene                 | 6.15  | 78   | 595115   | 68.737 | ug/l    | 100      |
| 52) Toluene                 | 8.79  | 92   | 17930    | 3.145  | ug/l    | 97       |
| 65) Chlorobenzene           | 10.13 | 112  | 2022     | 0.308  | ug/l    | 96       |
| 67) Ethyl Benzene           | 10.25 | 91   | 19743    | 1.780  | ug/l    | 100      |
| 68) m/p-Xylenes             | 10.35 | 106  | 30182    | 7.023  | ug/l    | 100      |
| 69) o-Xylene                | 10.69 | 106  | 1445     | 0.342  | ug/l    | 91       |
| 73) Isopropylbenzene        | 11.02 | 105  | 51916    | 4.896  | ug/l    | 98       |
| 78) n-propylbenzene         | 11.36 | 91   | 40231    | 3.452  | ug/l    | 99       |
| 83) tert-Butylbenzene       | 11.77 | 119  | 1815     | 0.207  | ug/l    | 88       |
| 85) sec-Butylbenzene        | 11.94 | 105  | 3129     | 0.304  | ug/l #  | 54       |
| 89) n-Butylbenzene          | 12.38 | 91   | 2088m    | 0.258  | ug/l    |          |

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

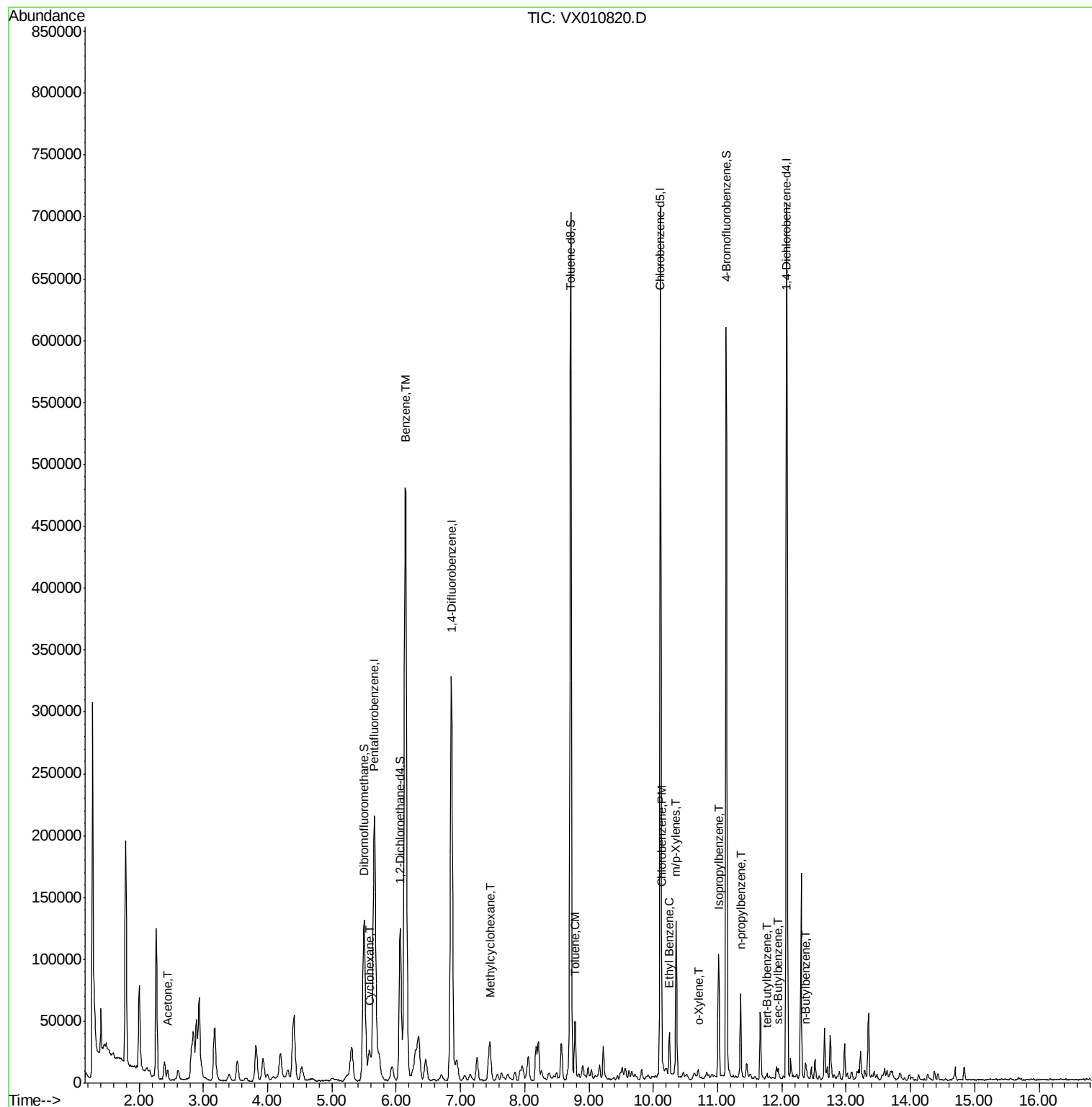
Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX071119\  
Data File : VX010820.D  
Acq On : 11 Jul 2019 20:17  
Operator : JC/SP  
Sample : K3749-08  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 28 Sample Multiplier: 1

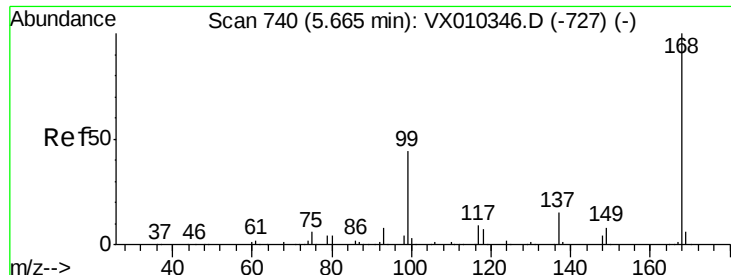
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-7

Manual Integrations  
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7/12/2019 12:21:35 PM

Quant Time: Jul 19 04:37:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010820.D

Acq: 11 Jul 2019 20:17

Instrument :

MSVOA\_X

ClientSampled :

MW-7

Tot Ion:168 Resp: 220414

Ion Ratio Lower Upper

168 100

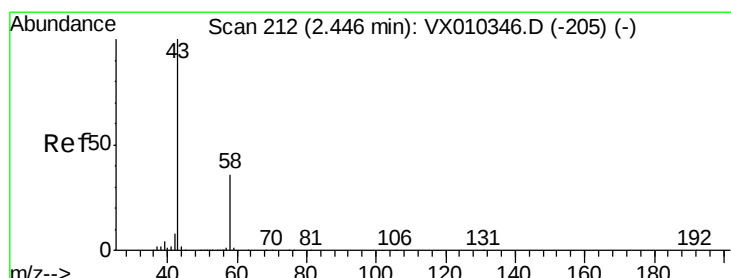
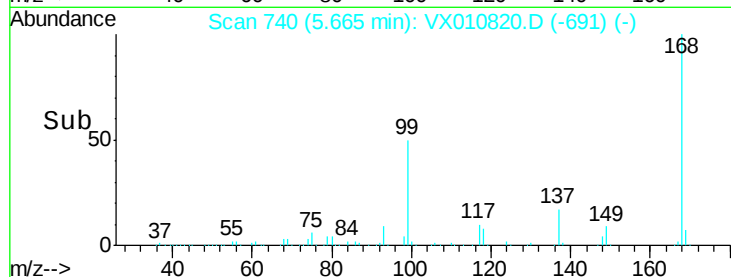
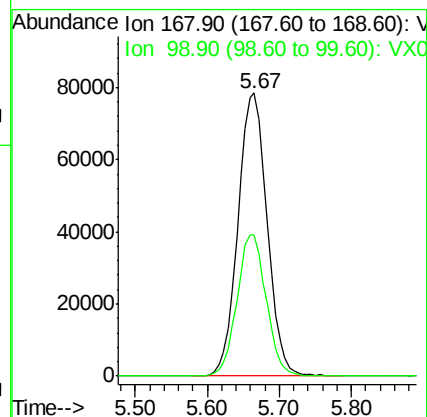
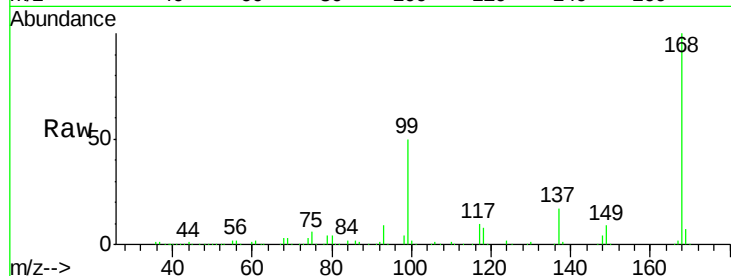
99 49.9 35.5 53.3

