

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071218\  
 Data File : VW003909.D  
 Acq On : 12 Jul 2018 20:33  
 Operator : SY/AP  
 Sample : J3947-03  
 Misc : 5.08G/5ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PAR-2

Quant Time: Jul 13 06:55:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070718S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 07 05:07:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 145460   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 244828   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 197972   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 66691    | 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   | 105081   | 55.24  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 110.48% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 87161    | 50.87  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 101.74% |          |
| 50) Toluene-d8              | 10.33 | 98   | 277853   | 42.39  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 84.78%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 77784    | 32.80  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 65.60%  |          |

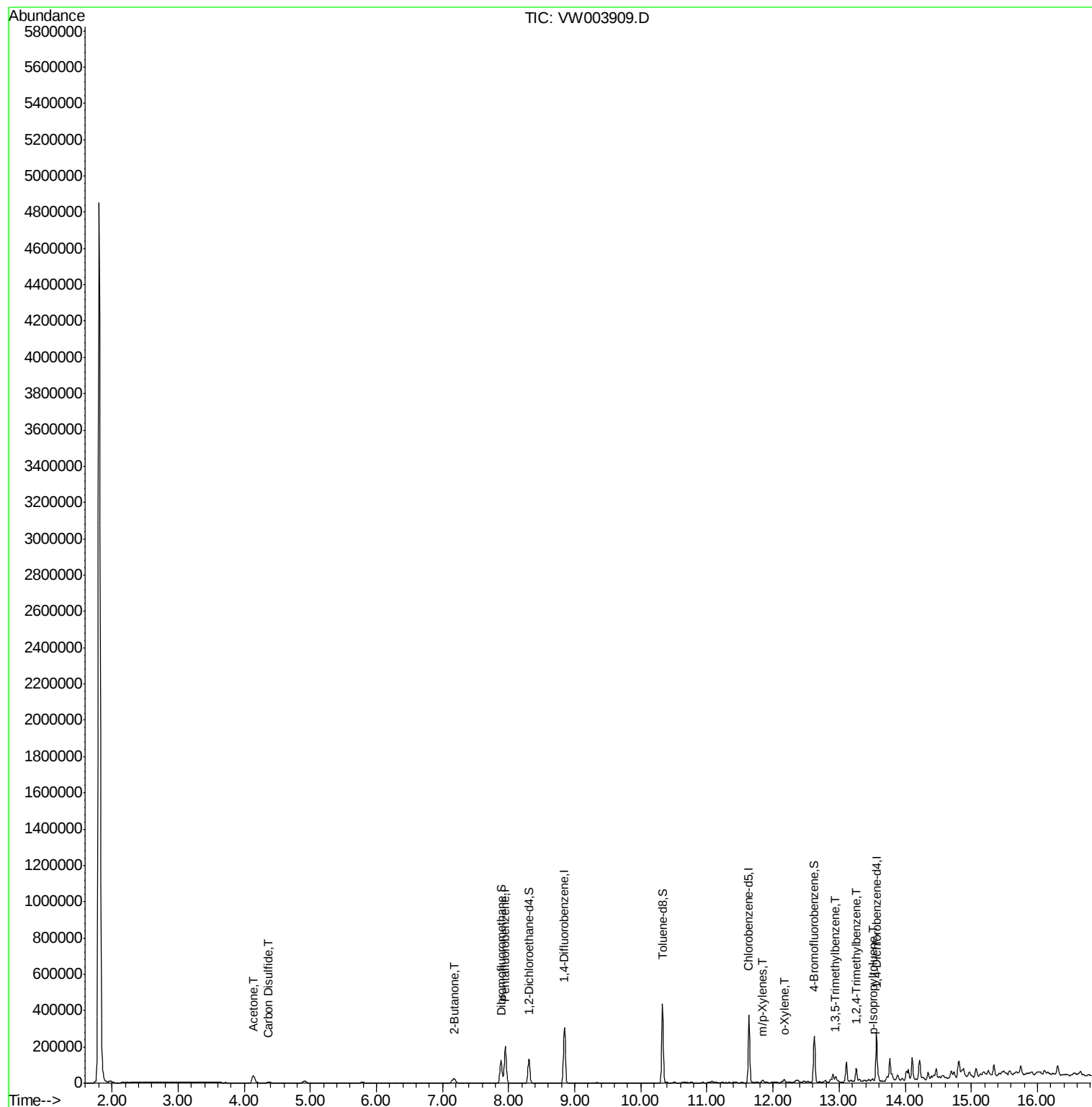
| Target Compounds           | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|----------------------------|-------|------|----------|---------|-------|--------|
| 16) Acetone                | 4.14  | 43   | 80786    | 244.785 | ug/l  | 99     |
| 17) Carbon Disulfide       | 4.37  | 76   | 12849    | 2.868   | ug/l  | 98     |
| 25) 2-Butanone             | 7.18  | 43   | 26233    | 50.749  | ug/l  | 98     |
| 68) m/p-Xylenes            | 11.85 | 106  | 3320     | 1.162   | ug/l  | 100    |
| 69) o-Xylene               | 12.17 | 106  | 3971     | 1.506   | ug/l  | 97     |
| 80) 1,3,5-Trimethylbenzene | 12.95 | 105  | 7984     | 2.051   | ug/l  | 98     |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105  | 38228    | 9.453   | ug/l  | 97     |
| 86) p-Isopropyltoluene     | 13.51 | 119  | 5871     | 1.399   | ug/l  | 96     |

