

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\  
 Data File : VW013945.D  
 Acq On : 08 Nov 2019 15:28  
 Operator : SY/VA  
 Sample : K5742-06  
 Misc : 8.26G/5ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-30-(6-8)

Quant Time: Nov 09 04:02:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W102319S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 23 14:11:46 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 298384   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 450566   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 362863   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 140507   | 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   | 122005   | 54.51 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.02% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 125234   | 50.02 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.04% |          |
| 50) Toluene-d8              | 10.32 | 98   | 518103   | 50.79 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.58% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 152287   | 44.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 88.18%  |          |

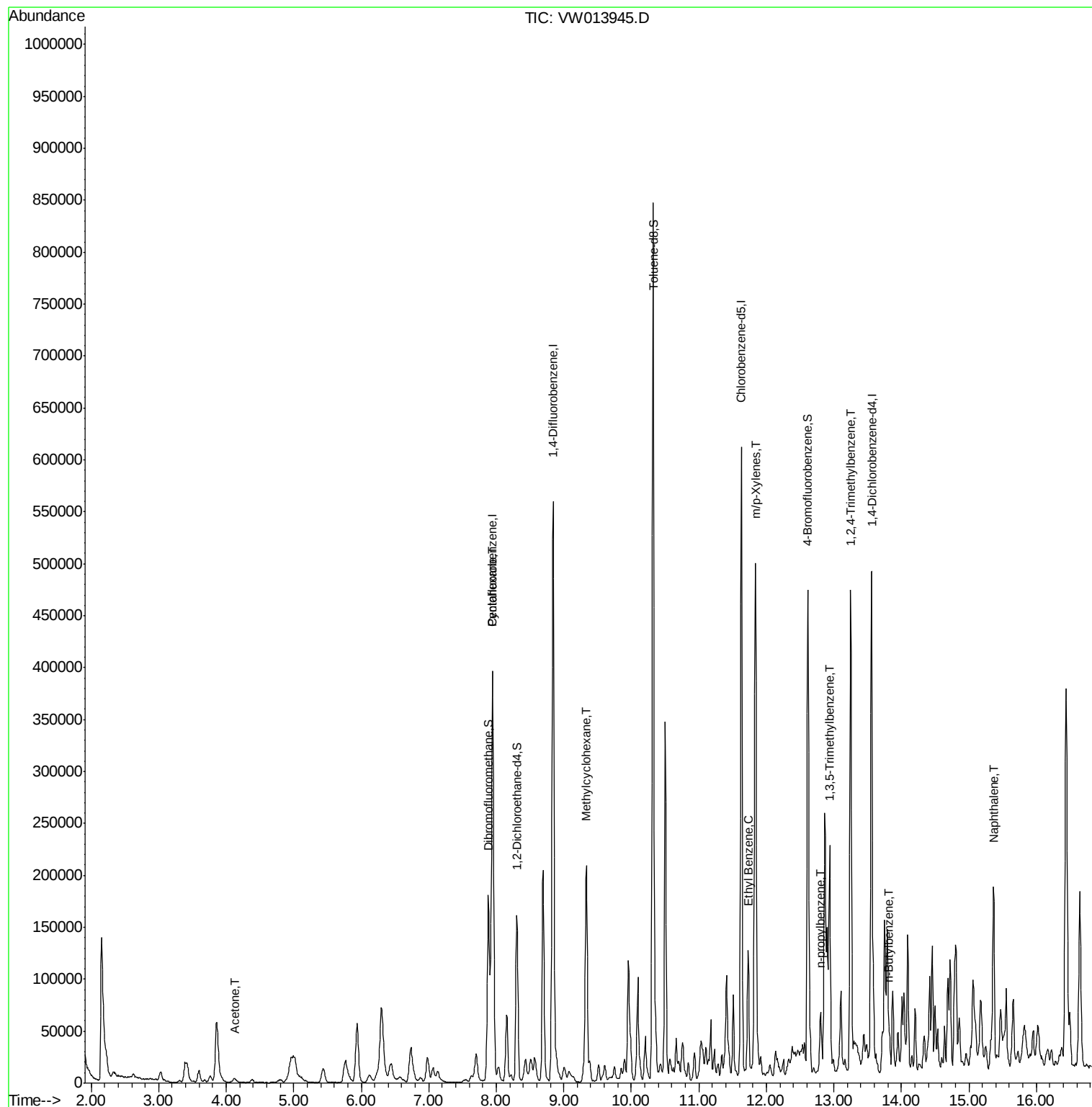
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 16) Acetone                | 4.12  | 43   | 7146     | 15.057 | ug/l   | 98     |
| 31) Cyclohexane            | 7.95  | 56   | 30324    | 6.096  | ug/l # | 74     |
| 39) Methylcyclohexane      | 9.34  | 83   | 87036    | 16.061 | ug/l   | 98     |
| 67) Ethyl Benzene          | 11.73 | 91   | 79564    | 5.918  | ug/l   | 95     |
| 68) m/p-Xylenes            | 11.83 | 106  | 106919   | 20.582 | ug/l   | 98     |
| 78) n-propylbenzene        | 12.80 | 91   | 42937    | 3.676  | ug/l   | 99     |
| 80) 1,3,5-Trimethylbenzene | 12.94 | 105  | 76214    | 8.948  | ug/l   | 98     |
| 84) 1,2,4-Trimethylbenzene | 13.25 | 105  | 258814   | 30.802 | ug/l   | 100    |
| 89) n-Butylbenzene         | 13.82 | 91   | 17128    | 1.970  | ug/l # | 72     |
| 95) Naphthalene            | 15.36 | 128  | 150652   | 32.605 | ug/l   | 99     |

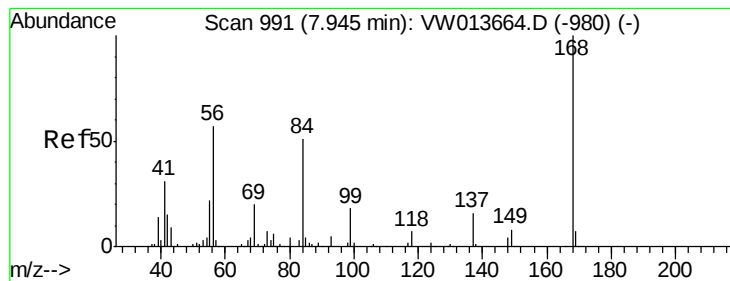
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110819\  
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SB-30-(6-8)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W102319S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 23 14:11:46 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013945.D

