

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\  
 Data File : VW004354.D  
 Acq On : 30 Jul 2018 10:36  
 Operator : SY/AP  
 Sample : J4126-09RE  
 Misc : 5.02G/5ML/MSVOA W/SOIL  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 2018-NYSEG-CLARK-AREA-9RE

Quant Time: Jul 30 12:03:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 30 02:37:04 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 120107   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 192653   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 144817   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 59854    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 59907    | 49.45 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.90% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 57882    | 47.54 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.08% |          |
| 50) Toluene-d8              | 10.33 | 98   | 163637   | 34.01 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 68.02% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 62561    | 36.93 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 73.86% |          |

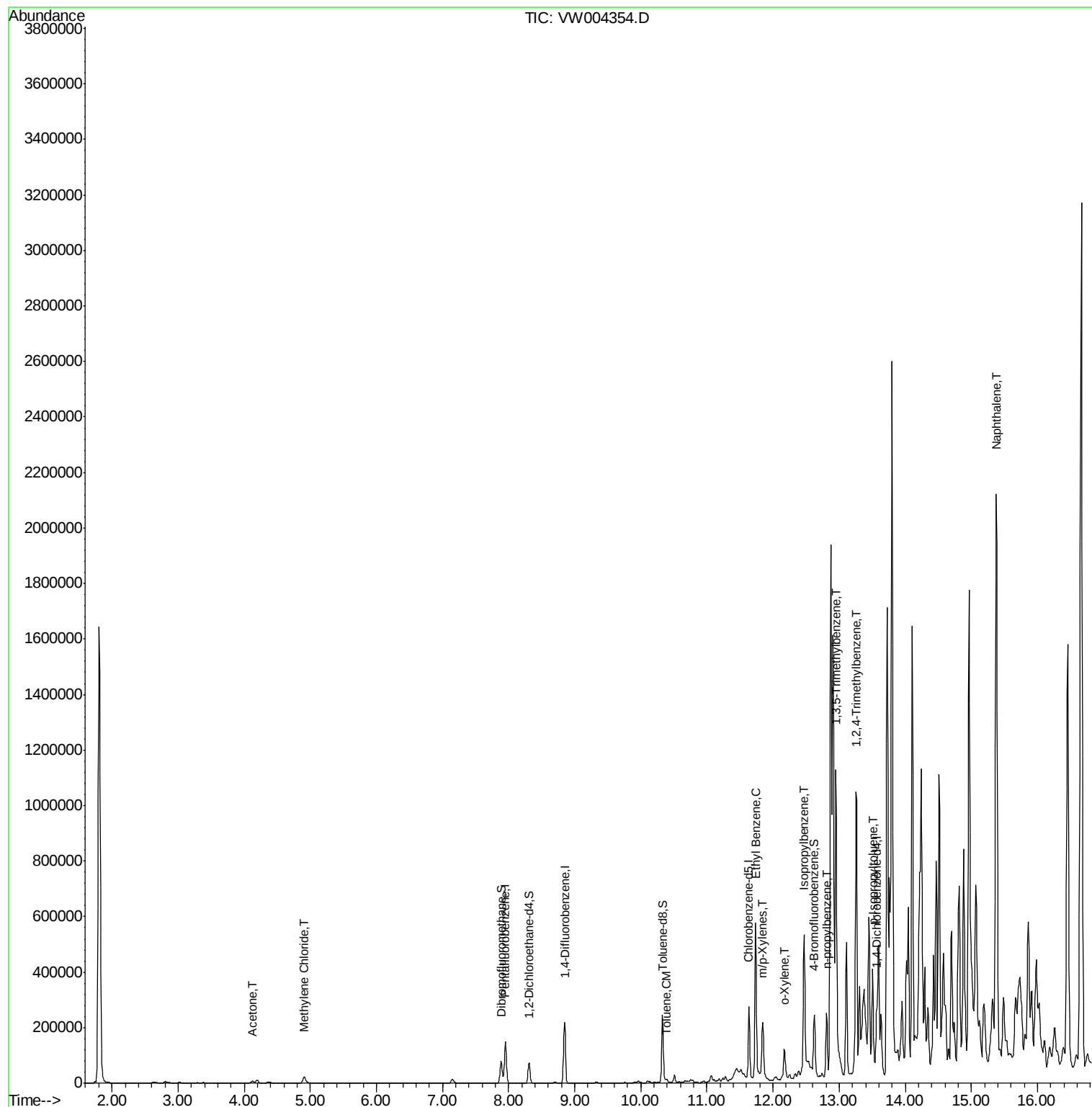
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 16) Acetone                | 4.12  | 43   | 12731    | 52.62  | ug/l  | 92     |
| 20) Methylene Chloride     | 4.91  | 84   | 18721    | 15.05  | ug/l  | # 86   |
| 52) Toluene                | 10.39 | 92   | 3815     | 1.12   | ug/l  | 84     |
| 67) Ethyl Benzene          | 11.74 | 91   | 386604   | 72.92  | ug/l  | 97     |
| 68) m/p-Xylenes            | 11.84 | 106  | 54904    | 26.91  | ug/l  | 100    |
| 69) o-Xylene               | 12.17 | 106  | 28937    | 15.35  | ug/l  | 100    |
| 73) Isopropylbenzene       | 12.47 | 105  | 311161   | 74.97  | ug/l  | 99     |
| 78) n-propylbenzene        | 12.81 | 91   | 172808   | 34.18  | ug/l  | 95     |
| 80) 1,3,5-Trimethylbenzene | 12.95 | 105  | 497365   | 139.11 | ug/l  | 98     |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105  | 595678   | 163.36 | ug/l  | 98     |
| 86) p-Isopropyltoluene     | 13.51 | 119  | 170169   | 43.55  | ug/l  | 96     |
| 95) Naphthalene            | 15.38 | 128  | 1720532  | 792.75 | ug/l  | 98     |

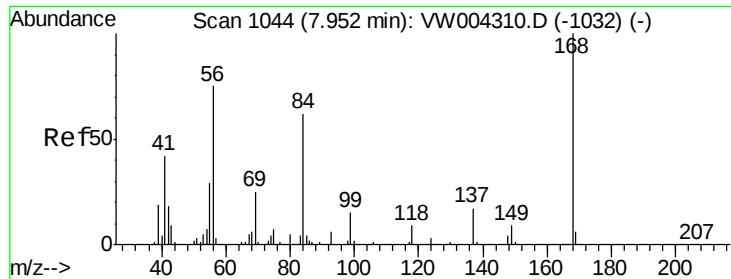
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 30 02:37:04 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004354.D

Acq: 30 Jul 2018 10:36

Instrument :

MSVOA\_W

ClientSampleId :