Manual Integrations

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#16

Acetone

Concen: 8.482 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010820.D

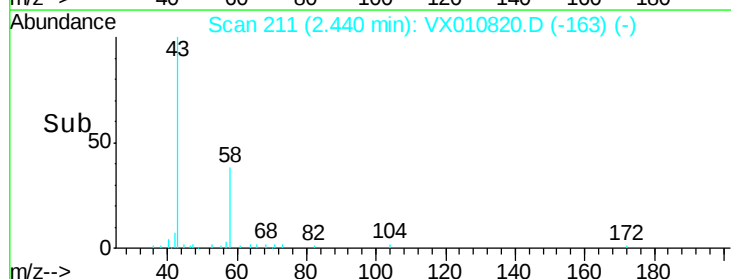
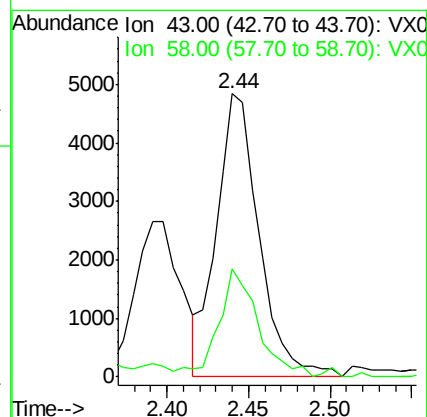
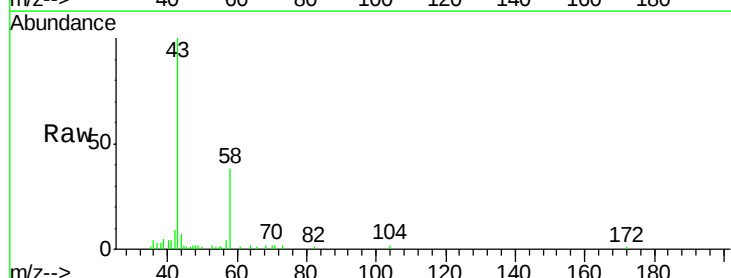
Acq: 11 Jul 2019 20:17

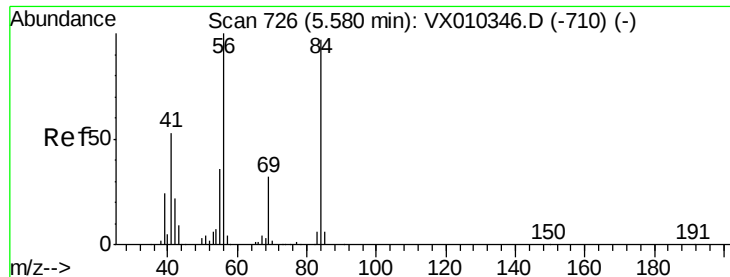
Tgt Ion: 43 Resp: 8785

Ion Ratio Lower Upper

43 100

58 38.0 28.9 43.3





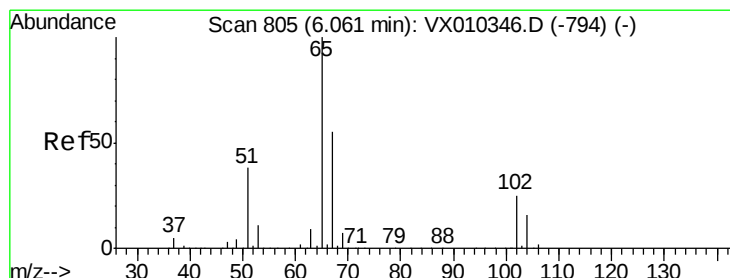
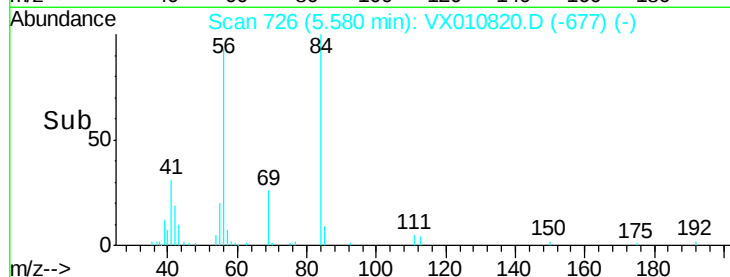
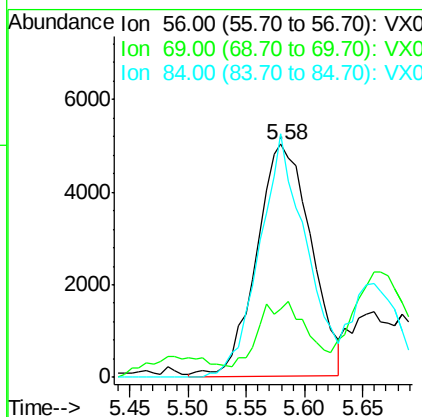
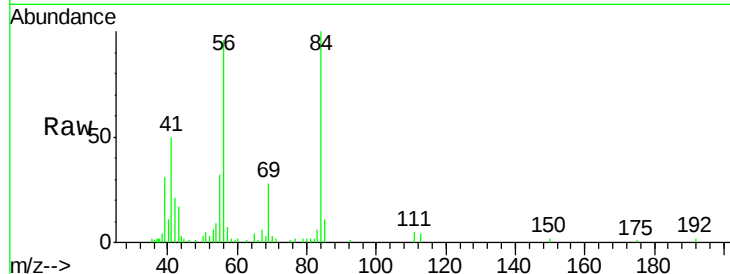
#31  
Cyclohexane  
Concen: 5.450 ug/l  
RT: 5.58 min Scan# 726  
Delta R.T. 0.00 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 21.5  | 25.9  | 38.9# |
| 84      | 106.2 | 78.0  | 117.0 |

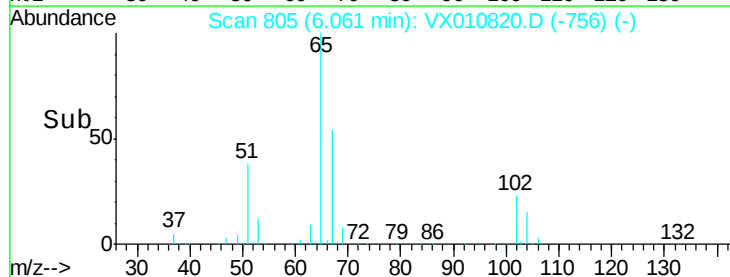
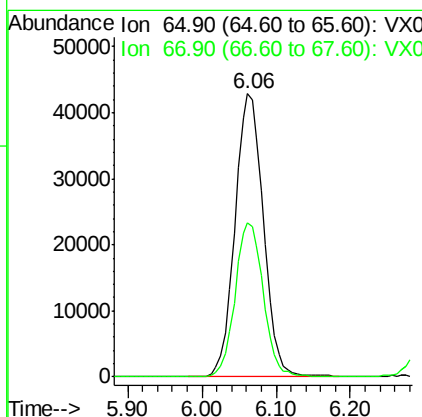
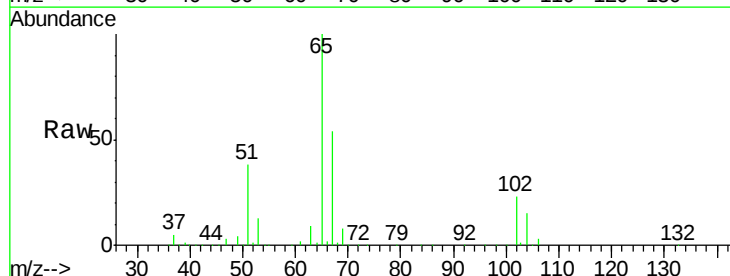
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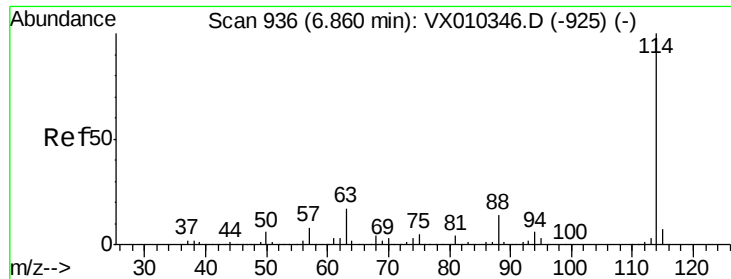
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#33  
1,2-Dichloroethane-d4  
Concen: 55.585 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.9  | 0.0   | 110.2 |