Acq: 08 Nov 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

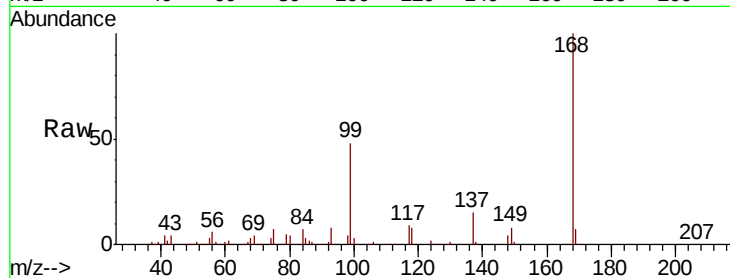
SB-30-(6-8)

Tot Ion:168 Resp: 298384

Ion Ratio Lower Upper

168 100

99 48.1 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

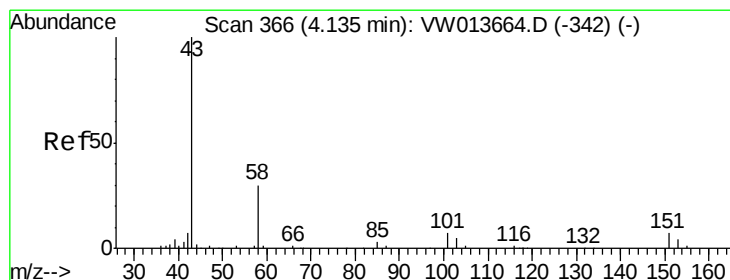
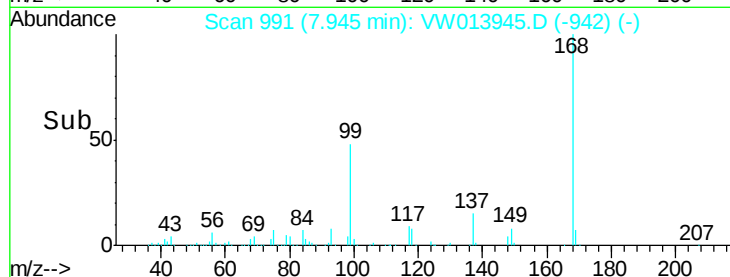
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 15.057 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013945.D

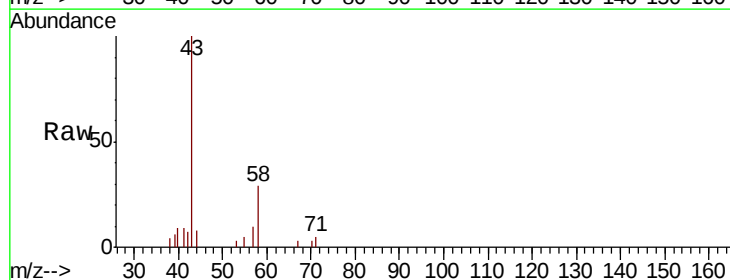
Acq: 08 Nov 2019 15:28

Tgt Ion: 43 Resp: 7146

Ion Ratio Lower Upper

43 100

58 29.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

2500

2000

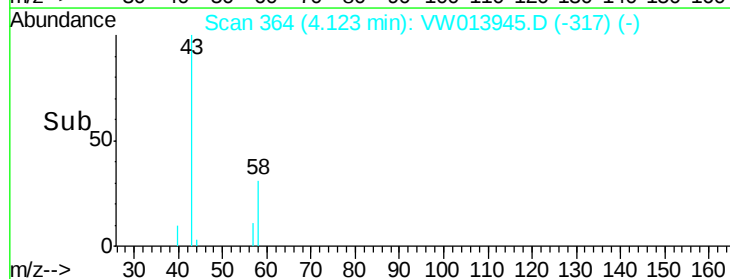
1500

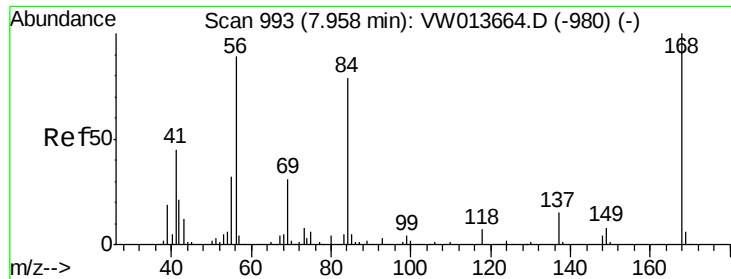
1000

500

0

Time-->

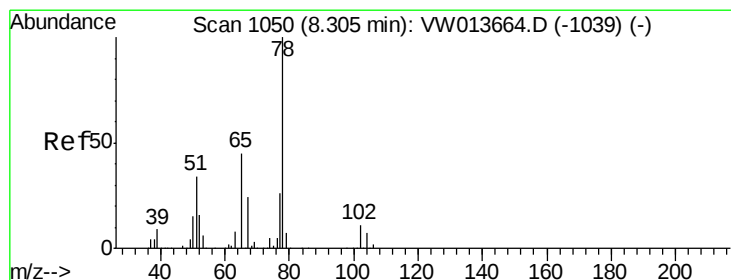
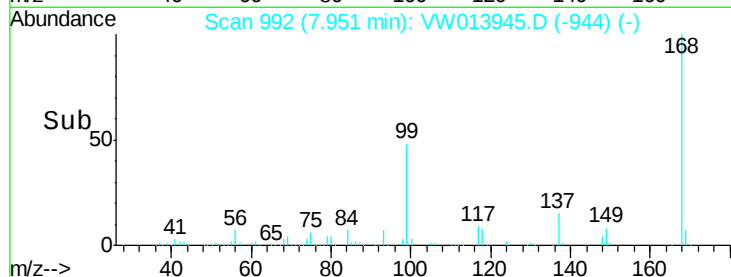
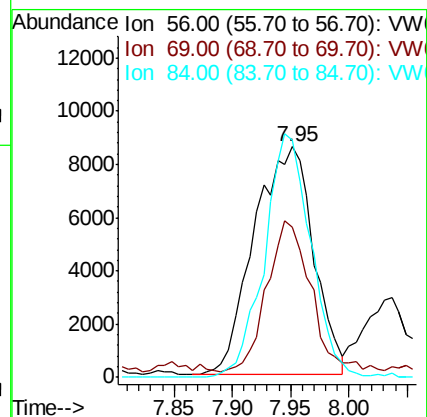
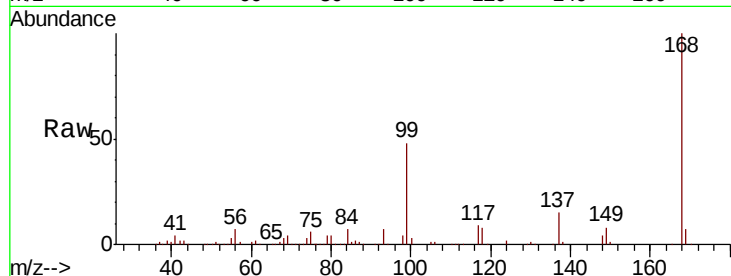