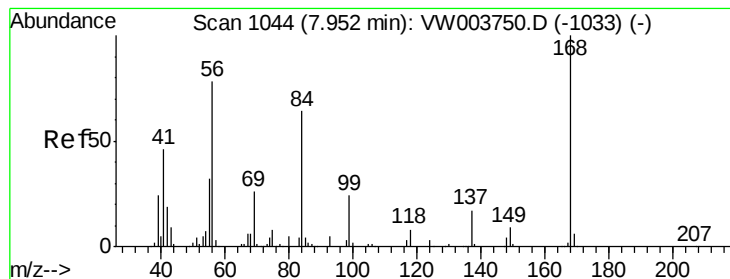
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PAR-2

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Quant Title : SW846 8260  
QLast Update : Sat Jul 07 05:07:25 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003909.D

Acq: 12 Jul 2018 20:33

Instrument :

MSVOA\_W

ClientSampled :

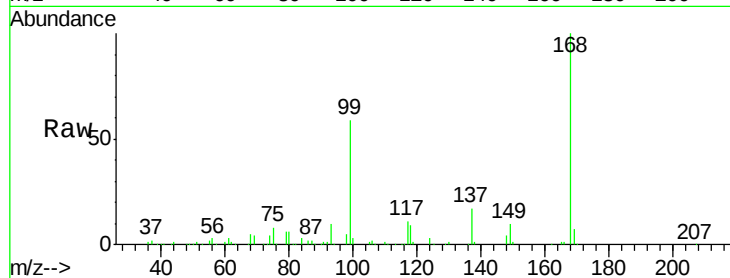
PAR-2

Tot Ion:168 Resp: 145460

Ion Ratio Lower Upper

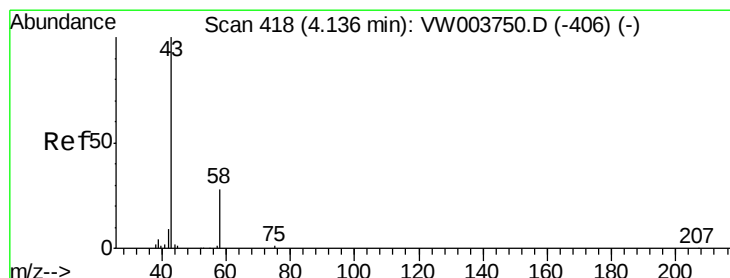
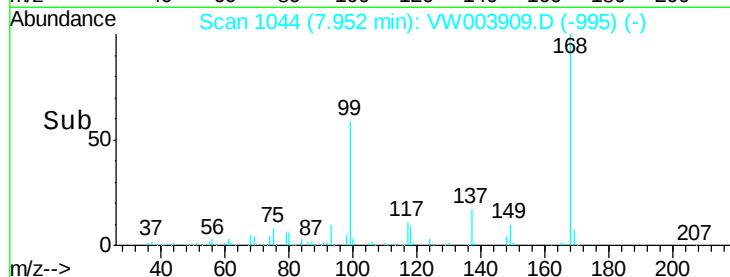
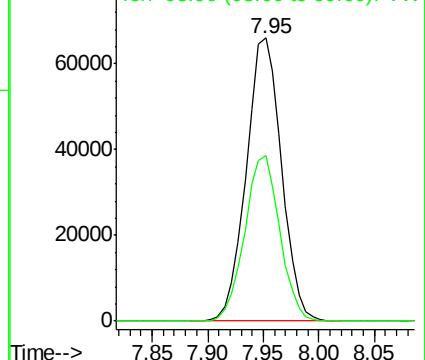
168 100

99 58.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 244.785 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003909.D

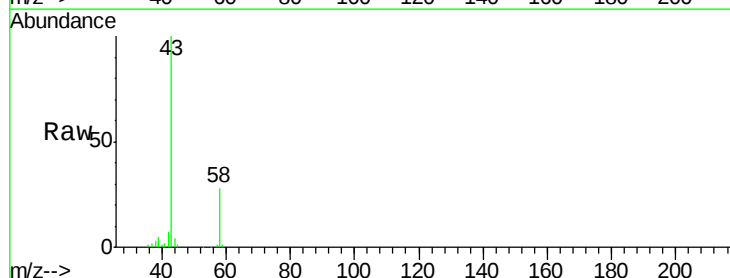
Acq: 12 Jul 2018 20:33

Tgt Ion: 43 Resp: 80786

Ion Ratio Lower Upper

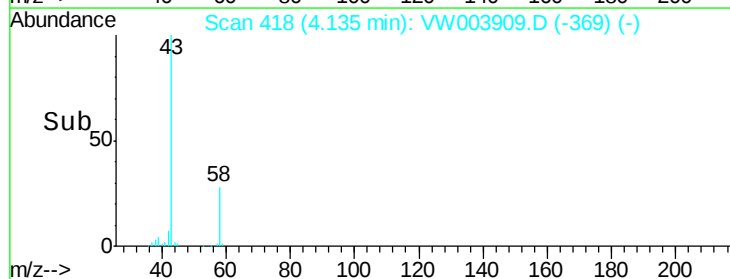
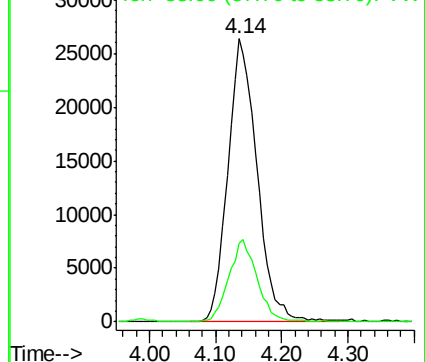
43 100