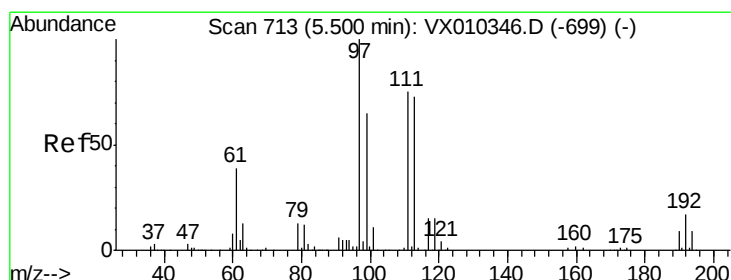
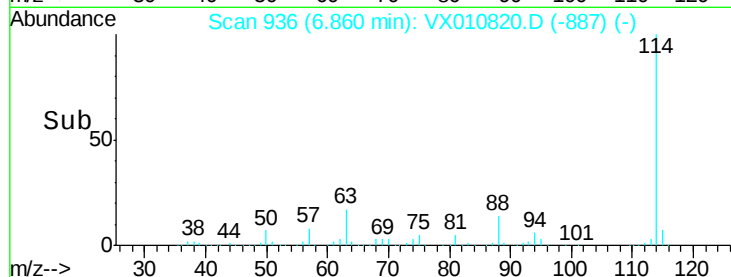
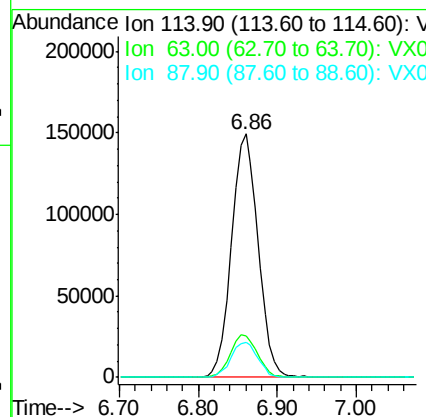
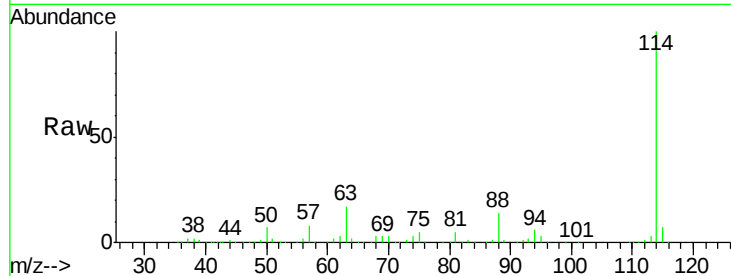
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.86 min Scan# 936  
Delta R.T. 0.00 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 349712 |       |       |
| 63      | 17.2  | 0.0    | 33.8  |       |
| 88      | 14.5  | 0.0    | 27.6  |       |

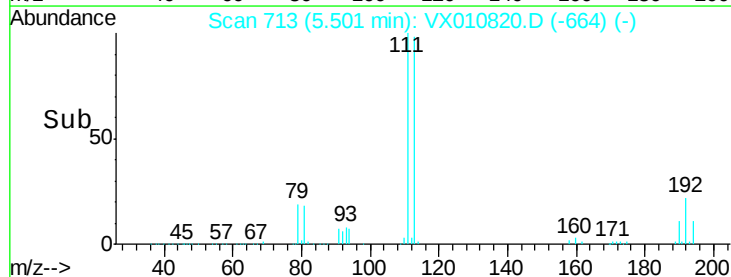
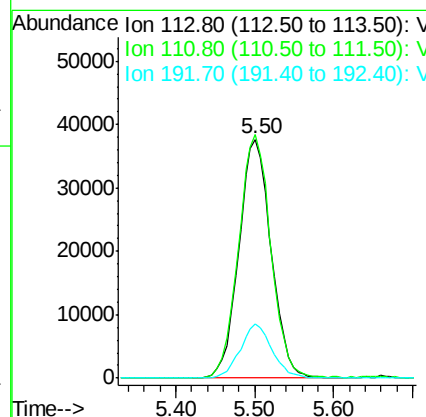
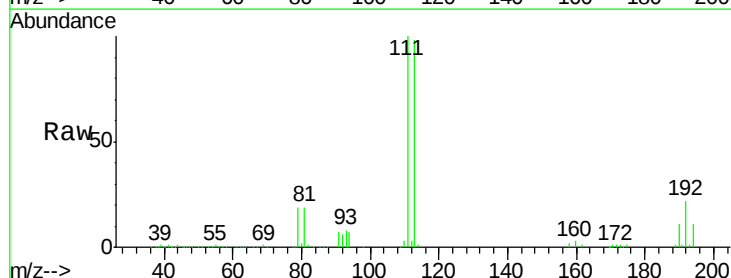
Manual Integrations  
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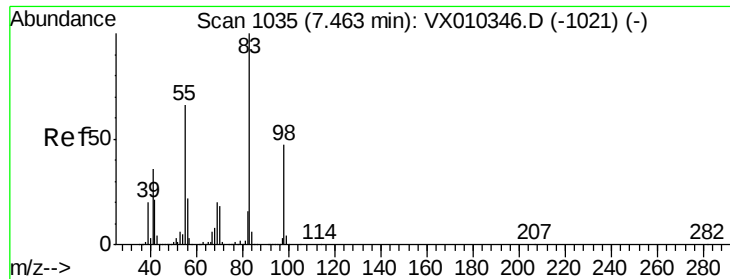
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#35  
Dibromofluoromethane  
Concen: 50.059 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. 0.00 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 107109 |       |       |
| 111     | 102.1 | 81.2   | 121.8 |       |
| 192     | 22.3  | 18.6   | 27.8  |       |





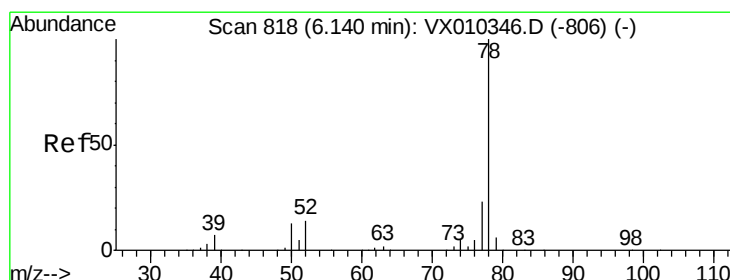
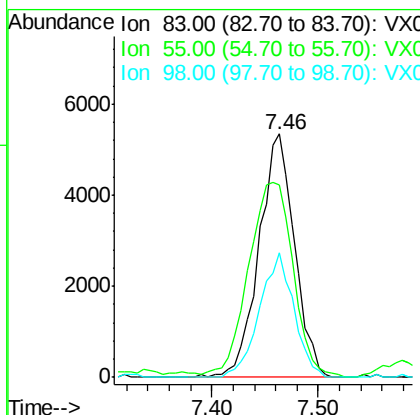
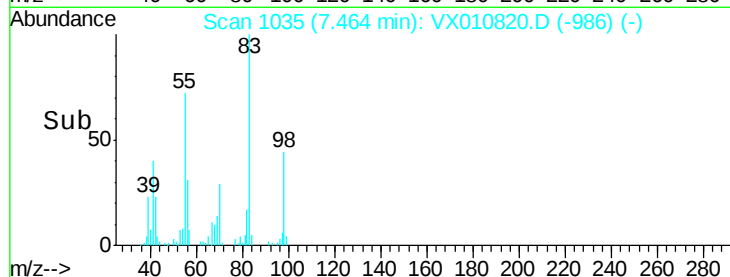
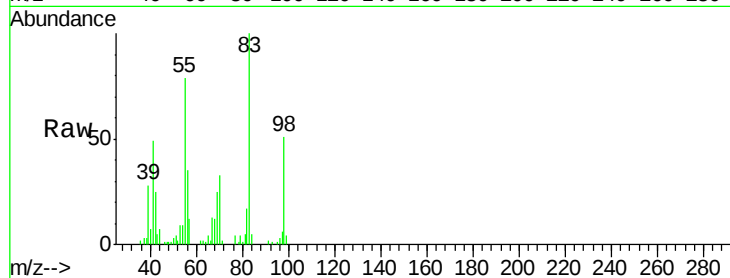
#39  
Methvlcvclohexane  
Concen: 3.415 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7

| Tot Ion   | 83    | Resp  | 12476 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 77.5  | 53.0  | 79.6  |
| 98        | 51.0  | 37.8  | 56.8  |