#31  
Cyclohexane  
Concen: 6.096 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: VW013945.D  
Acq: 08 Nov 2019 15:28

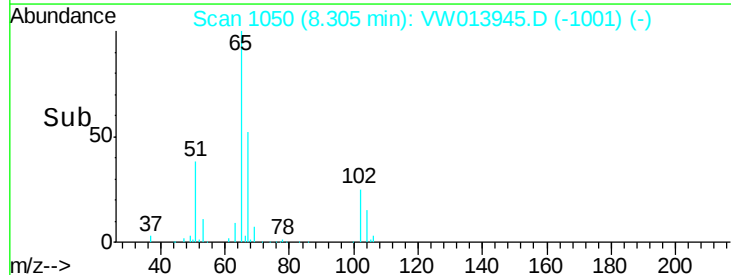
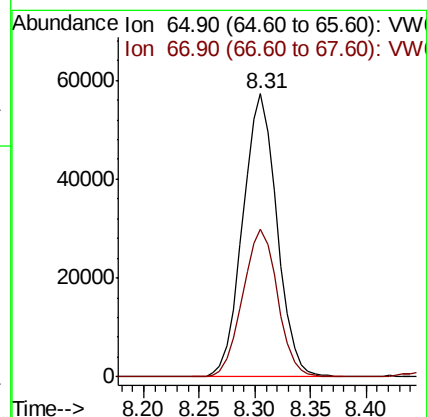
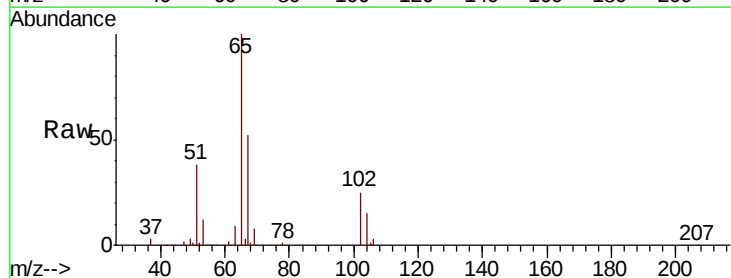
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-30-(6-8)

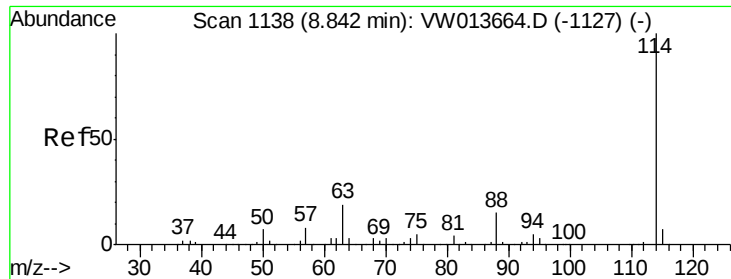
Tot Ion: 56 Resp: 30324  
Ion Ratio Lower Upper  
56 100  
69 62.9 27.5 41.3#  
84 103.9 70.8 106.2



#33  
1,2-Dichloroethane-d4  
Concen: 54.506 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VW013945.D  
Acq: 08 Nov 2019 15:28

Tgt Ion: 65 Resp: 122005  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 109.4

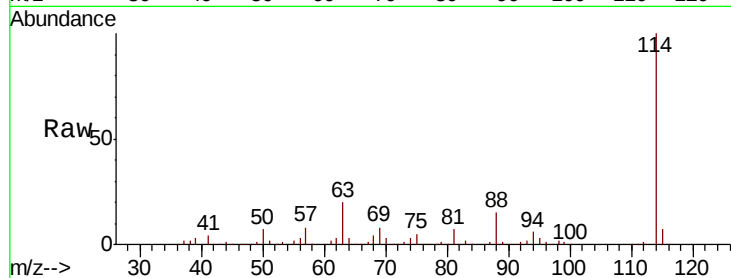




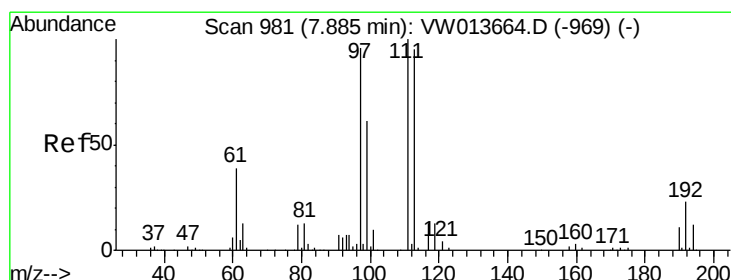
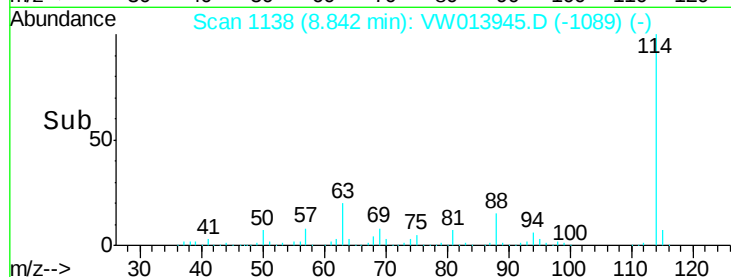
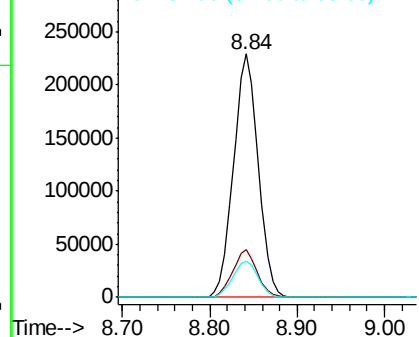
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: VW013945.D  
Acq: 08 Nov 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-30-(6-8)

Tot Ion:114 Resp: 450566  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 37.6  
88 15.0 0.0 30.2