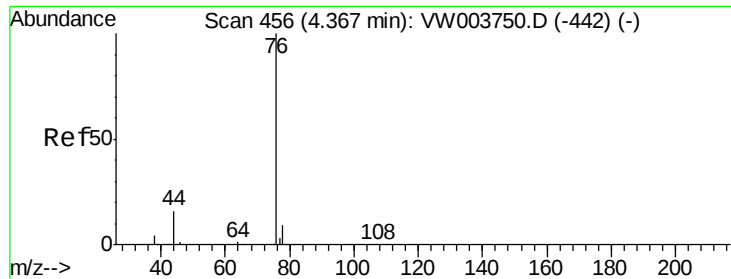
58 27.9 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 2.868 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003909.D

Acq: 12 Jul 2018 20:33

Instrument :

MSVOA\_W

ClientSampled :

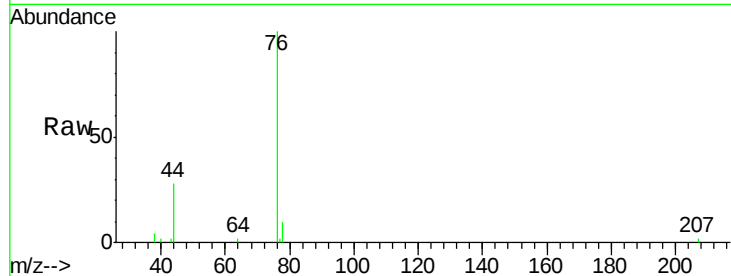
PAR-2

Tot Ion: 76 Resp: 12849

Ion Ratio Lower Upper

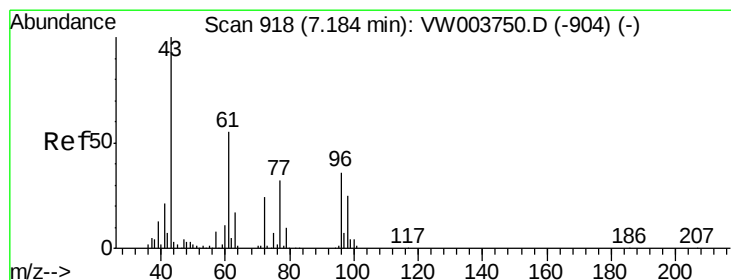
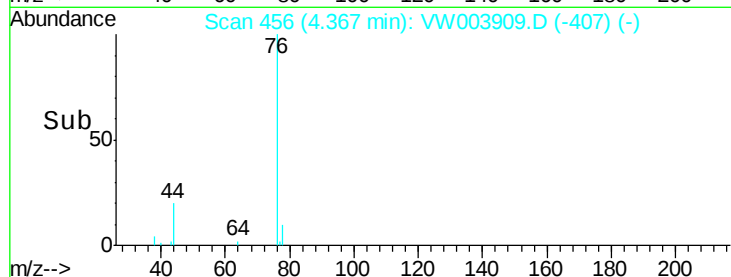
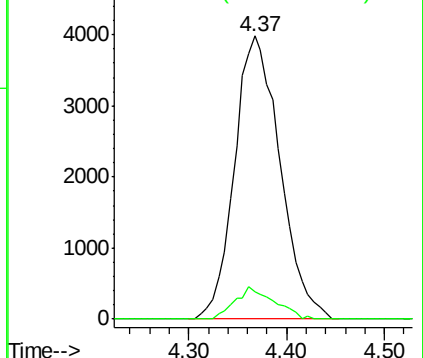
76 100

78 9.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 50.749 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003909.D

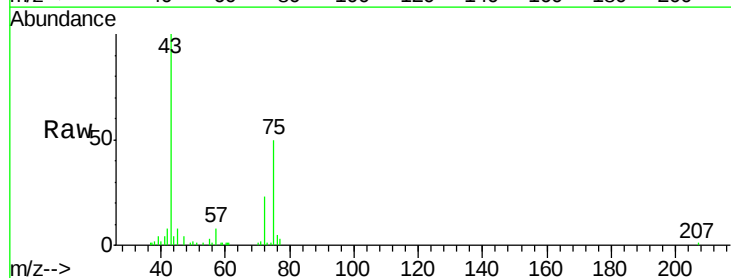
Acq: 12 Jul 2018 20:33

Tgt Ion: 43 Resp: 26233

Ion Ratio Lower Upper

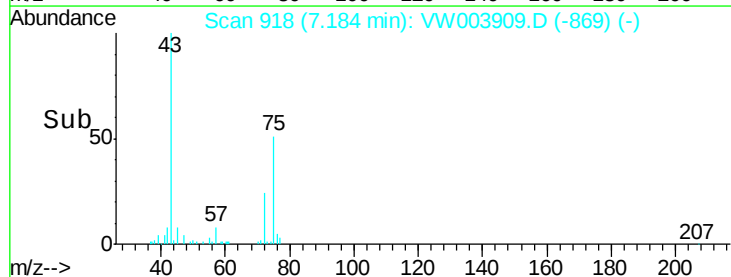
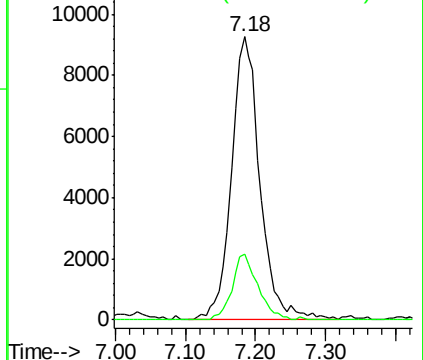
43 100