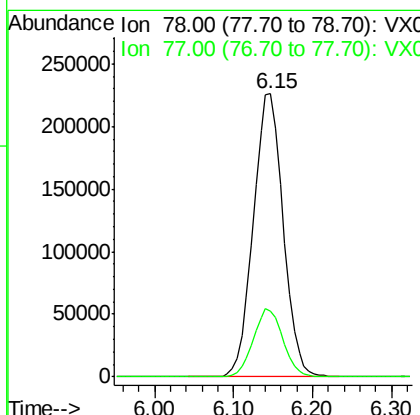
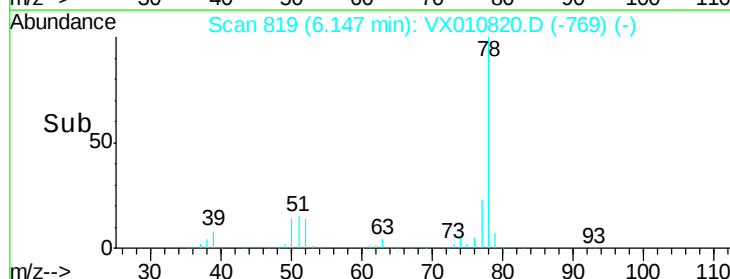
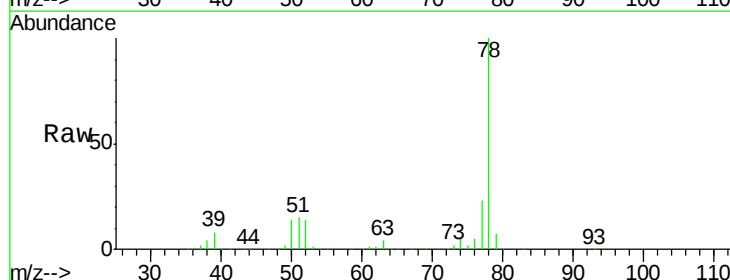
Manual Integrations  
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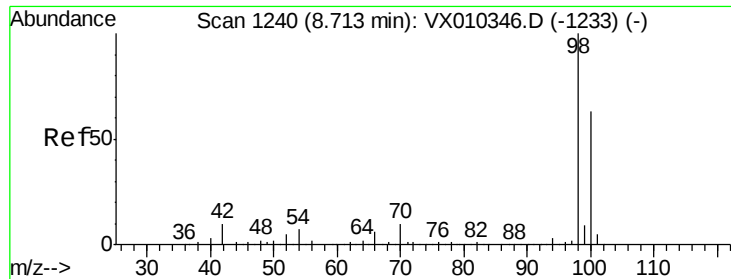
MMDadoda  
7/12/2019 12:21:35 PM



#40  
Benzene  
Concen: 68.737 ug/l  
RT: 6.15 min Scan# 819  
Delta R.T. 0.01 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

| Tgt Ion   | 78    | Resp  | 595115 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.4  | 18.6  | 28.0   |





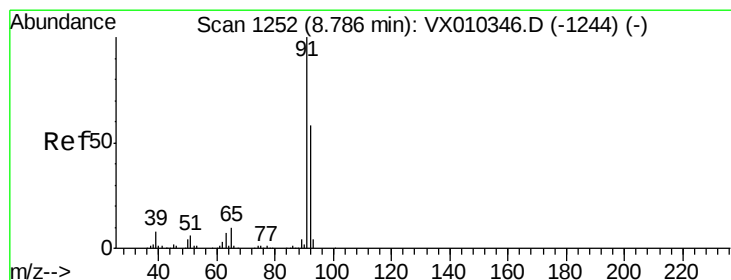
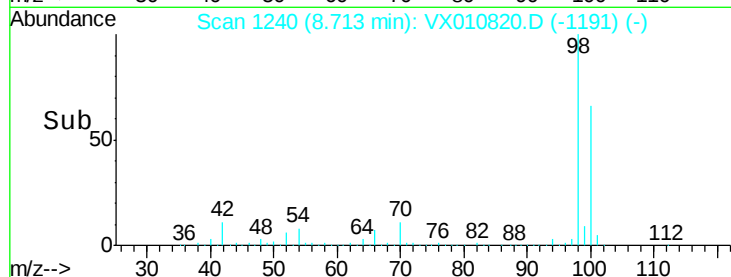
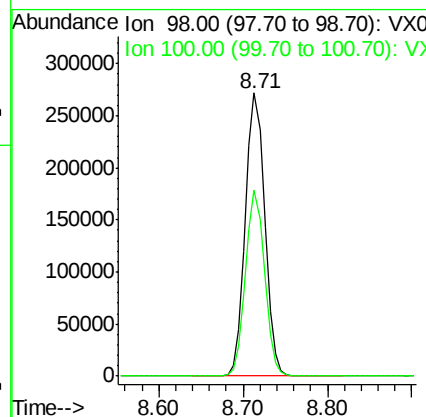
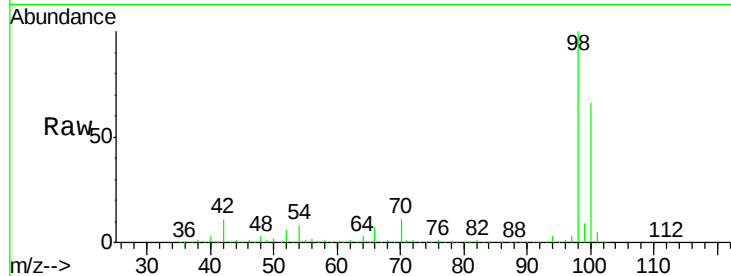
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Toluene-d8  
Concen: 51.160 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7

Tot Ion: 98 Resp: 418792  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.6 77.4

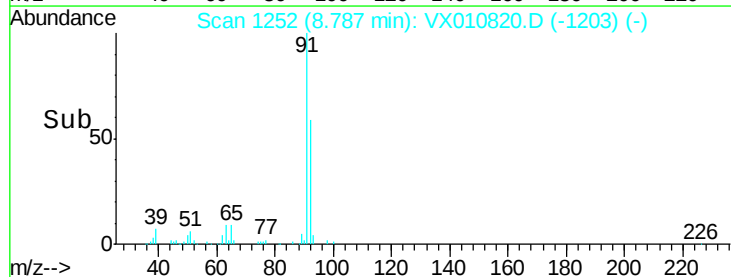
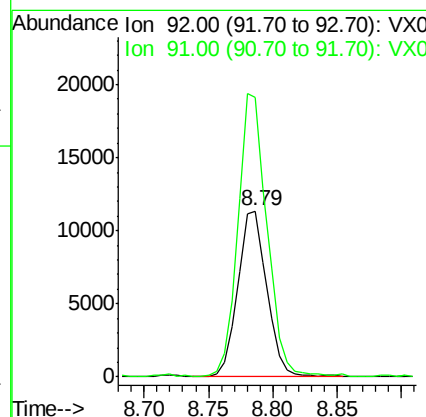
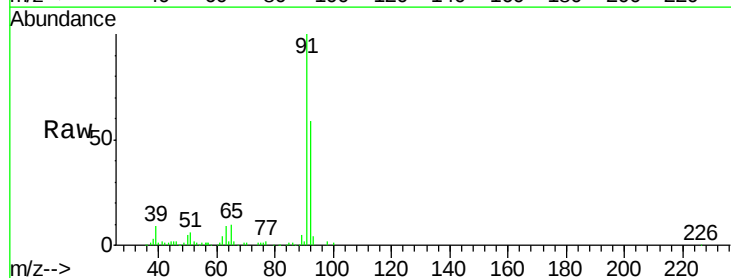
Manual Integrations  
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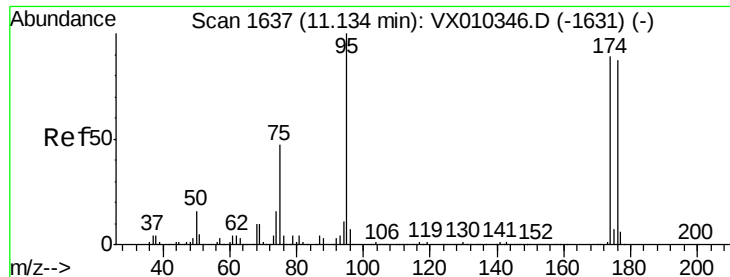
MMDadoda  
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#52  
Toluene  
Concen: 3.145 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. 0.00 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