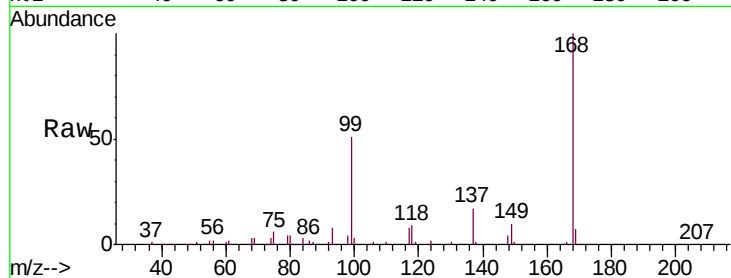
2018-NYSEG-CLARK-AREA-9RE

Tot Ion:168 Resp: 120107

Ion Ratio Lower Upper

168 100

99 51.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

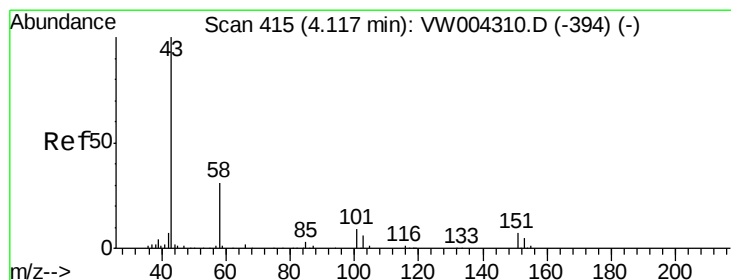
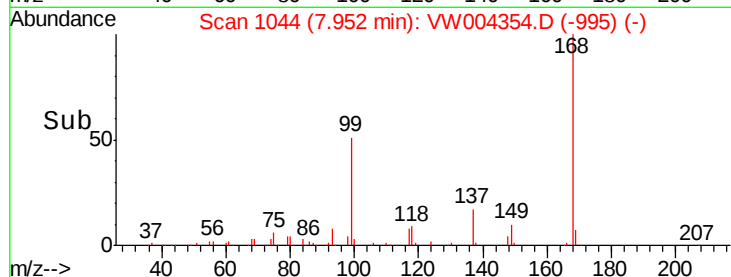
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 52.62 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW004354.D

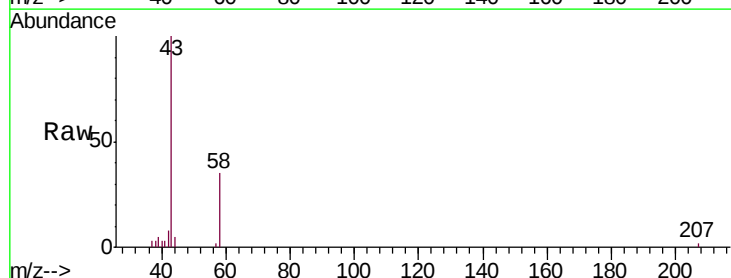
Acq: 30 Jul 2018 10:36

Tgt Ion: 43 Resp: 12731

Ion Ratio Lower Upper

43 100

58 35.3 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

5000

4000

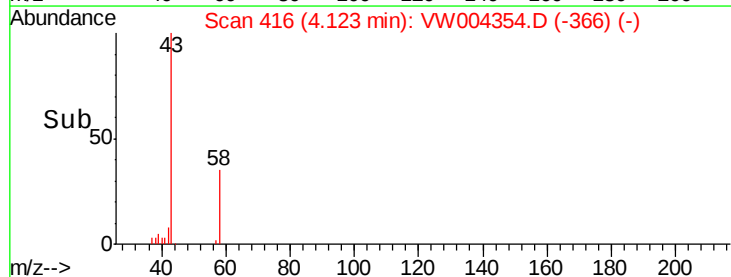
3000

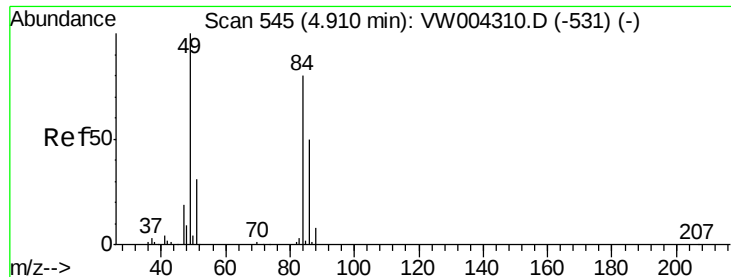
2000

1000

0

Time-->

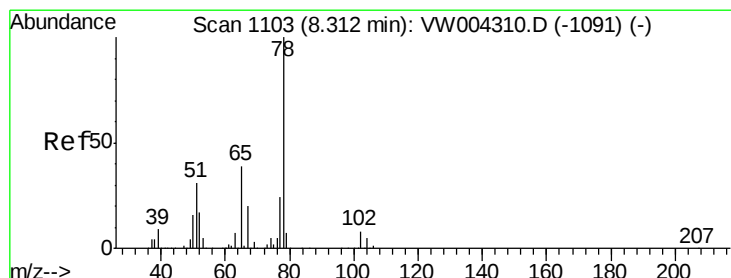
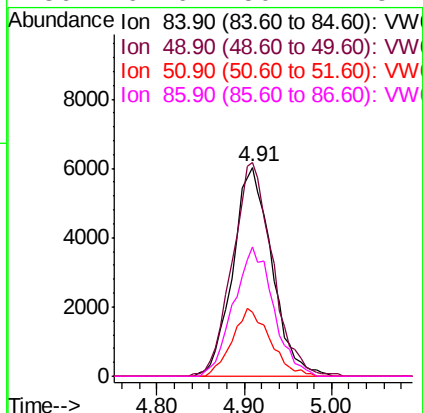
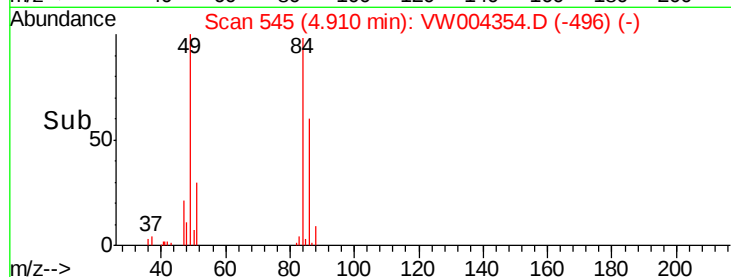
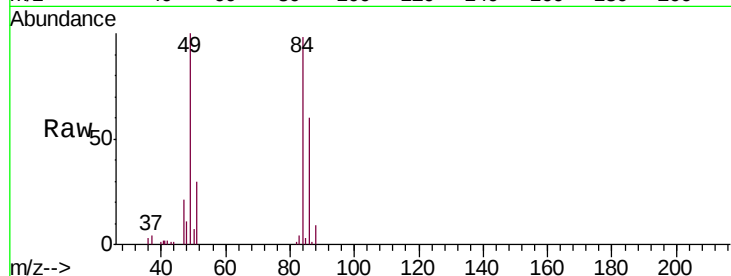




#20  
Methylene Chloride  
Concen: 15.05 ug/l  
RT: 4.91 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: VW004354.D  
Acq: 30 Jul 2018 10:36