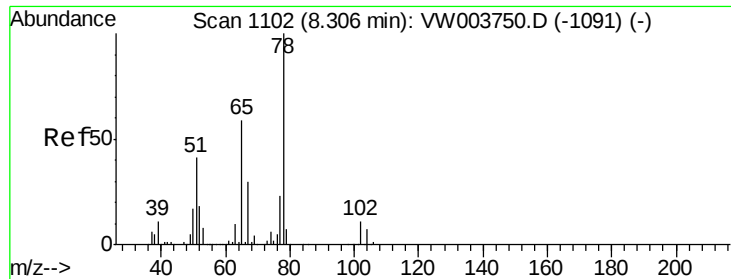
72 23.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#33

1,2-Dichloroethane-d4

Concen: 55.241 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003909.D

Acq: 12 Jul 2018 20:33

Instrument :

MSVOA\_W

ClientSampled :

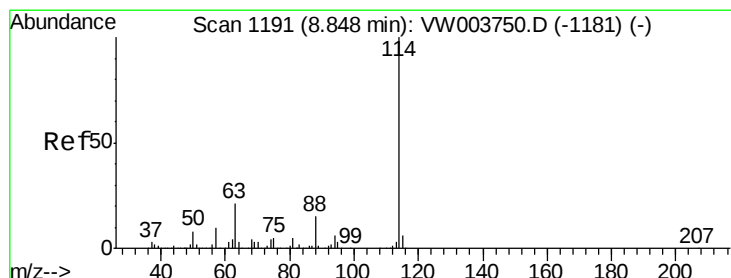
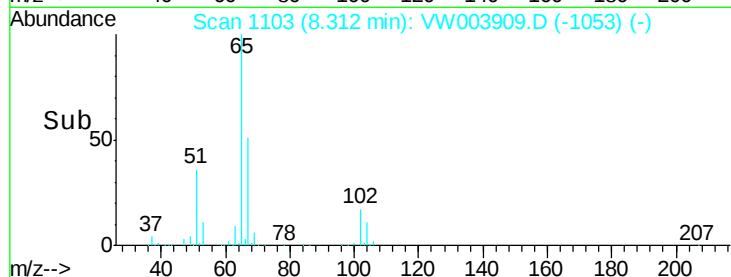
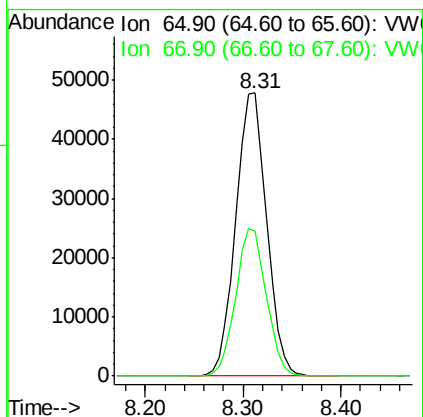
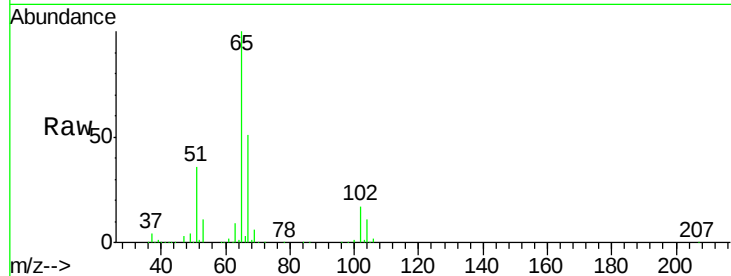
PAR-2