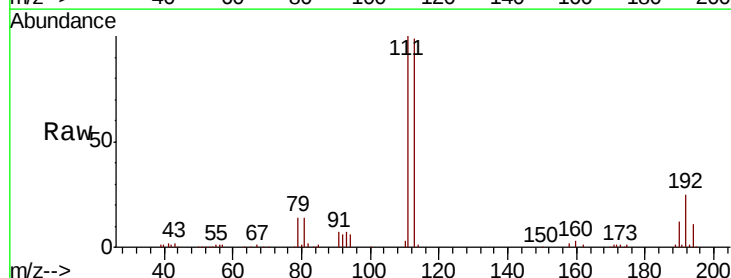


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

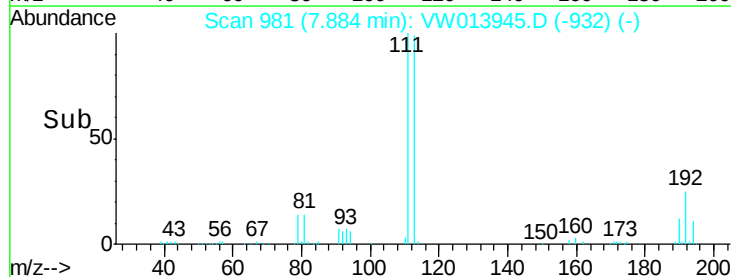
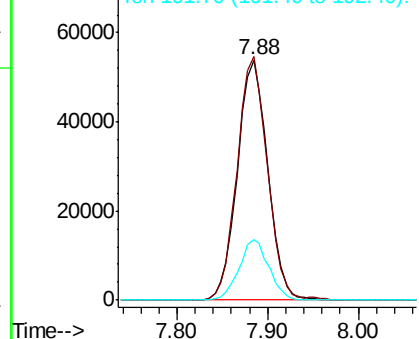


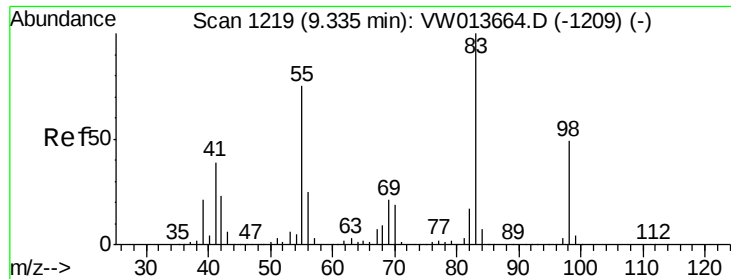
#35  
Dibromofluoromethane  
Concen: 50.022 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: VW013945.D  
Acq: 08 Nov 2019 15:28

Tgt Ion:113 Resp: 125234  
Ion Ratio Lower Upper  
113 100  
111 101.0 83.0 124.6  
192 24.8 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

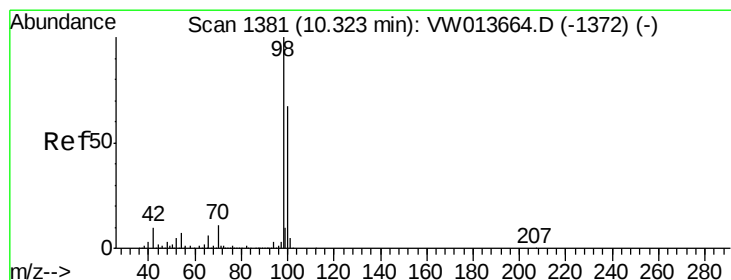
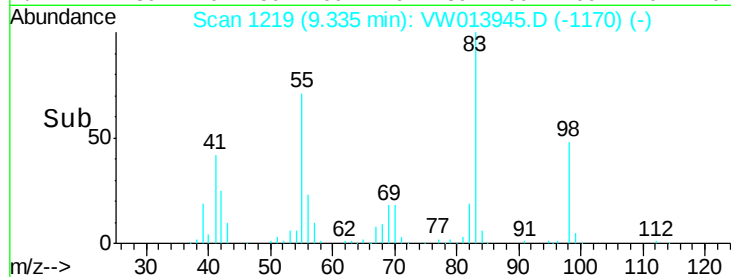
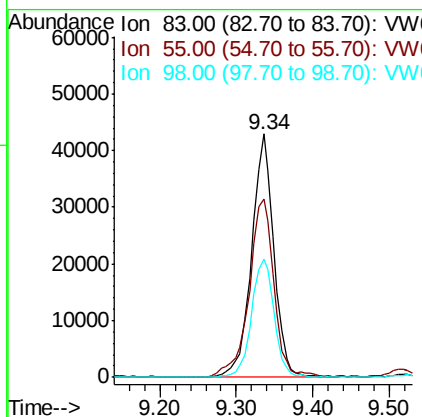
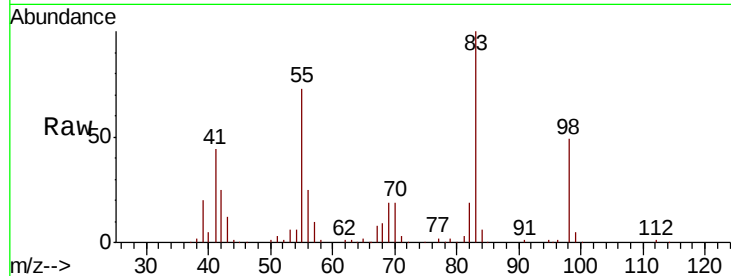




#39  
Methvlcvclohexane  
Concen: 16.061 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW013945.D  
Acq: 08 Nov 2019 15:28

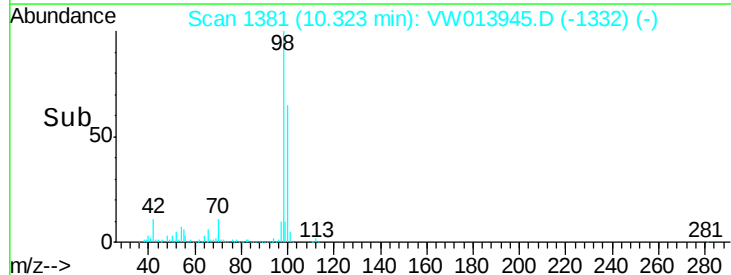
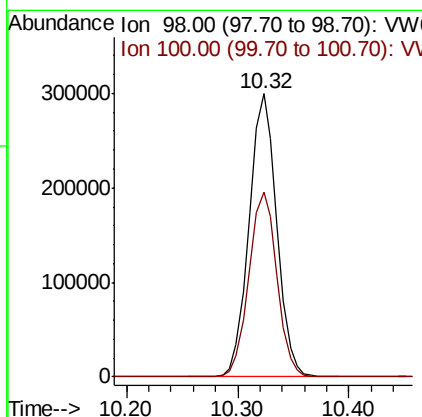
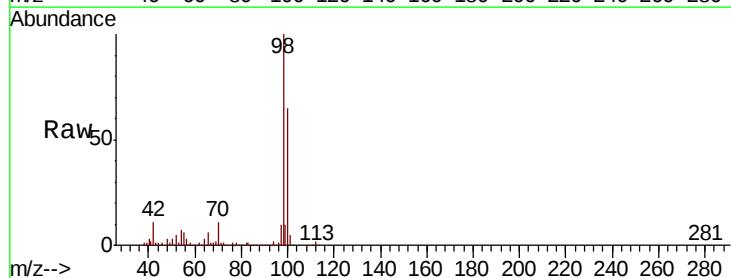
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-30-(6-8)