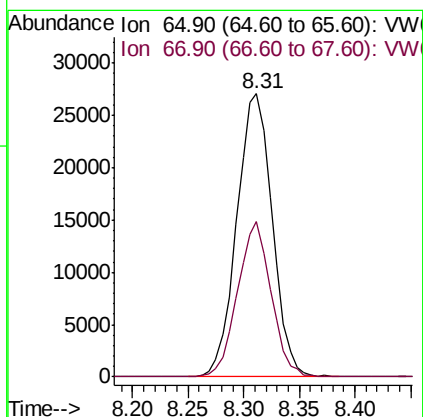
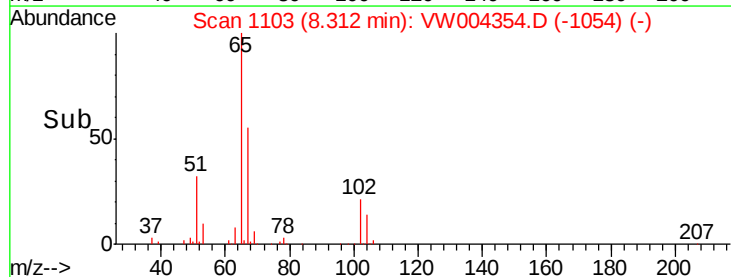
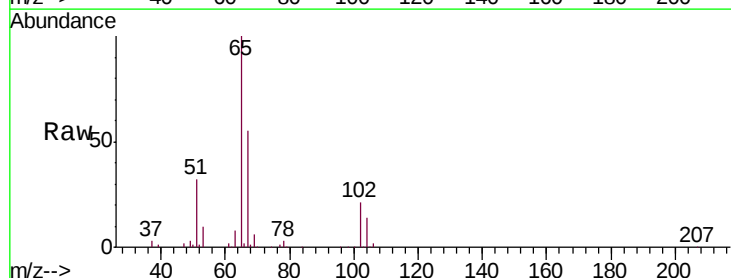
Instrument :  
MSVOA\_W  
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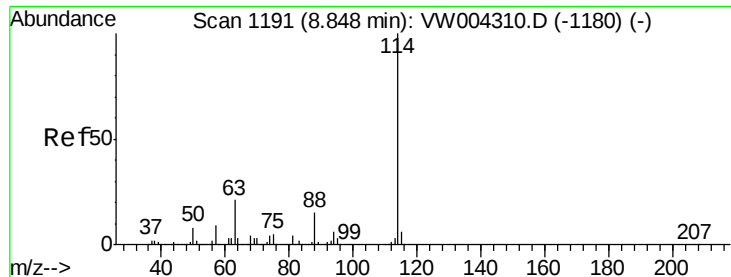
Tot Ion: 84 Resp: 18721  
Ion Ratio Lower Upper  
84 100  
49 102.2 100.5 150.7  
51 30.4 30.9 46.3#  
86 61.6 50.2 75.4



#33  
1,2-Dichloroethane-d4  
Concen: 49.45 ug/l  
RT: 8.31 min Scan# 1103  
Delta R.T. -0.00 min  
Lab File: VW004354.D  
Acq: 30 Jul 2018 10:36

Tgt Ion: 65 Resp: 59907  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 106.4

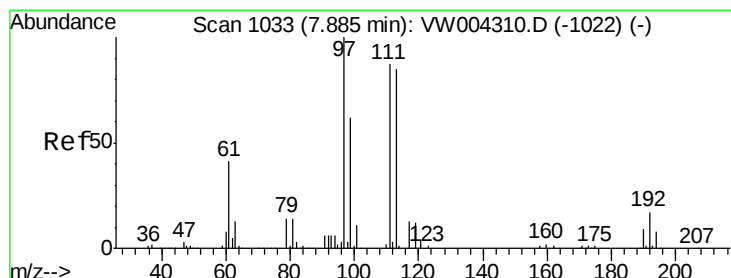
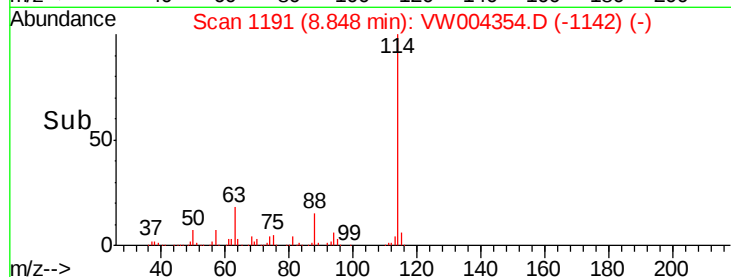
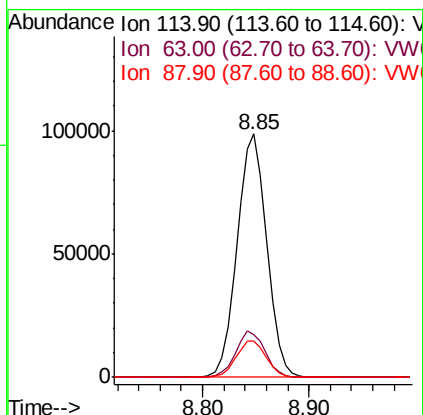
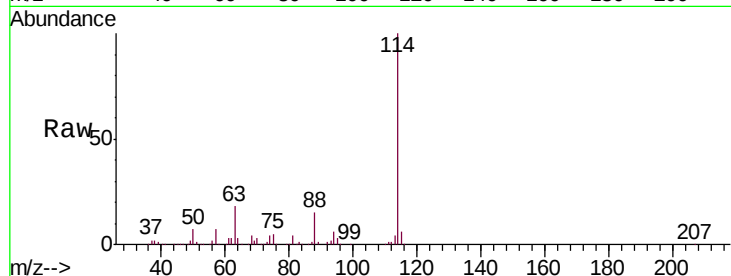




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. -0.00 min  
 Lab File: VW004354.D  
 Acq: 30 Jul 2018 10:36

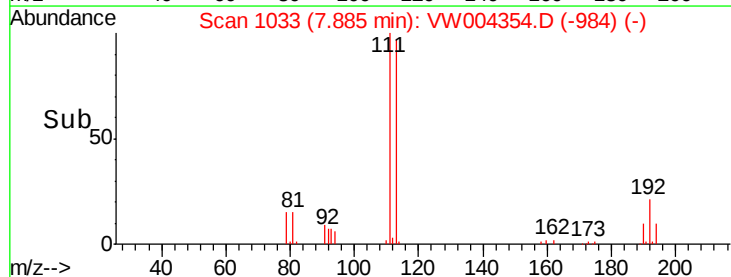
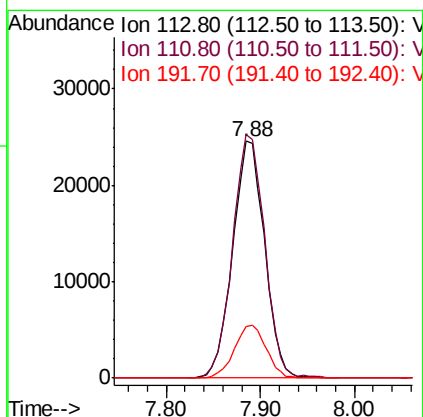
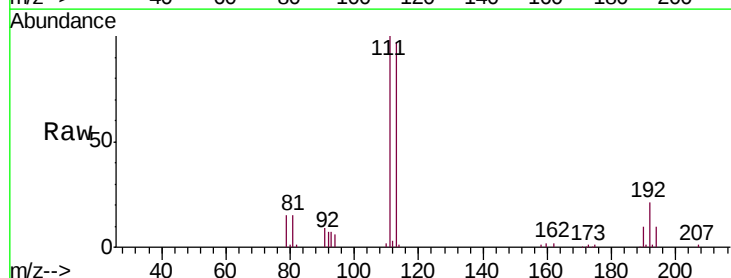
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 2018-NYSEG-CLARK-AREA-9RE

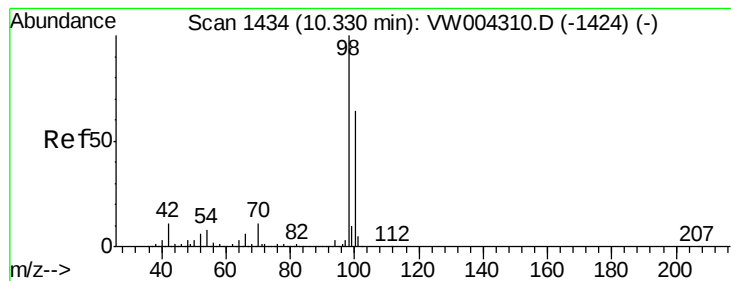
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.7  | 0.0   | 41.4  |
| 88      | 14.8  | 0.0   | 30.6  |



#35  
 Dibromofluoromethane  
 Concen: 47.54 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: VW004354.D  
 Acq: 30 Jul 2018 10:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 82.1  | 123.1 |
| 192     | 22.3  | 16.2  | 24.4  |