Tot Ion: 65 Resp: 105081

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003909.D

Acq: 12 Jul 2018 20:33

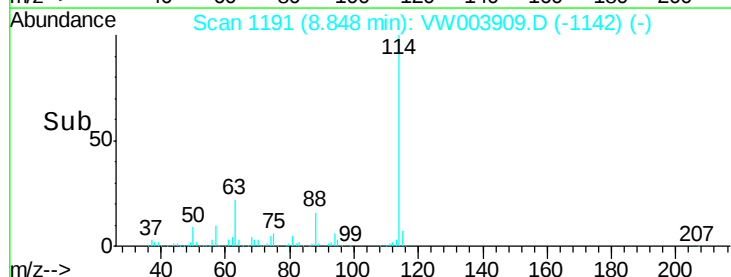
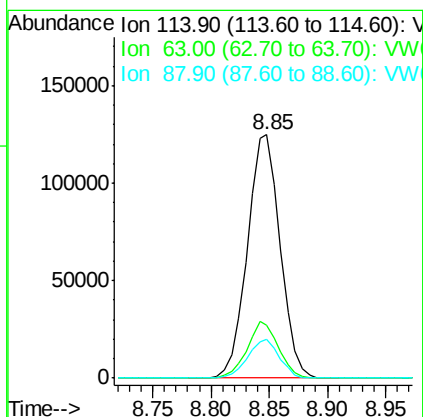
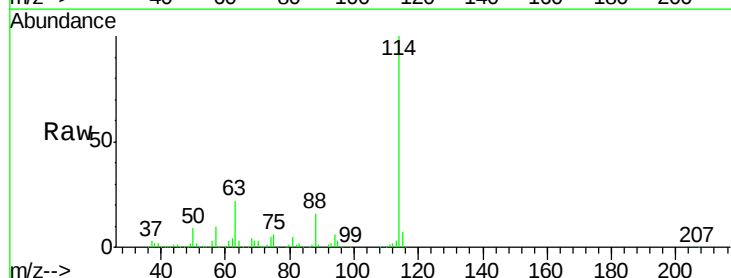
Tgt Ion: 114 Resp: 244828

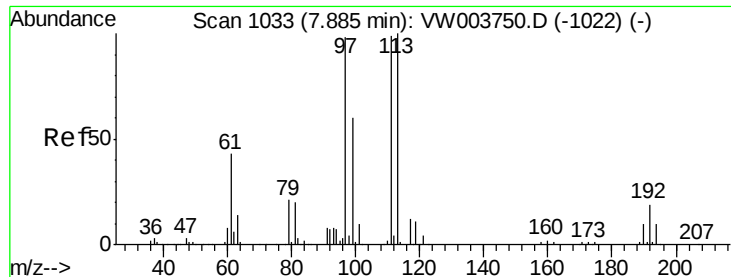
Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 15.7 0.0 30.2

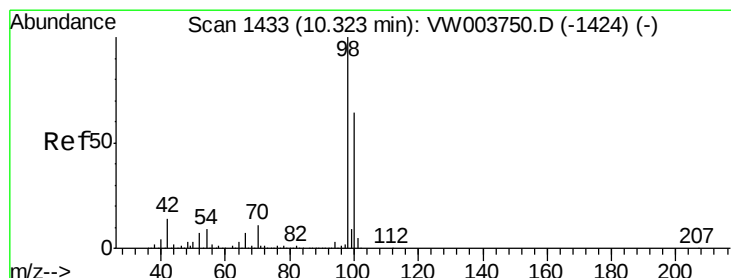
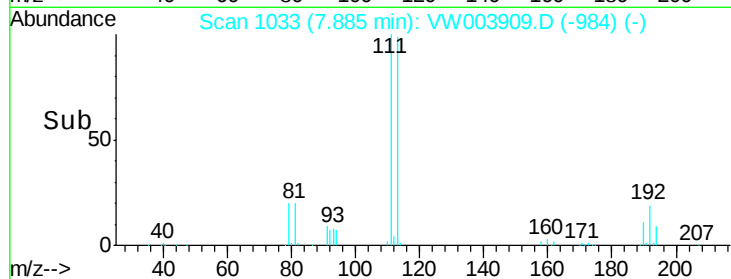
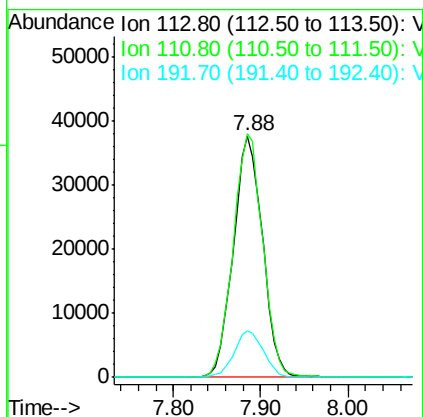
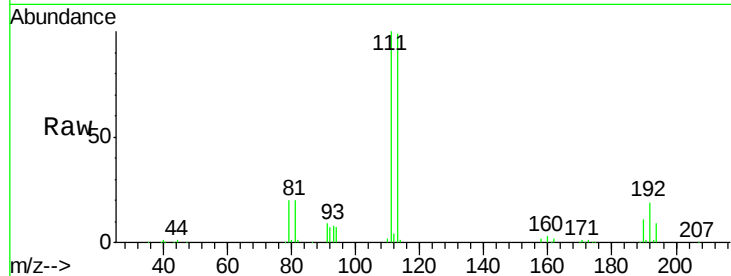




#35  
 Dibromofluoromethane  
 Concen: 50.867 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: VW003909.D  
 Acq: 12 Jul 2018 20:33