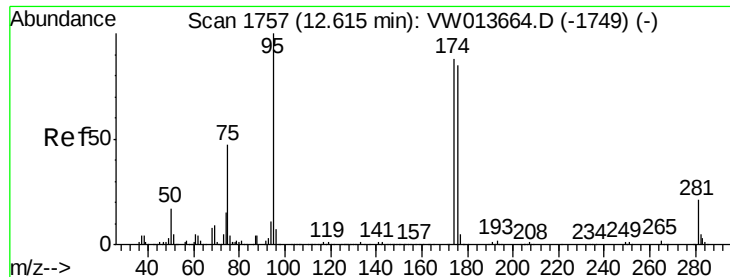
Tot Ion: 83 Resp: 87036  
Ion Ratio Lower Upper  
83 100  
55 72.6 59.9 89.9  
98 48.7 39.4 59.2



#50  
Toluene-d8  
Concen: 50.787 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW013945.D  
Acq: 08 Nov 2019 15:28

Tgt Ion: 98 Resp: 518103  
Ion Ratio Lower Upper  
98 100  
100 65.9 53.4 80.0

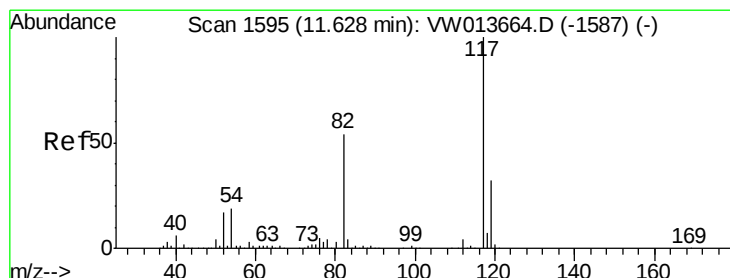
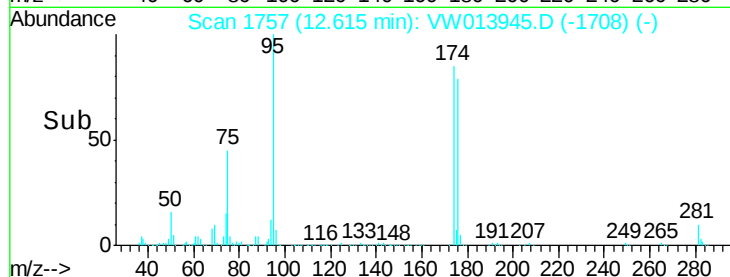
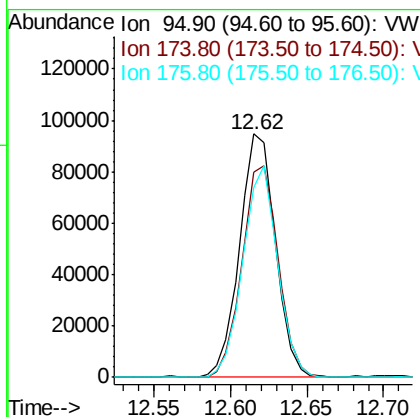
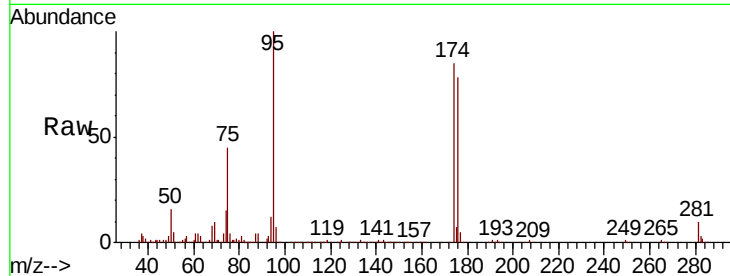




#62  
4-Bromofluorobenzene  
Concen: 44.087 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VW013945.D  
Acq: 08 Nov 2019 15:28

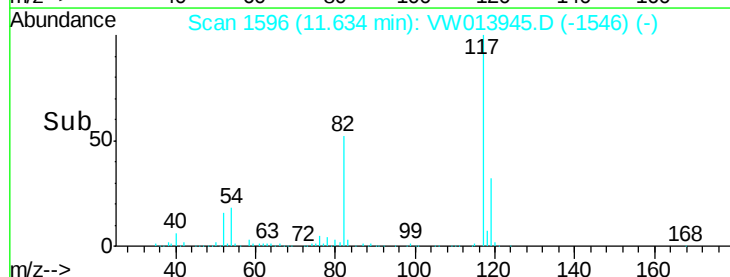
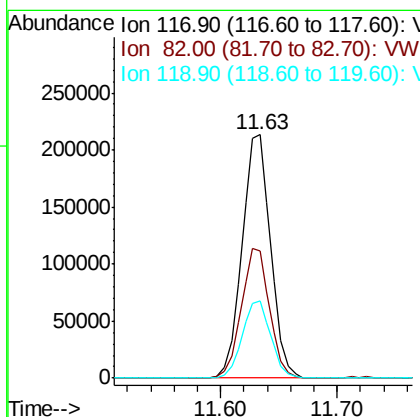
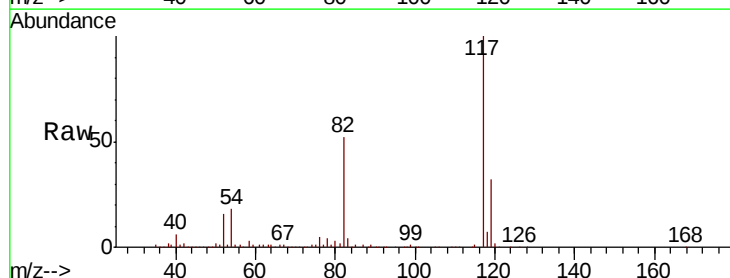
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-30-(6-8)

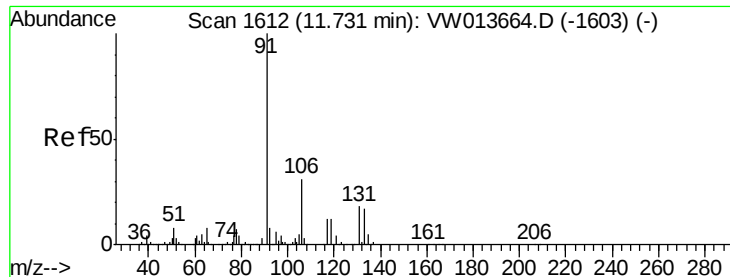
| Tot Ion   | 95    | Resp  | 152287 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 89.5  | 0.0   | 183.6  |
| 176       | 85.6  | 0.0   | 178.0  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VW013945.D  
Acq: 08 Nov 2019 15:28

| Tgt Ion   | 117   | Resp  | 362863 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 52.2  | 43.6  | 65.4   |
| 119       | 31.6  | 25.4  | 38.2   |