#50

Toluene-d8

Concen: 34.01 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004354.D

Acq: 30 Jul 2018 10:36

Instrument :

MSVOA\_W

ClientSampleId :

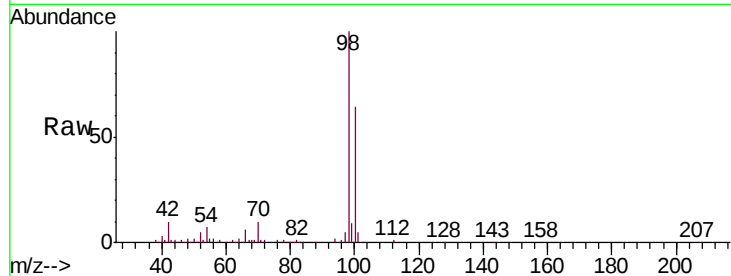
2018-NYSEG-CLARK-AREA-9RE

Tot Ion: 98 Resp: 163637

Ion Ratio Lower Upper

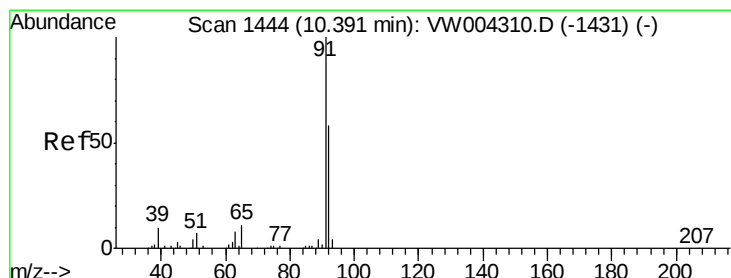
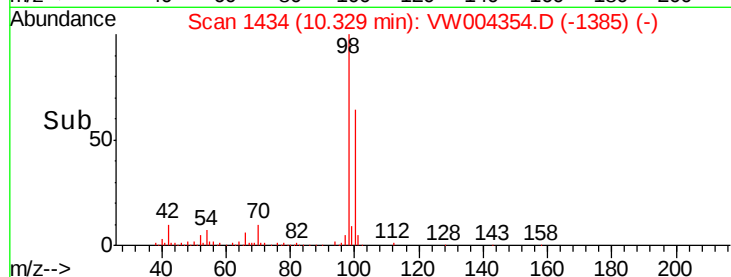
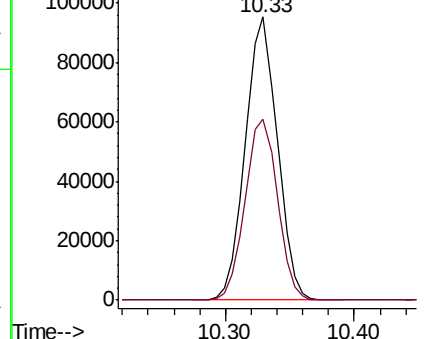
98 100

100 64.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.12 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004354.D

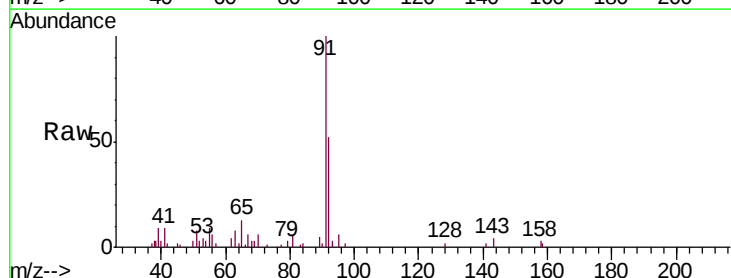
Acq: 30 Jul 2018 10:36

Tgt Ion: 92 Resp: 3815

Ion Ratio Lower Upper

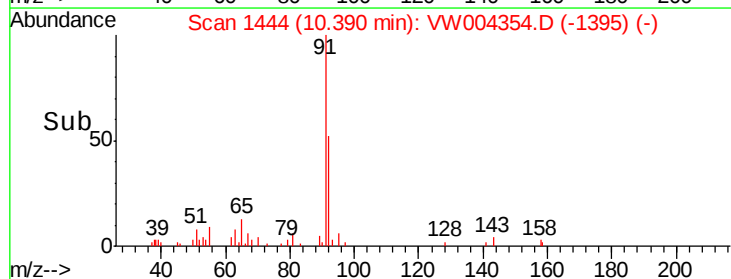
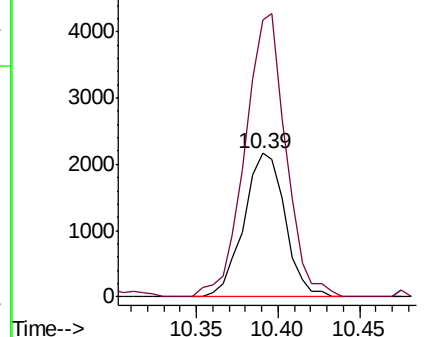
92 100

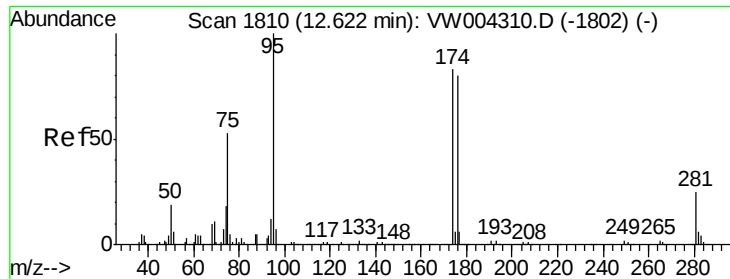
91 195.6 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

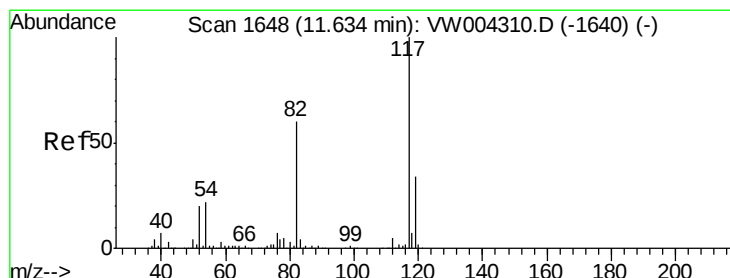
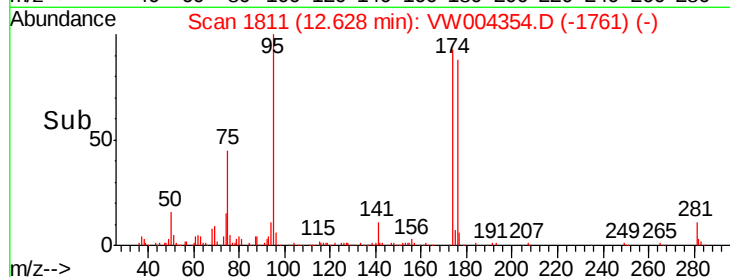
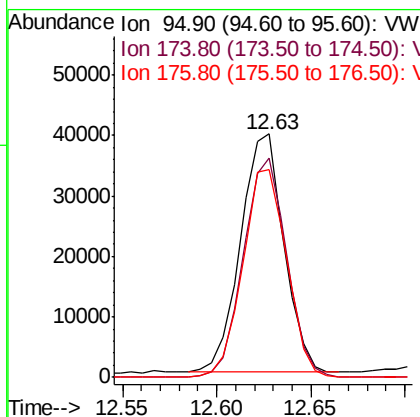
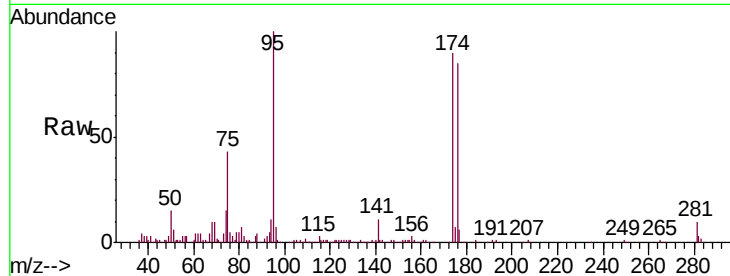