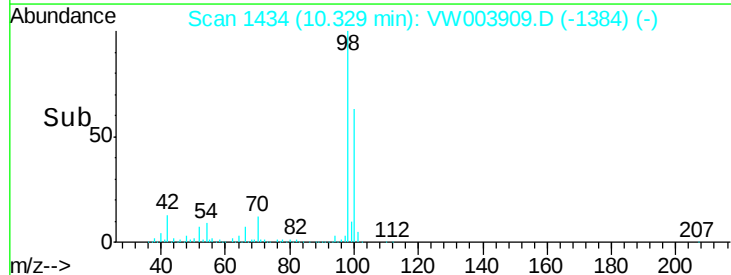
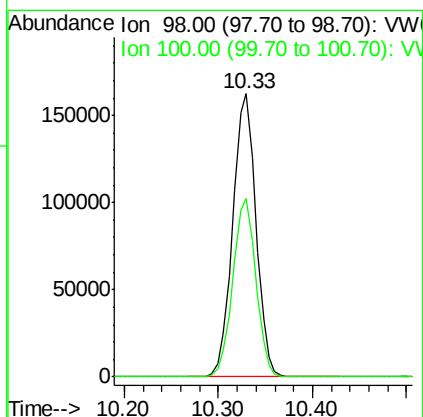
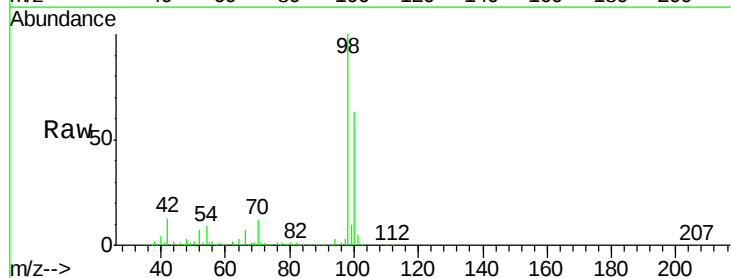
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PAR-2

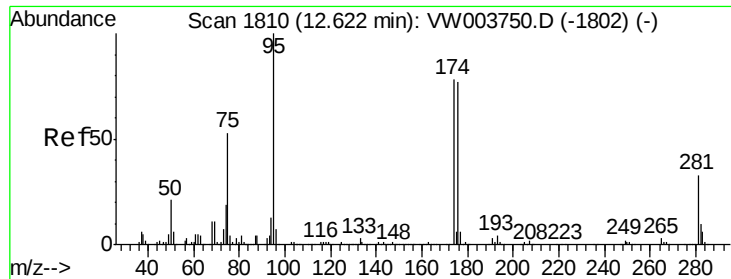
Tot Ion:113 Resp: 87161  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 81.7 122.5  
 192 19.6 15.8 23.8



#50  
 Toluene-d8  
 Concen: 42.391 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. 0.01 min  
 Lab File: VW003909.D  
 Acq: 12 Jul 2018 20:33

Tgt Ion: 98 Resp: 277853  
 Ion Ratio Lower Upper  
 98 100  
 100 62.5 50.8 76.2

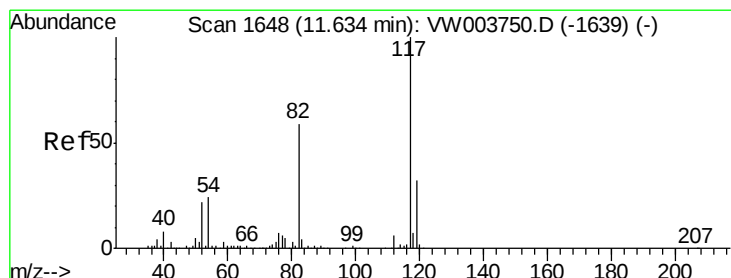
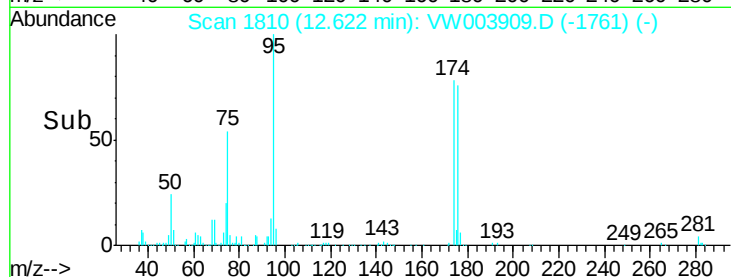
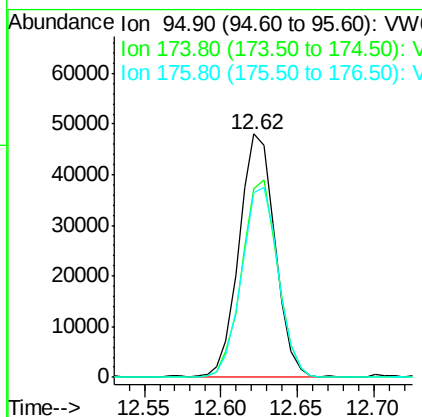
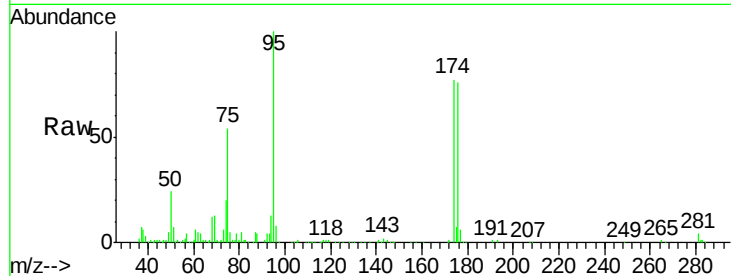




#62  
4-Bromofluorobenzene  
Concen: 32.799 ug/l  
RT: 12.62 min Scan# 1810  
Delta R.T. -0.00 min  
Lab File: VW003909.D  
Acq: 12 Jul 2018 20:33