#67

Ethyl Benzene

Concen: 5.918 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013945.D

Acq: 08 Nov 2019 15:28

Instrument :

MSVOA\_W

ClientSampleId :

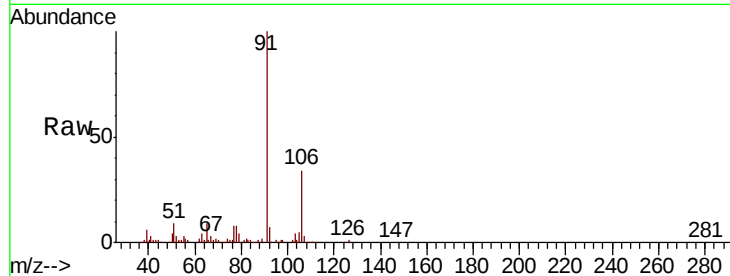
SB-30-(6-8)

Tot Ion: 91 Resp: 79564

Ion Ratio Lower Upper

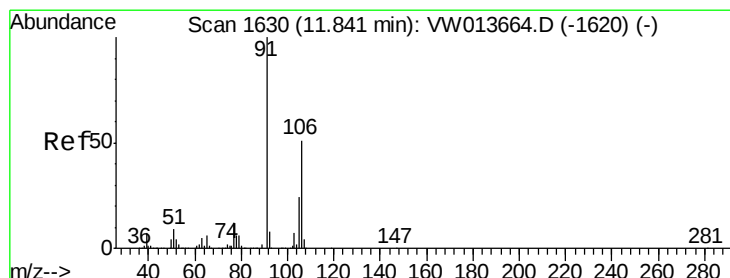
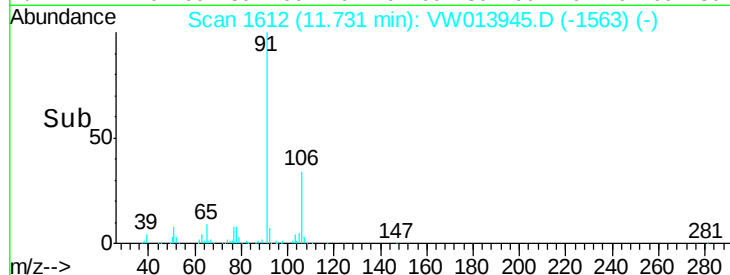
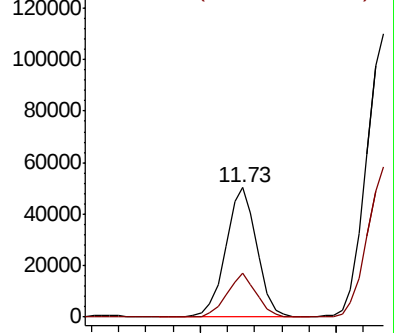
91 100

106 33.9 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 20.582 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013945.D

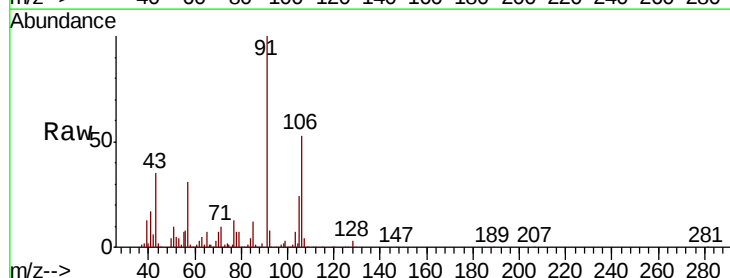
Acq: 08 Nov 2019 15:28

Tgt Ion:106 Resp: 106919

Ion Ratio Lower Upper

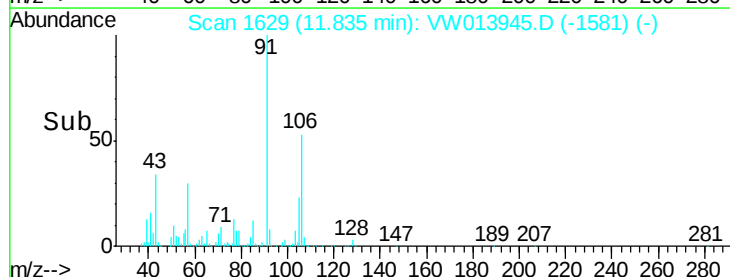
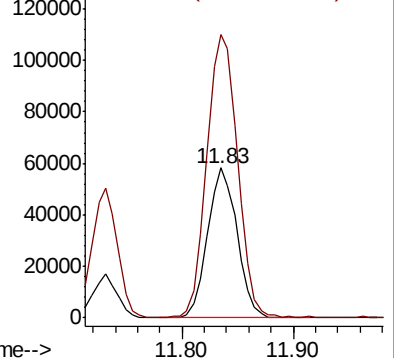
106 100

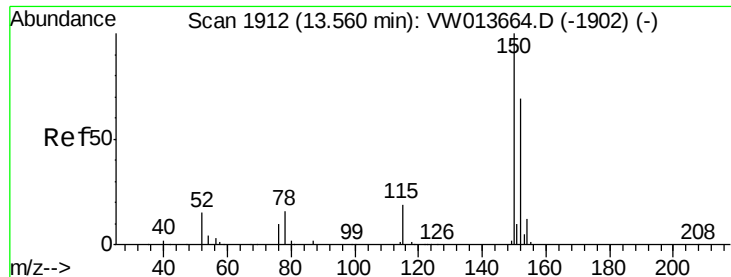
91 195.4 159.2 238.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