#62  
4-Bromofluorobenzene  
Concen: 36.93 ug/l  
RT: 12.63 min Scan# 1811  
Delta R.T. 0.01 min  
Lab File: VW004354.D  
Acq: 30 Jul 2018 10:36

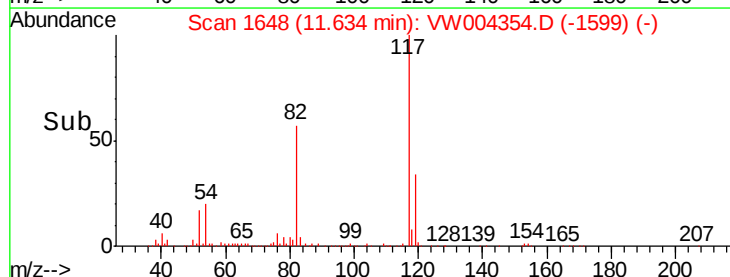
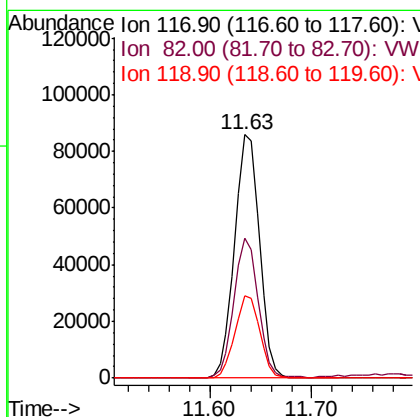
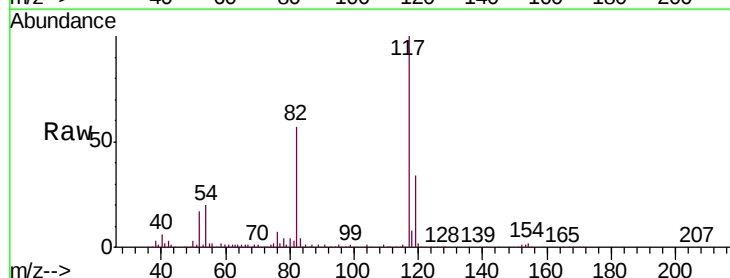
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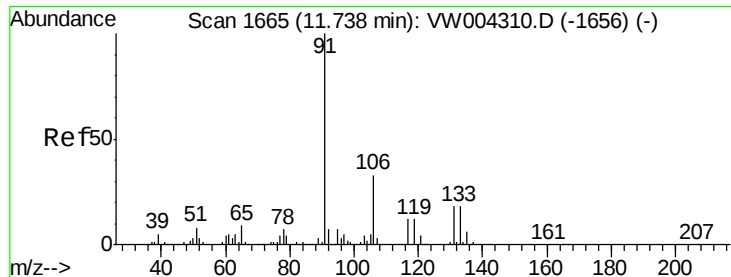
Tot Ion: 95 Resp: 62561  
Ion Ratio Lower Upper  
95 100  
174 92.1 0.0 167.8  
176 89.0 0.0 162.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW004354.D  
Acq: 30 Jul 2018 10:36

Tgt Ion: 117 Resp: 144817  
Ion Ratio Lower Upper  
117 100  
82 56.9 47.9 71.9  
119 33.6 27.1 40.7

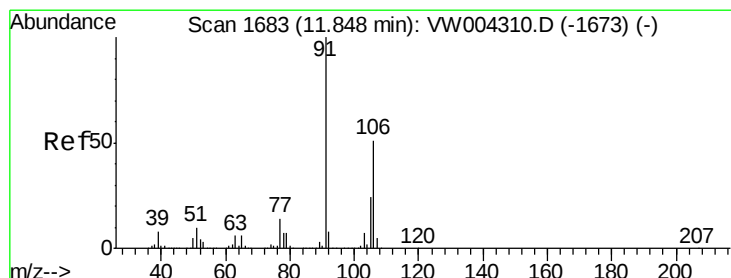
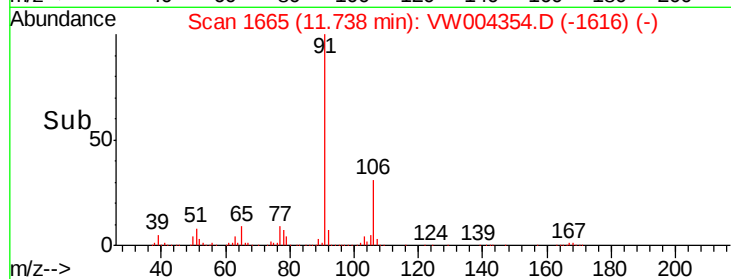
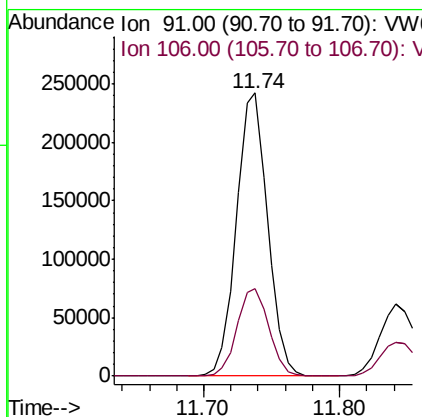
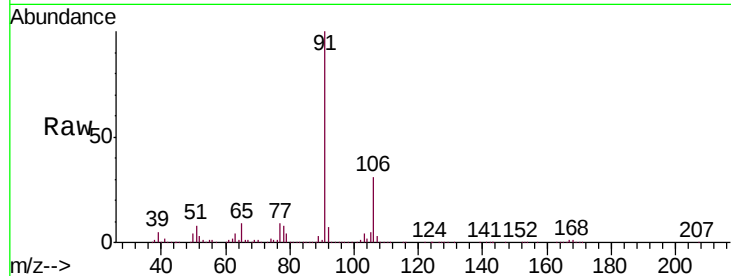




#67  
Ethyl Benzene  
Concen: 72.92 ug/l  
RT: 11.74 min Scan# 1665  
Delta R.T. -0.00 min  
Lab File: VW004354.D  
Acq: 30 Jul 2018 10:36