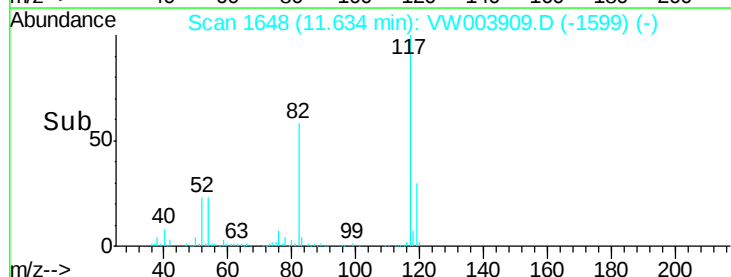
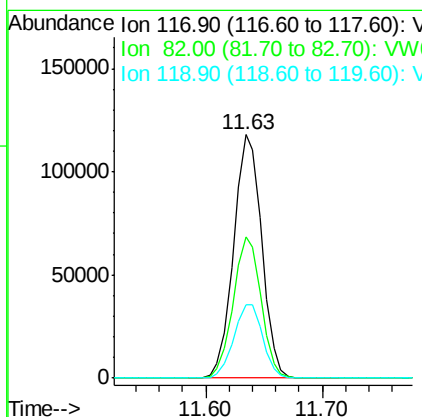
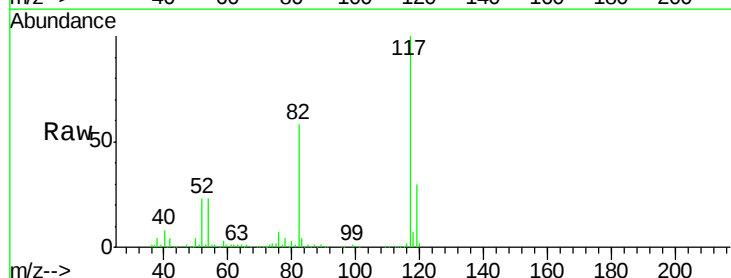
Instrument :  
MSVOA\_W  
ClientSampled :  
PAR-2

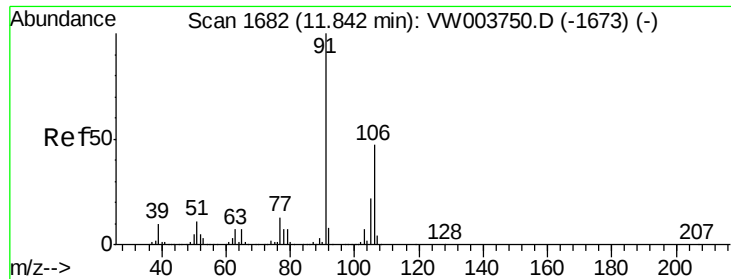
Tot Ion: 95 Resp: 77784  
Ion Ratio Lower Upper  
95 100  
174 81.9 0.0 163.4  
176 80.1 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW003909.D  
Acq: 12 Jul 2018 20:33

Tgt Ion: 117 Resp: 197972  
Ion Ratio Lower Upper  
117 100  
82 58.1 46.9 70.3  
119 30.3 25.5 38.3

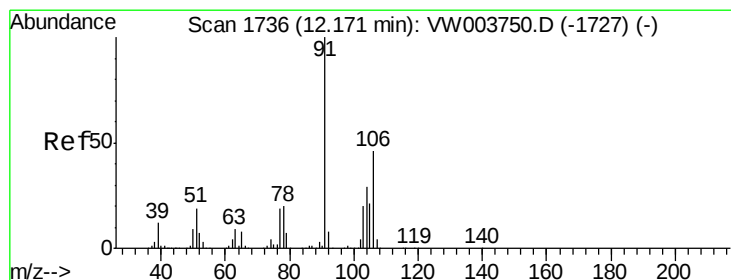
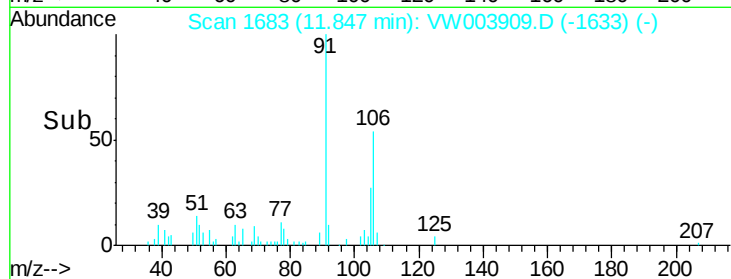
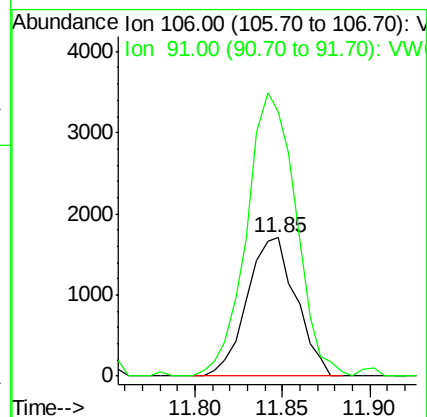
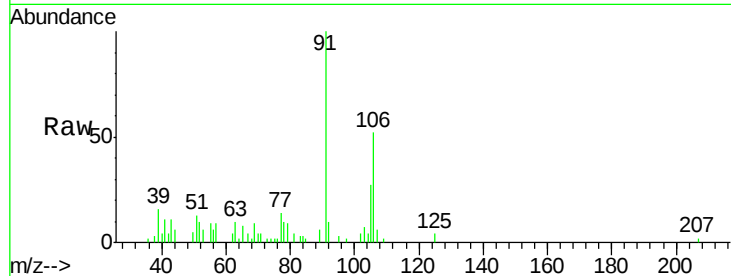