Tgt Ion: 92 Resp: 17930  
Ion Ratio Lower Upper  
92 100  
91 170.5 139.8 209.6





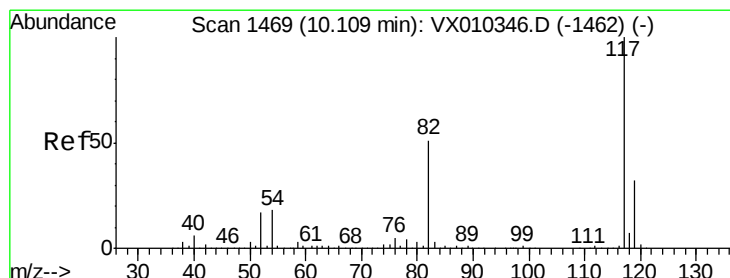
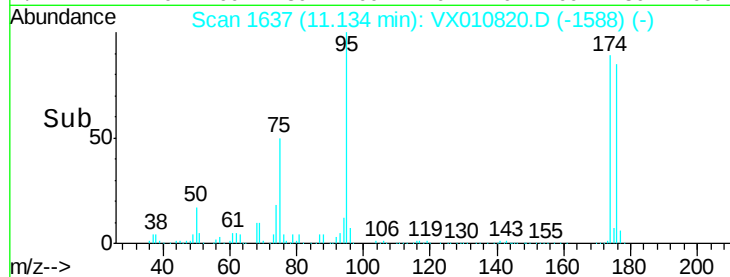
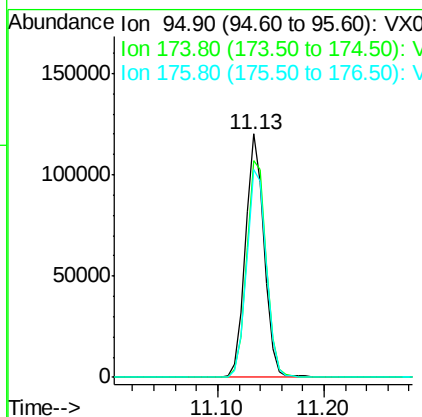
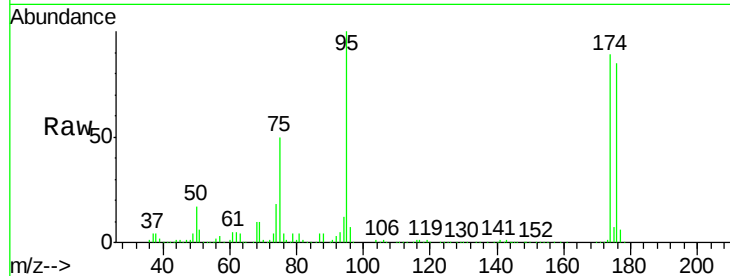
#62  
4-Bromofluorobenzene  
Concen: 49.995 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 95      | 100  |       | 147752 |       |       |
| 174     | 93.8 | 0.0   | 187.6  |       |       |
| 176     | 90.0 | 0.0   | 184.0  |       |       |

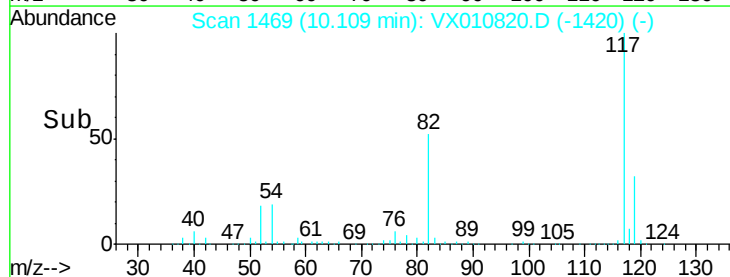
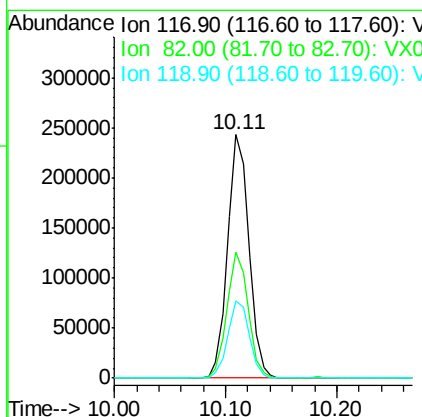
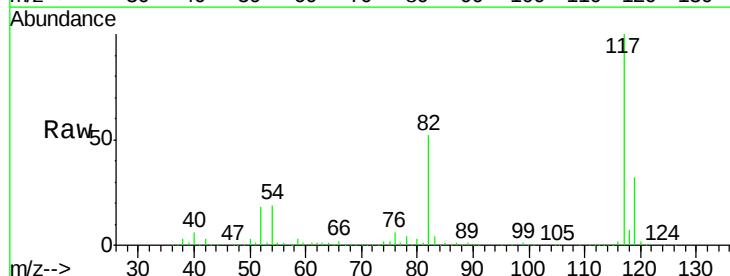
Manual Integrations  
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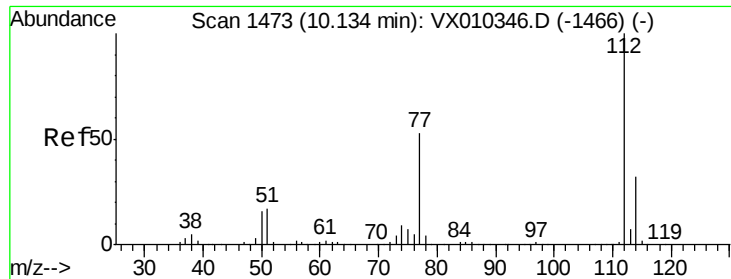
MMDadoda  
7/12/2019 12:21:35 PM



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 117     | 100  |       | 323623 |       |       |
| 82      | 51.6 | 41.2  | 61.8   |       |       |
| 119     | 31.8 | 25.5  | 38.3   |       |       |