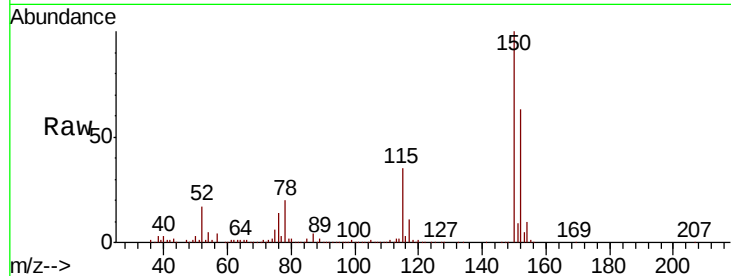


#72

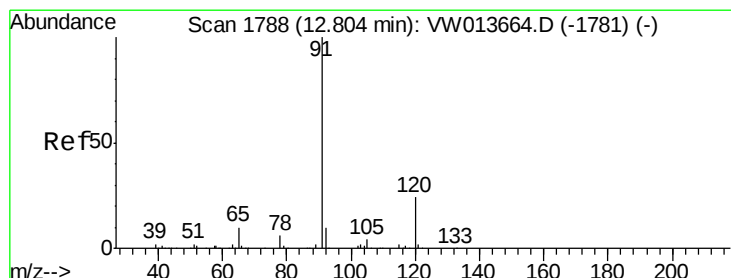
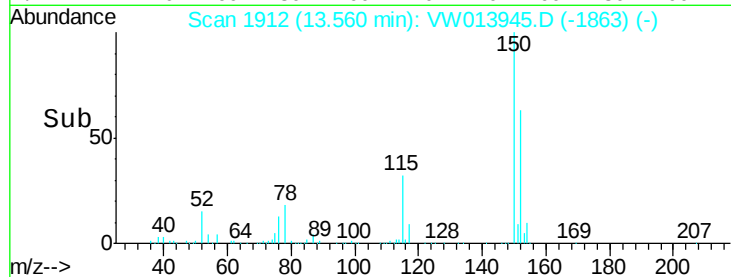
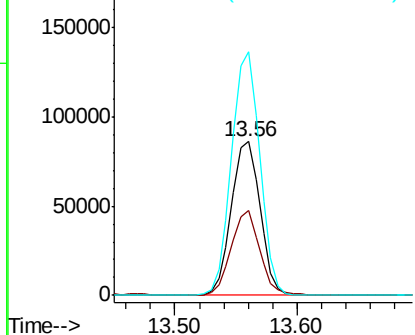
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW013945.D  
Acq: 08 Nov 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampled :  
SB-30-(6-8)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.3  | 27.4  | 82.2  |
| 150     | 155.5 | 0.0   | 345.4 |



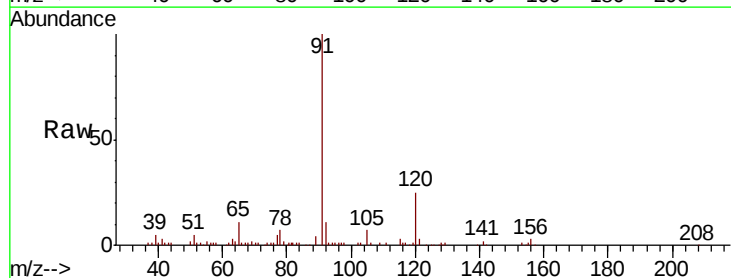
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



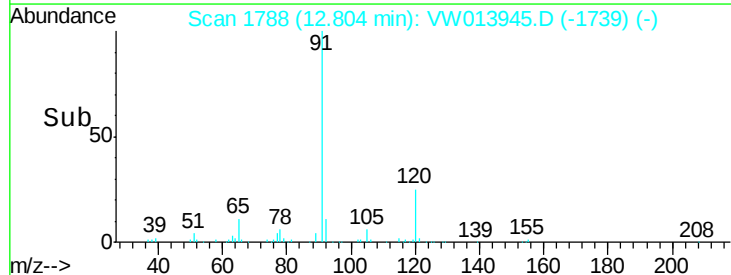
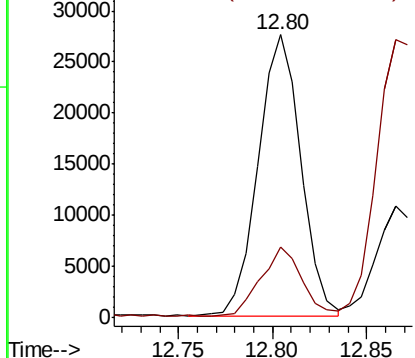
#78

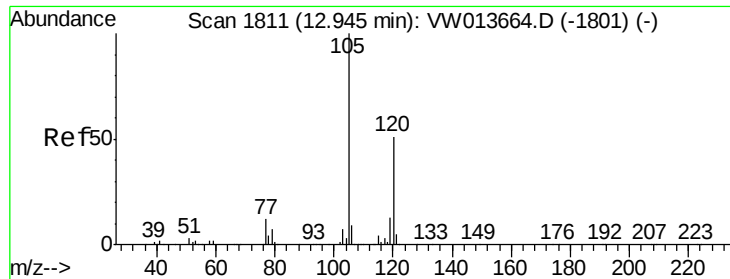
n-propylbenzene  
Concen: 3.676 ug/l  
RT: 12.80 min Scan# 1788  
Delta R.T. -0.00 min  
Lab File: VW013945.D  
Acq: 08 Nov 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 24.3  | 12.0  | 36.0  |



Abundance Ion 91.00 (90.70 to 91.70): VW  
Ion 120.00 (119.70 to 120.70): V

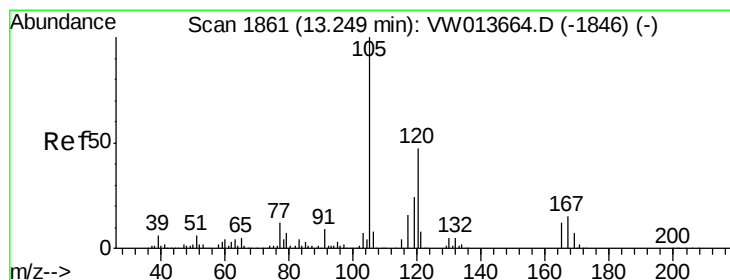
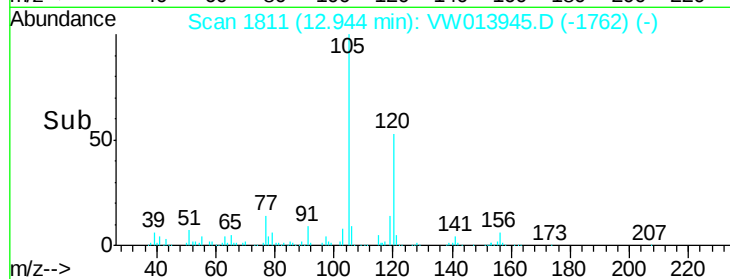
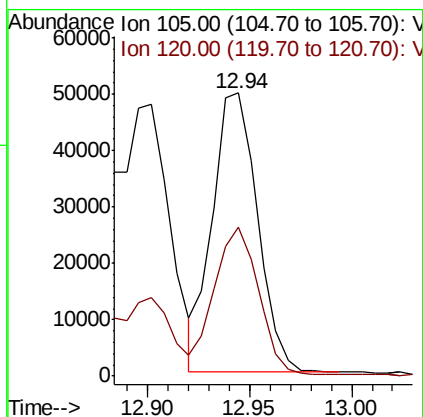
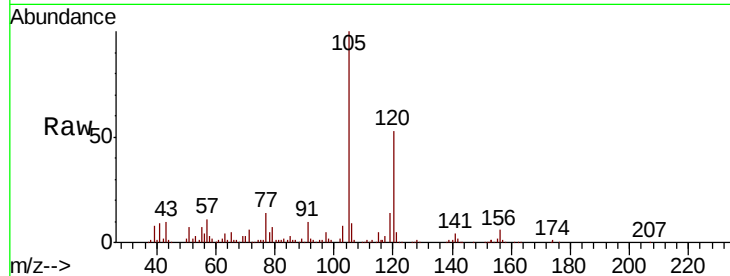