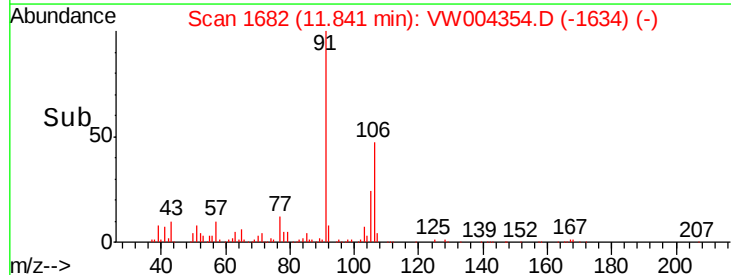
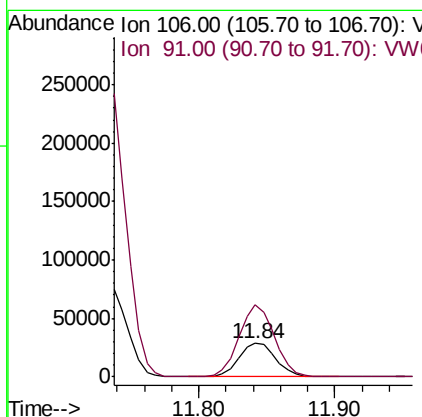
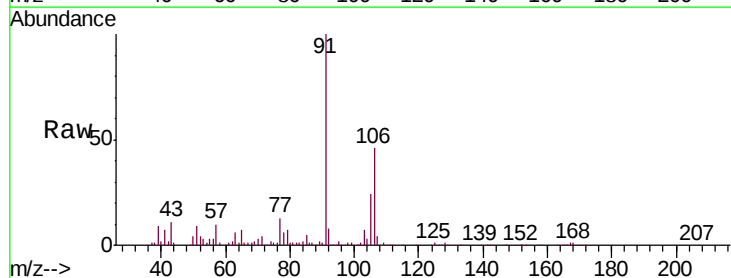
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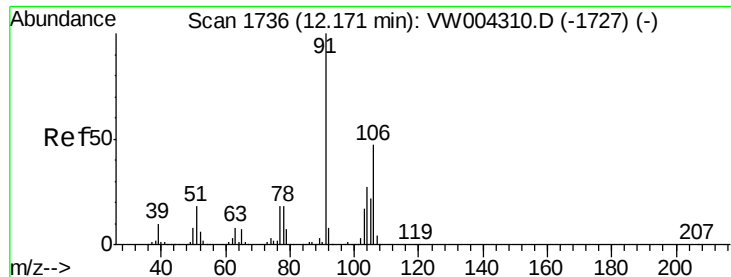
Tot Ion: 91 Resp: 386604  
Ion Ratio Lower Upper  
91 100  
106 30.8 26.1 39.1



#68  
m/p-Xylenes  
Concen: 26.91 ug/l  
RT: 11.84 min Scan# 1682  
Delta R.T. -0.01 min  
Lab File: VW004354.D  
Acq: 30 Jul 2018 10:36

Tgt Ion: 106 Resp: 54904  
Ion Ratio Lower Upper  
106 100  
91 202.4 162.2 243.2

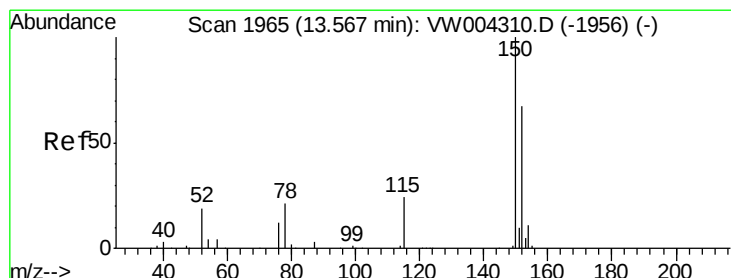
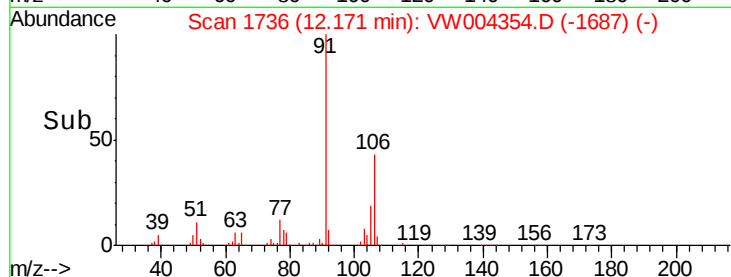
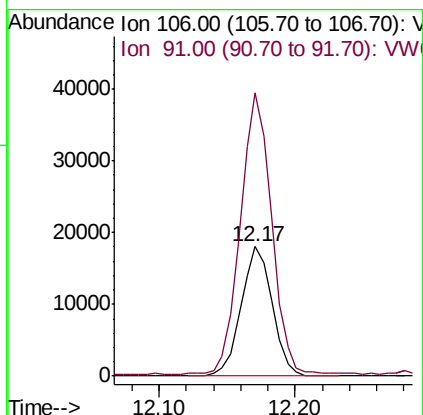
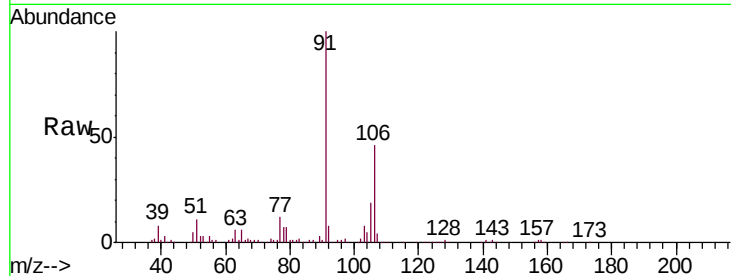




#69  
o-Xylene  
Concen: 15.35 ug/l  
RT: 12.17 min Scan# 1736  
Delta R.T. -0.00 min  
Lab File: VW004354.D  
Acq: 30 Jul 2018 10:36

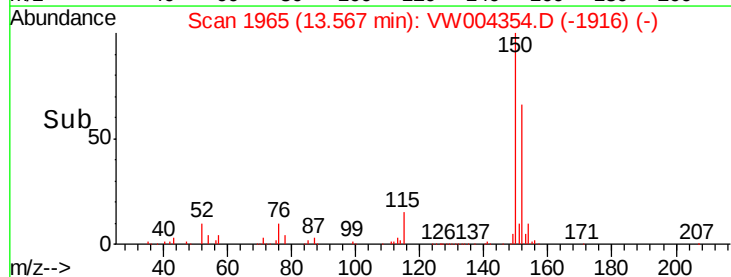
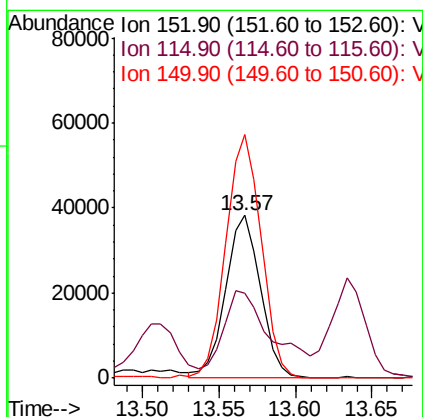
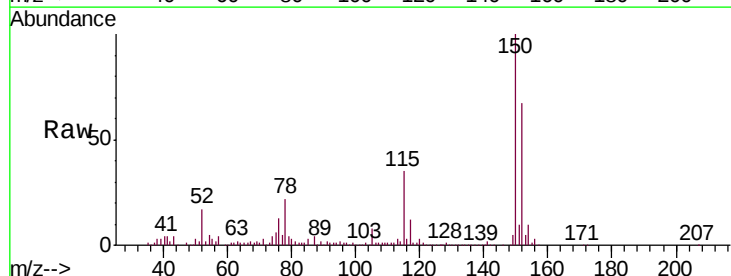
Instrument :  
MSVOA\_W  
ClientSampleId :  
2018-NYSEG-CLARK-AREA-9RE

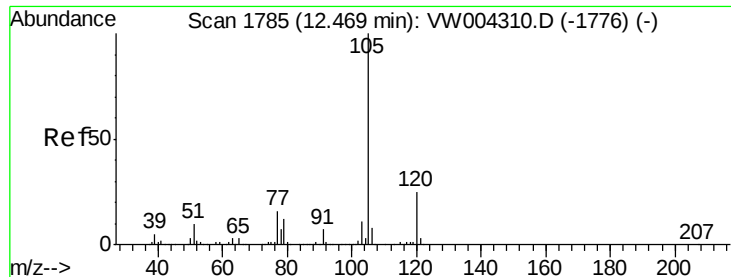
Tot Ion:106 Resp: 28937  
Ion Ratio Lower Upper  
106 100  
91 217.4 108.7 326.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. -0.00 min  
Lab File: VW004354.D  
Acq: 30 Jul 2018 10:36