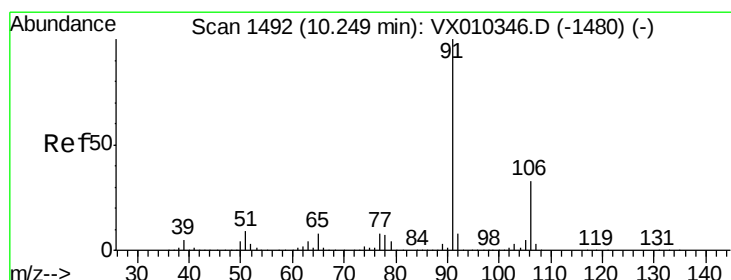
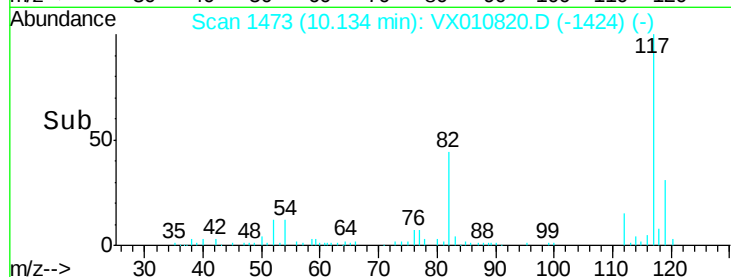
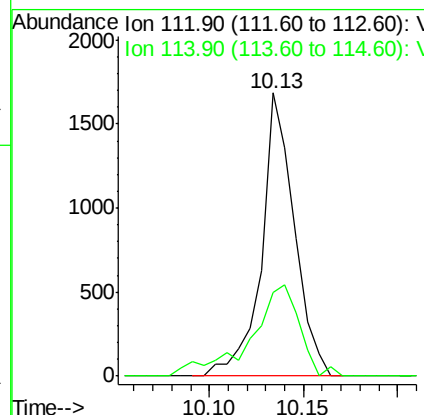
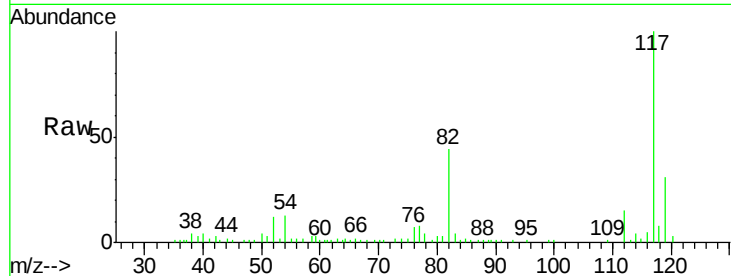
#65  
Chlorobenzene  
Concen: 0.308 ug/l  
RT: 10.13 min Scan# 1473  
Delta R.T. 0.00 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-7

Tot Ion:112 Resp: 2022  
Ion Ratio Lower Upper  
112 100  
114 29.5 25.4 38.2

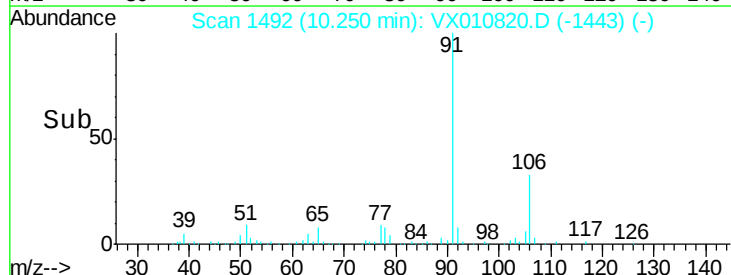
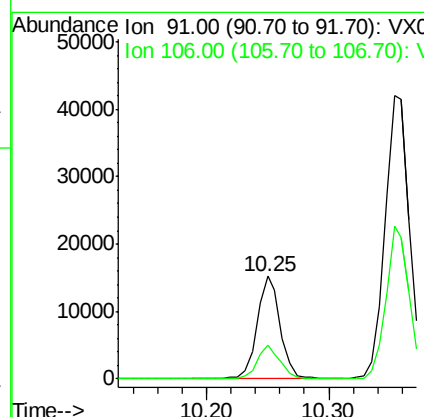
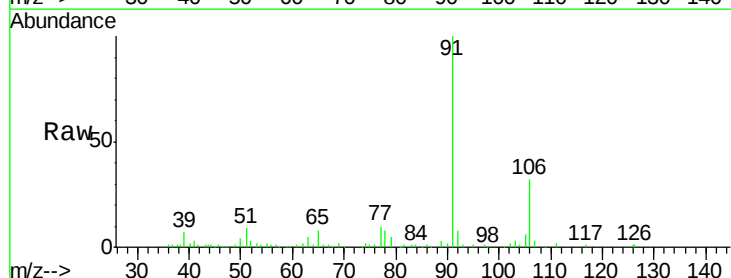
Manual Integrations  
APPROVED

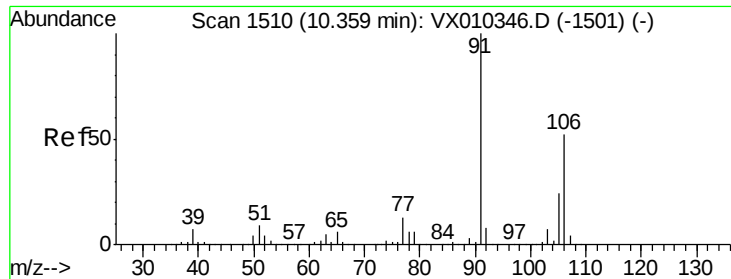
MMDadoda  
7/12/2019 12:21:35 PM



#67  
Ethyl Benzene  
Concen: 1.780 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

Tgt Ion: 91 Resp: 19743  
Ion Ratio Lower Upper  
91 100  
106 32.7 26.2 39.2





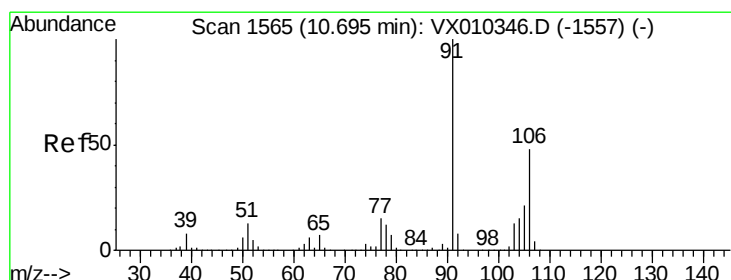
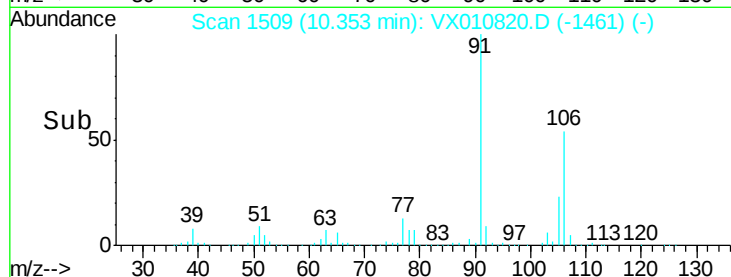
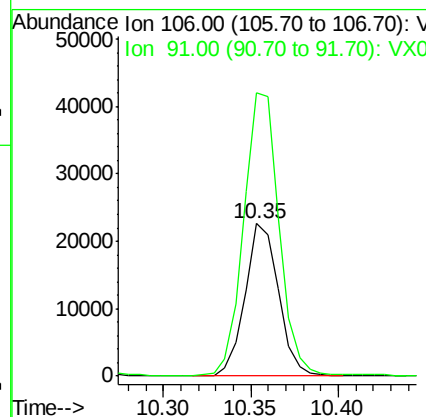
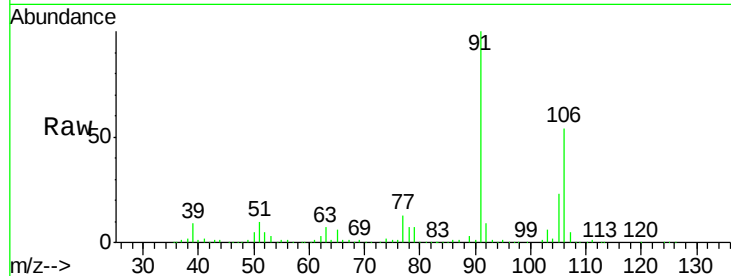
#68  
m/p-Xvlenes  
Concen: 7.023 ug/l  
RT: 10.35 min Scan# 1509  
Delta R.T. -0.01 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-7

Tot Ion:106 Resp: 30182  
Ion Ratio Lower Upper  
106 100  
91 194.3 155.3 232.9

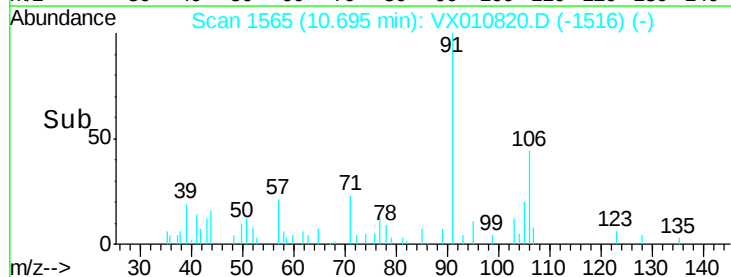
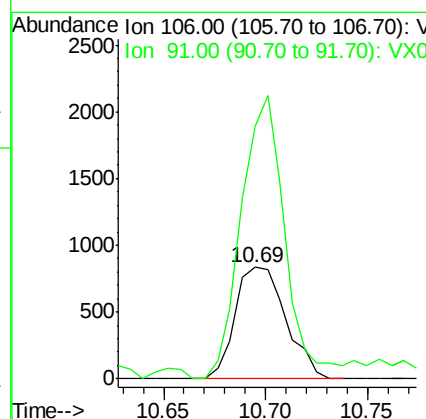
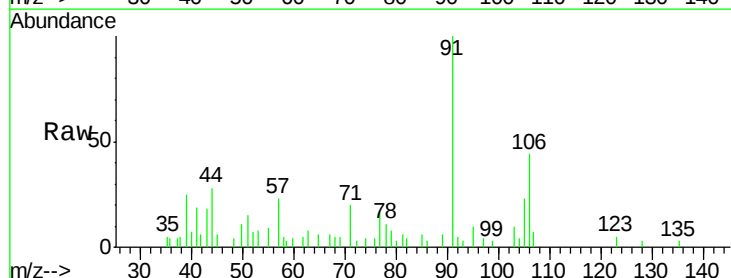
Manual Integrations  
APPROVED