#80  
 1,3,5-Trimethylbenzene  
 Concen: 8.948 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. -0.00 min  
 Lab File: VW013945.D  
 Acq: 08 Nov 2019 15:28

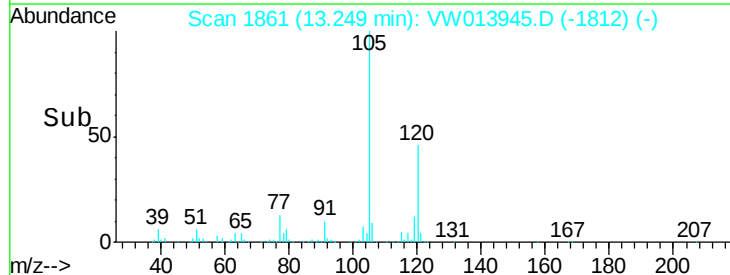
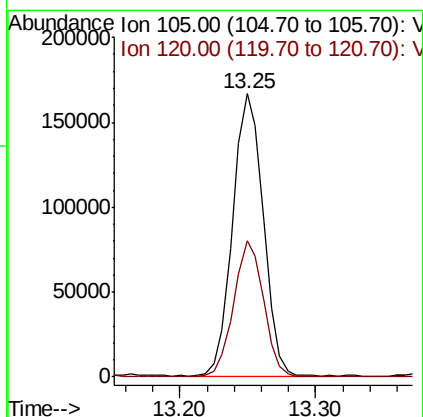
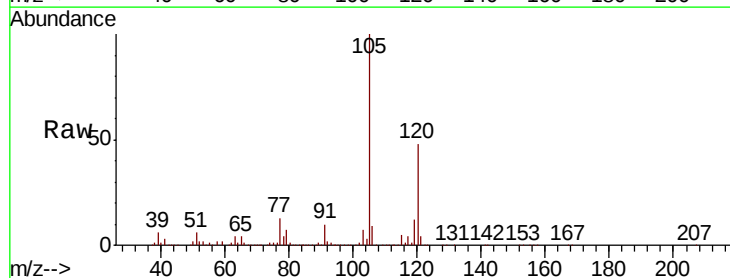
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-30-(6-8)

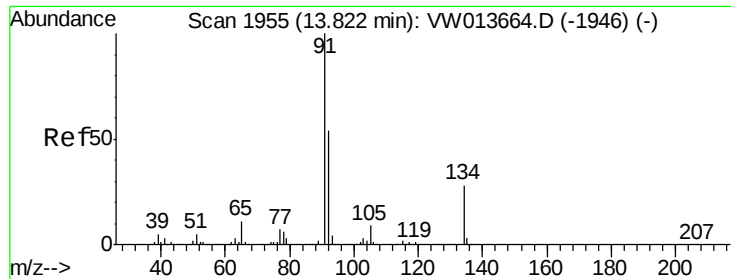
Tot Ion:105 Resp: 76214  
 Ion Ratio Lower Upper  
 105 100  
 120 51.6 25.1 75.3



#84  
 1,2,4-Trimethylbenzene  
 Concen: 30.802 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. -0.00 min  
 Lab File: VW013945.D  
 Acq: 08 Nov 2019 15:28

Tgt Ion:105 Resp: 258814  
 Ion Ratio Lower Upper  
 105 100  
 120 46.9 23.5 70.5

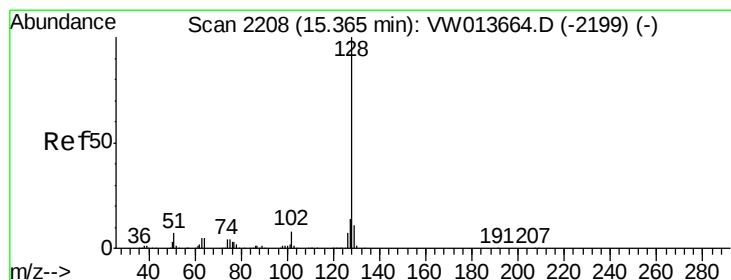
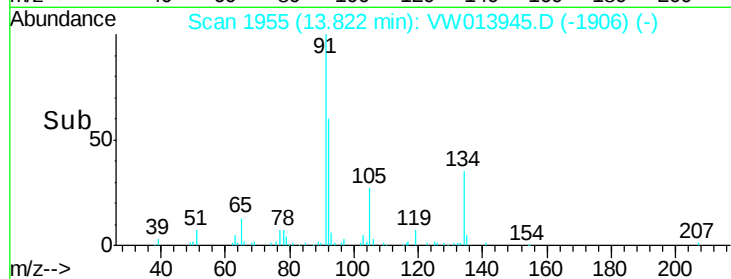
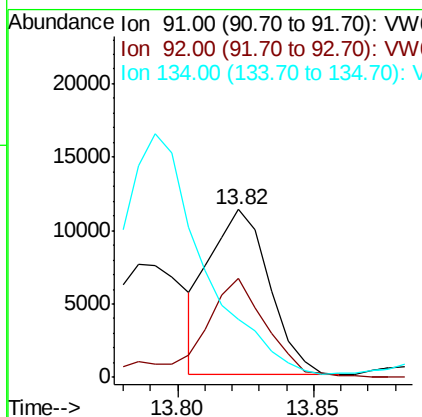
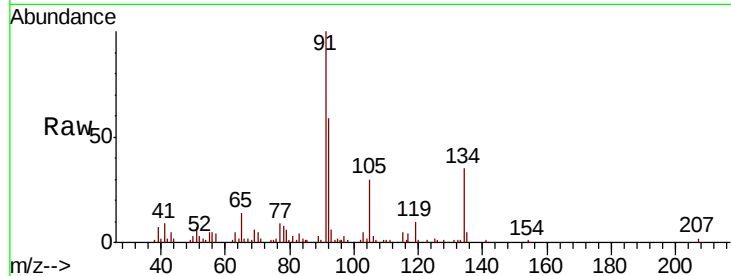




#89  
n-Butylbenzene  
Concen: 1.970 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW013945.D  
Acq: 08 Nov 2019 15:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-30-(6-8)

Tot Ion: 91 Resp: 17128  
Ion Ratio Lower Upper  
91 100  
92 66.1 27.5 82.4  
134 0.0 14.0 41.9#



#95  
Naphthalene  
Concen: 32.605 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. -0.00 min  
Lab File: VW013945.D  
Acq: 08 Nov 2019 15:28

Tgt Ion: 128 Resp: 150652  
Ion Ratio Lower Upper  
128 100  
127 13.7 10.6 15.8  
129 11.1 8.7 13.1