Tgt Ion:152 Resp: 59854  
Ion Ratio Lower Upper  
152 100  
115 61.8 28.8 86.4  
150 152.0 0.0 346.4





#73

Isopropylbenzene

Concen: 74.97 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004354.D

Acq: 30 Jul 2018 10:36

Instrument :

MSVOA\_W

ClientSampleId :

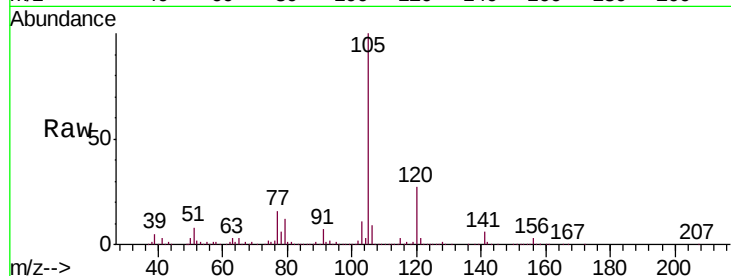
2018-NYSEG-CLARK-AREA-9RE

Tot Ion:105 Resp: 311161

Ion Ratio Lower Upper

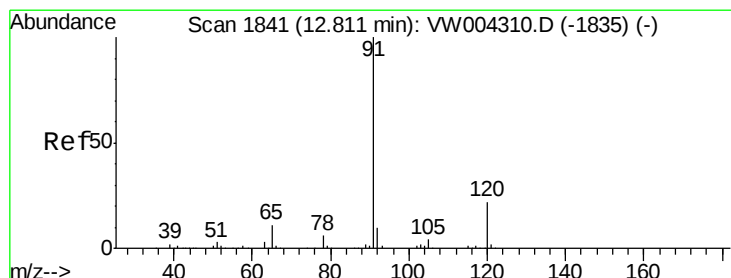
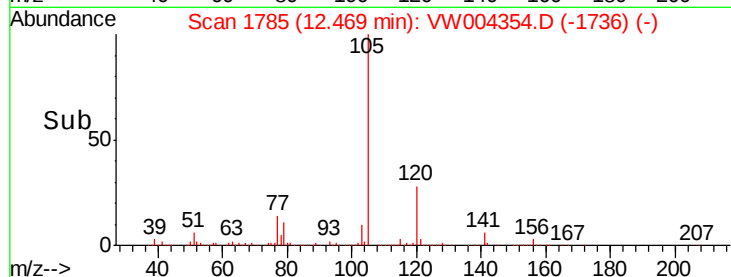
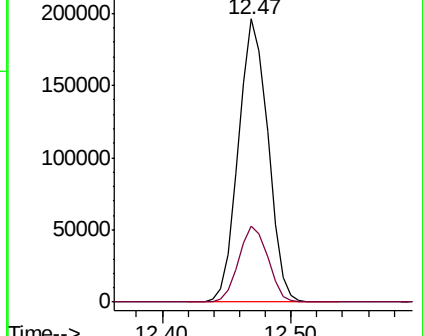
105 100

120 26.9 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 34.18 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004354.D

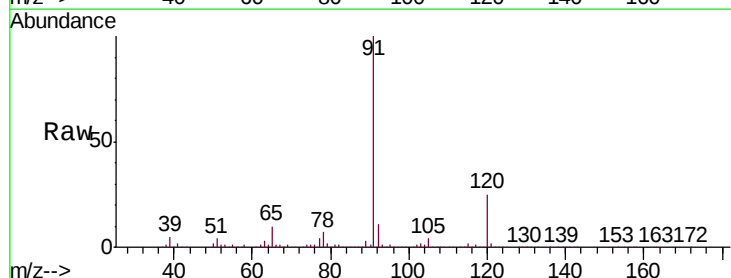
Acq: 30 Jul 2018 10:36

Tgt Ion: 91 Resp: 172808

Ion Ratio Lower Upper

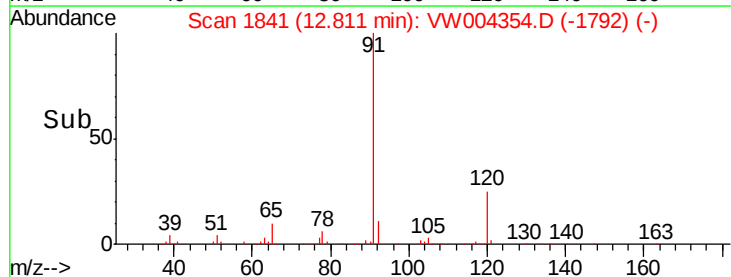
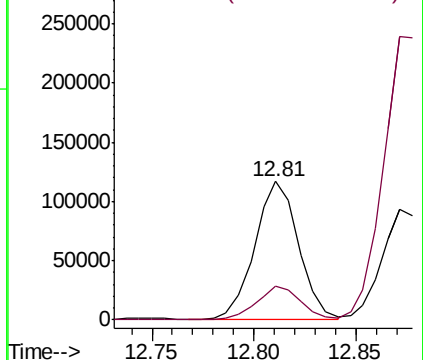
91 100

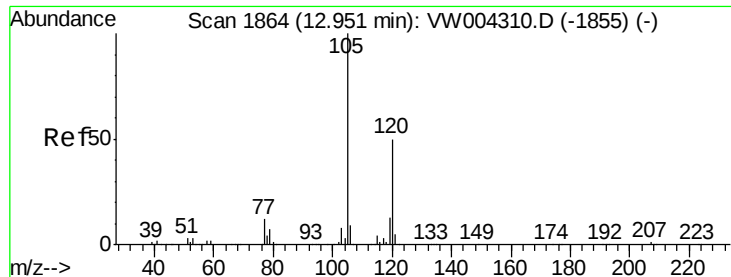
120 24.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

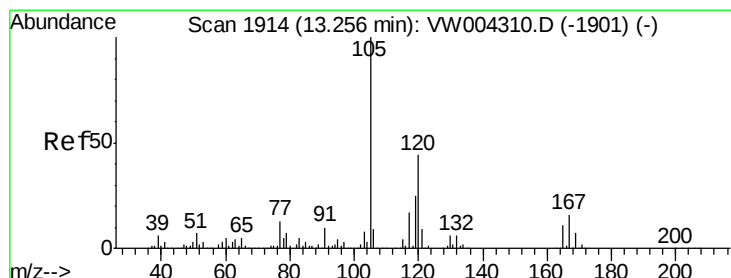
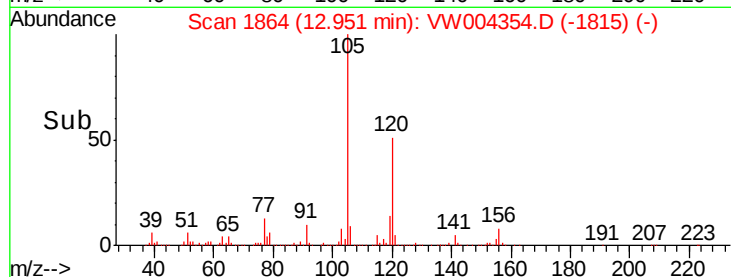
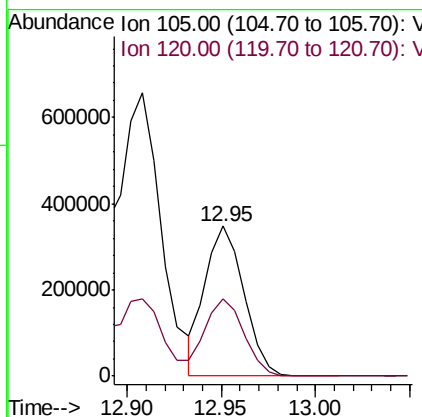
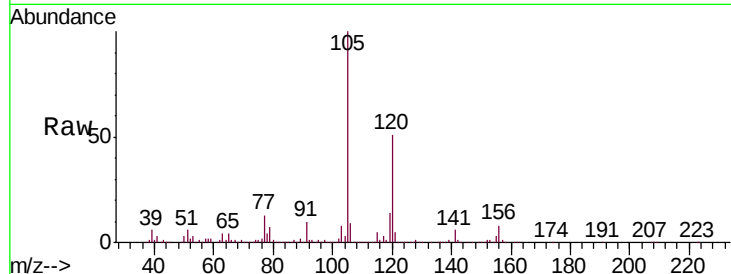