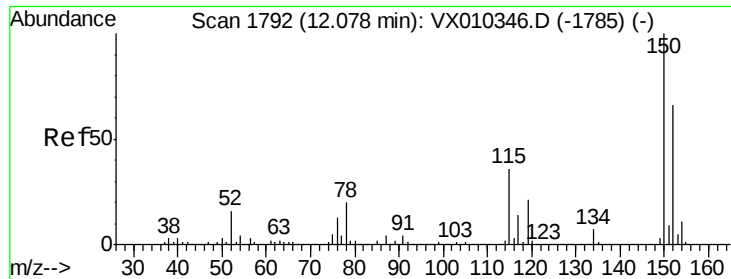
MMDadoda  
7/12/2019 12:21:35 PM



#69  
o-Xylene  
Concen: 0.342 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. 0.00 min  
Lab File: VX010820.D  
Acq: 11 Jul 2019 20:17

Tgt Ion:106 Resp: 1445  
Ion Ratio Lower Upper  
106 100  
91 218.7 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010820.D

Acq: 11 Jul 2019 20:17

Instrument :

MSVOA\_X

ClientSampled :

MW-7

Tot Ion:152 Resp: 156438

Ion Ratio Lower Upper

152 100

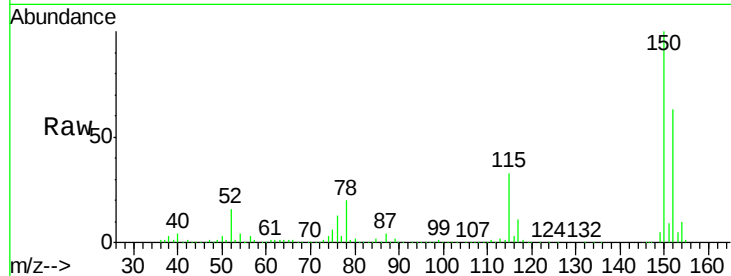
115 55.7 38.6 115.7

150 157.1 0.0 347.4

Manual Integrations  
APPROVED

MMDadoda

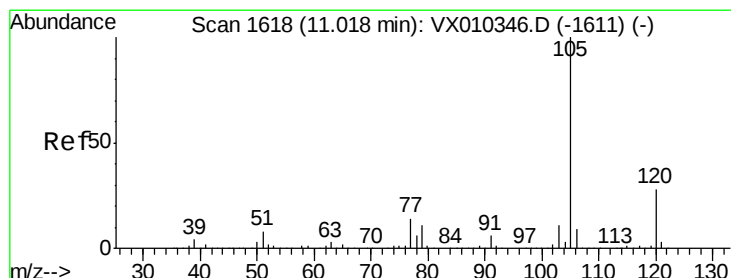
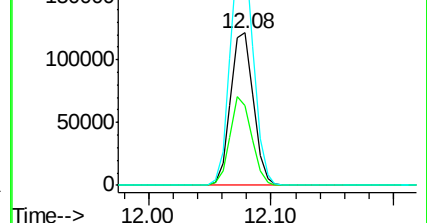
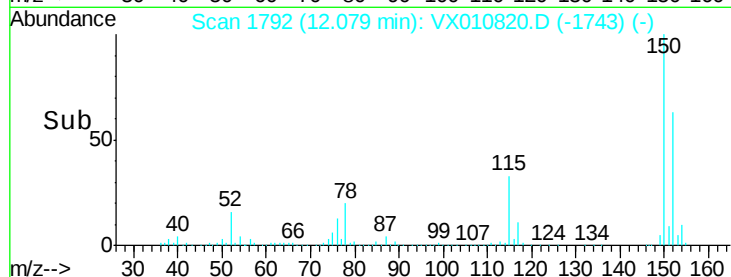
7/12/2019 12:21:35 PM



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: 4.896 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010820.D

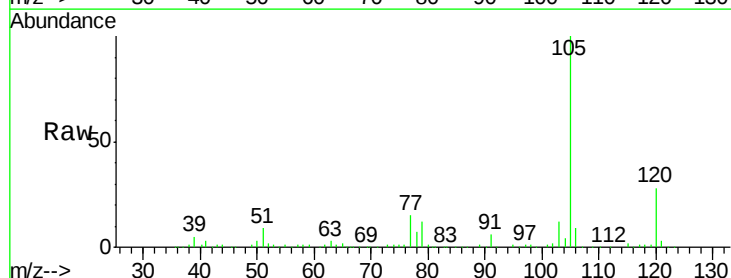
Acq: 11 Jul 2019 20:17

Tgt Ion:105 Resp: 51916

Ion Ratio Lower Upper

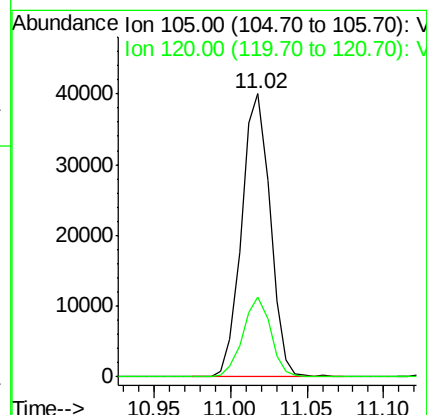
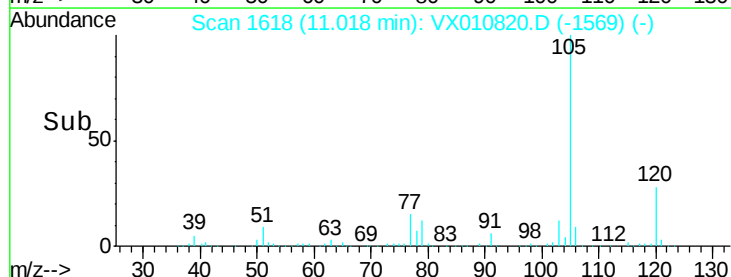
105 100

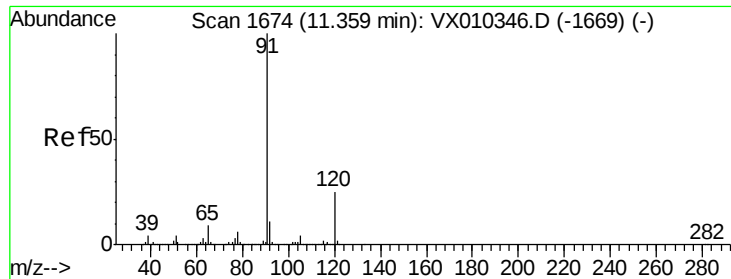
120 27.5 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.452 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010820.D

Acq: 11 Jul 2019 20:17

Instrument :

MSVOA\_X

ClientSampled :