#80  
 1,3,5-Trimethylbenzene  
 Concen: 139.11 ug/l  
 RT: 12.95 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VW004354.D  
 Acq: 30 Jul 2018 10:36

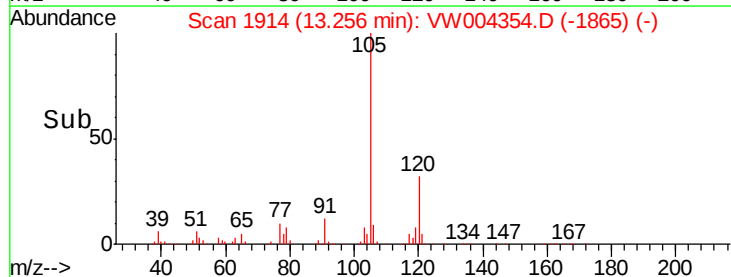
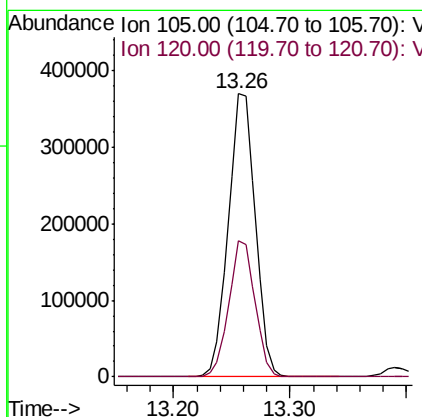
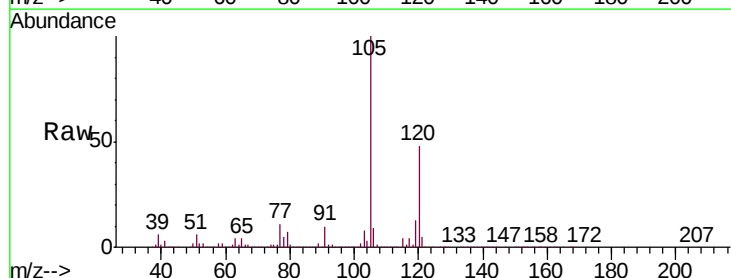
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 2018-NYSEG-CLARK-AREA-9RE

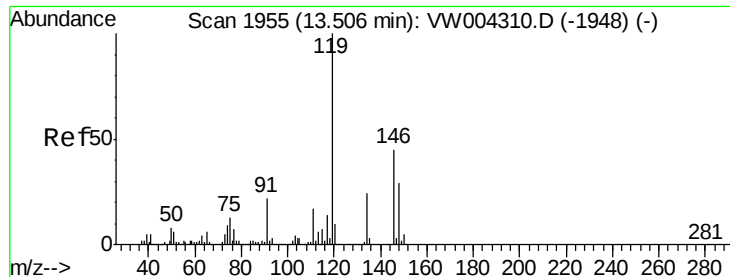
Tot Ion:105 Resp: 497365  
 Ion Ratio Lower Upper  
 105 100  
 120 51.3 25.1 75.2



#84  
 1,2,4-Trimethylbenzene  
 Concen: 163.36 ug/l  
 RT: 13.26 min Scan# 1914  
 Delta R.T. -0.00 min  
 Lab File: VW004354.D  
 Acq: 30 Jul 2018 10:36

Tgt Ion:105 Resp: 595678  
 Ion Ratio Lower Upper  
 105 100  
 120 46.6 22.7 68.0

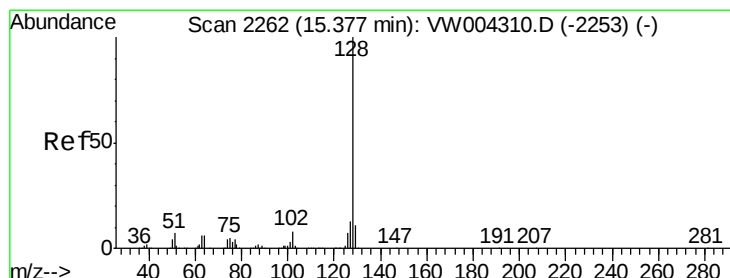
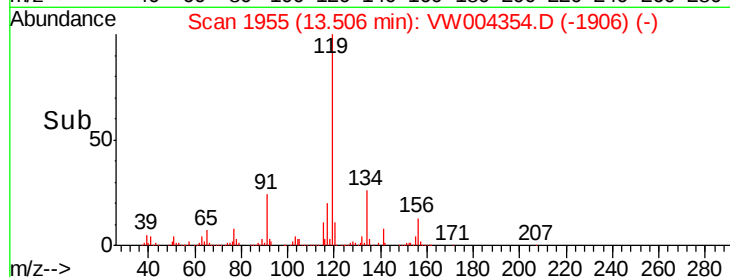
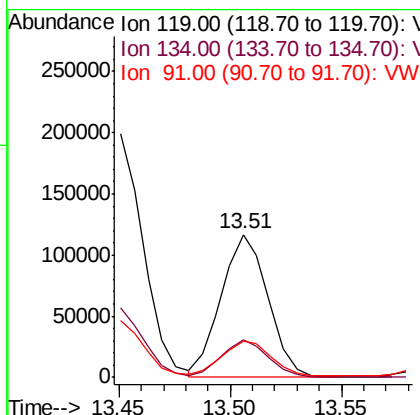
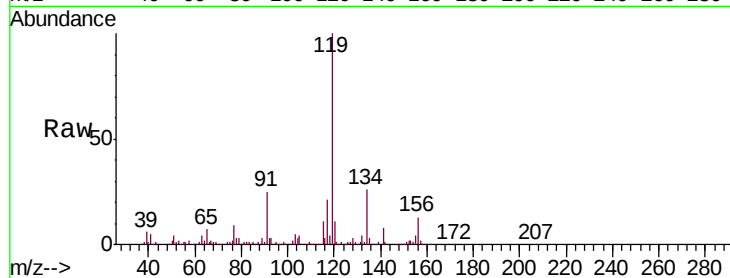




#86  
 p-Isopropyltoluene  
 Concen: 43.55 ug/l  
 RT: 13.51 min Scan# 1955  
 Delta R.T. -0.00 min  
 Lab File: VW004354.D  
 Acq: 30 Jul 2018 10:36

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 2018-NYSEG-CLARK-AREA-9RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.3  | 12.6  | 37.8  |
| 91      | 25.9  | 11.3  | 33.9  |



#95  
 Naphthalene  
 Concen: 792.75 ug/l  
 RT: 15.38 min Scan# 2262  
 Delta R.T. -0.00 min  
 Lab File: VW004354.D  
 Acq: 30 Jul 2018 10:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.4  | 15.6  |
| 129     | 12.4  | 8.6   | 13.0  |