MW-7

Tot Ion: 91 Resp: 40231

Ion Ratio Lower Upper

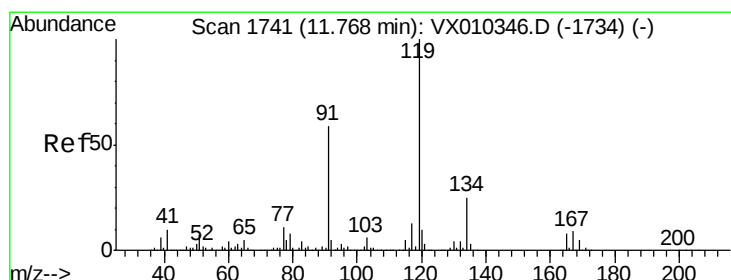
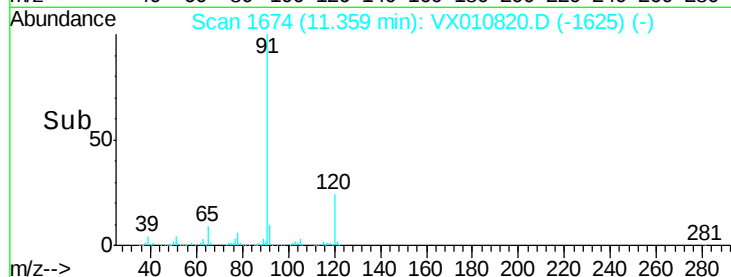
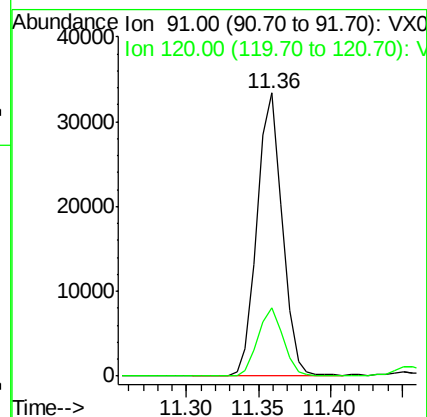
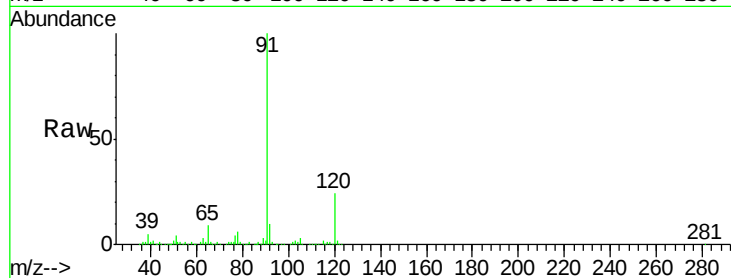
91 100

120 24.3 12.4 37.4

Manual Integrations  
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#83

tert-Butylbenzene

Concen: 0.207 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010820.D

Acq: 11 Jul 2019 20:17

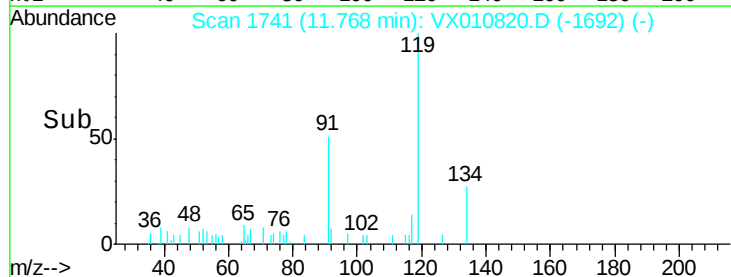
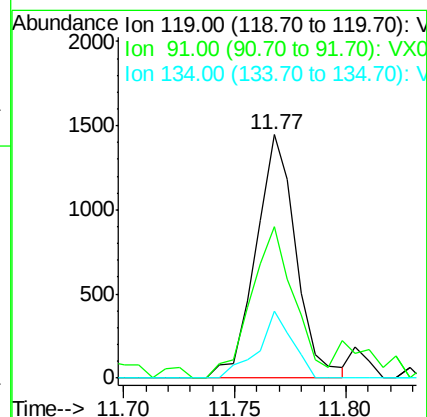
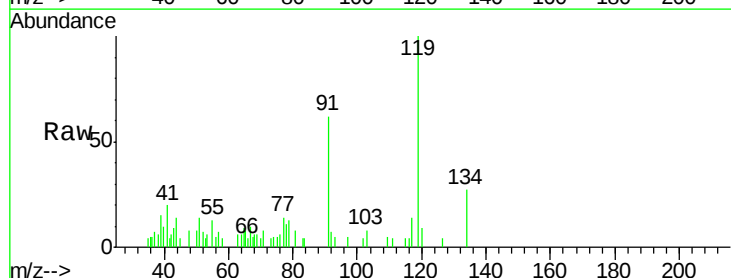
Tgt Ion: 119 Resp: 1815

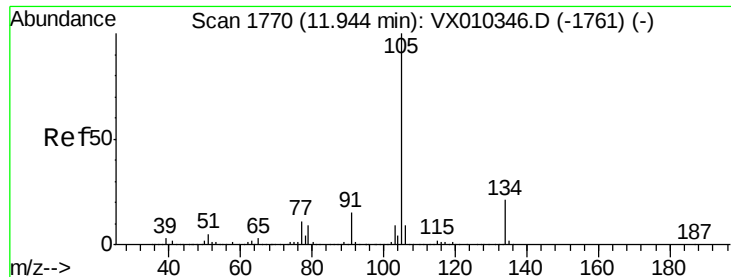
Ion Ratio Lower Upper

119 100

91 67.3 27.6 82.7

134 23.2 11.8 35.4





#85

sec-Butylbenzene

Concen: 0.304 ug/l

RT: 11.94 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VX010820.D

Acq: 11 Jul 2019 20:17

Instrument :

MSVOA\_X

ClientSampled :

MW-7

Tot Ion:105 Resp: 3129

Ion Ratio Lower Upper

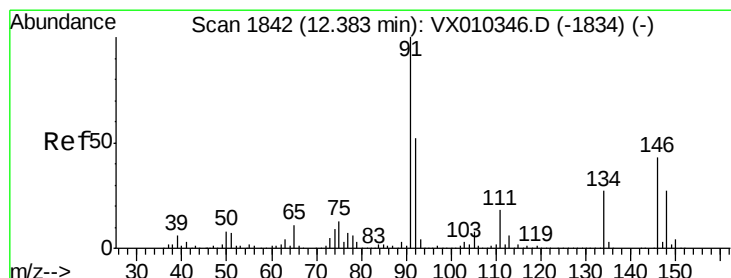
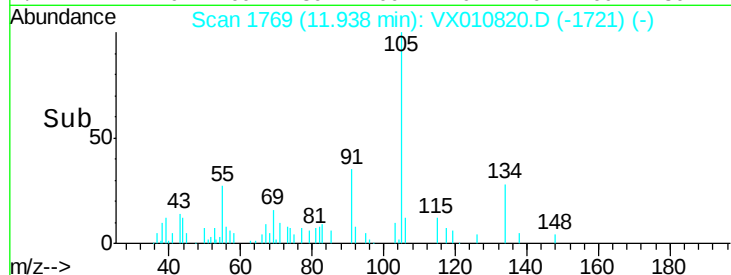
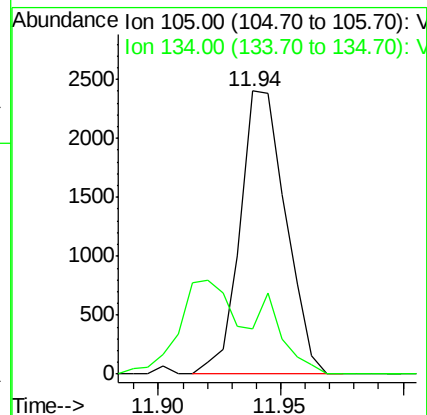
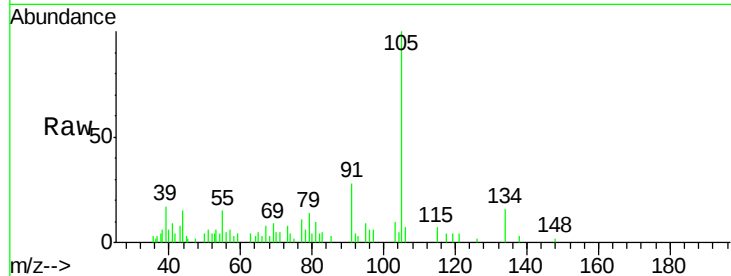
105 100

134 42.8 10.7 31.9#

Manual Integrations  
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#89

n-Butylbenzene

Concen: 0.258 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010820.D

Acq: 11 Jul 2019 20:17

Tgt Ion: 91 Resp: 2088

Ion Ratio Lower Upper

91 100

92 63.1 26.2 78.5

134 0.0 14.1 42.4#