#68  
m/p-Xylenes  
Concen: 1.162 ug/l  
RT: 11.85 min Scan# 1683  
Delta R.T. 0.01 min  
Lab File: VW003909.D  
Acq: 12 Jul 2018 20:33

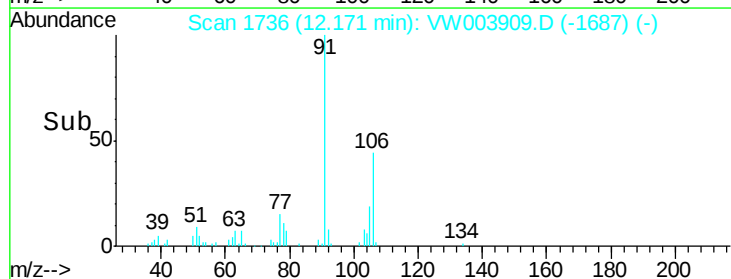
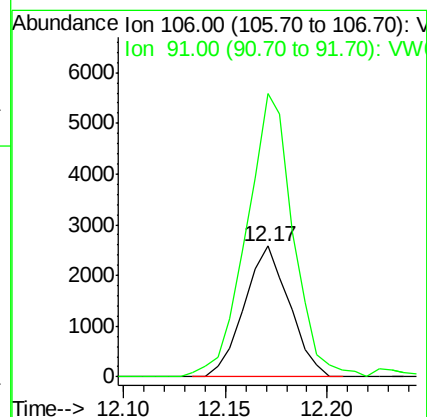
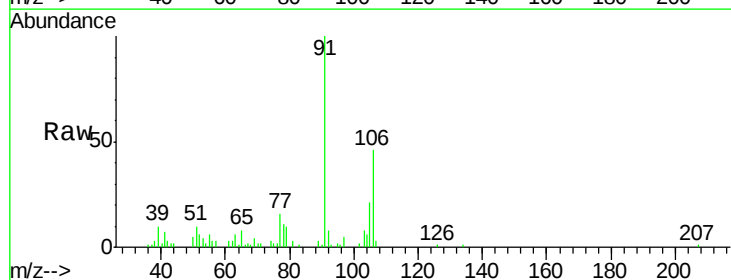
Instrument :  
MSVOA\_W  
ClientSampled :  
PAR-2

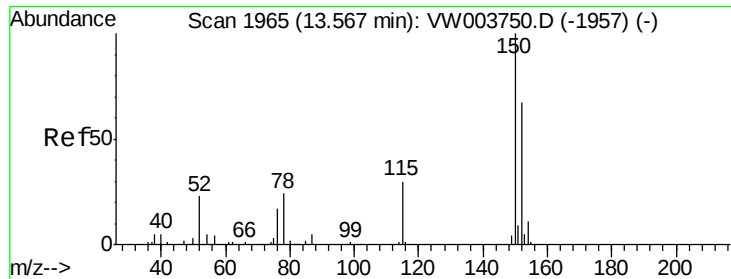
Tot Ion:106 Resp: 3320  
Ion Ratio Lower Upper  
106 100  
91 205.9 164.3 246.5



#69  
o-Xylene  
Concen: 1.506 ug/l  
RT: 12.17 min Scan# 1736  
Delta R.T. -0.00 min  
Lab File: VW003909.D  
Acq: 12 Jul 2018 20:33

Tgt Ion:106 Resp: 3971  
Ion Ratio Lower Upper  
106 100  
91 223.3 109.1 327.2



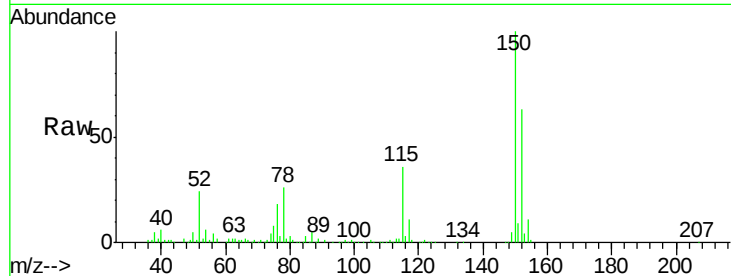


#72

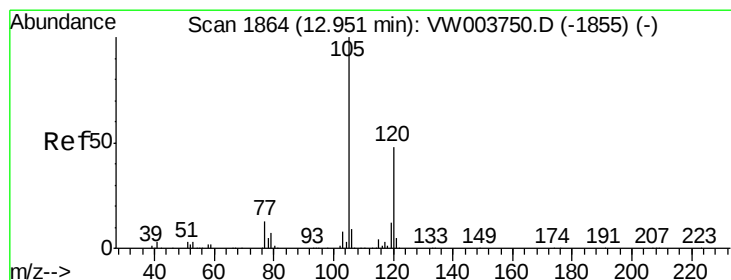
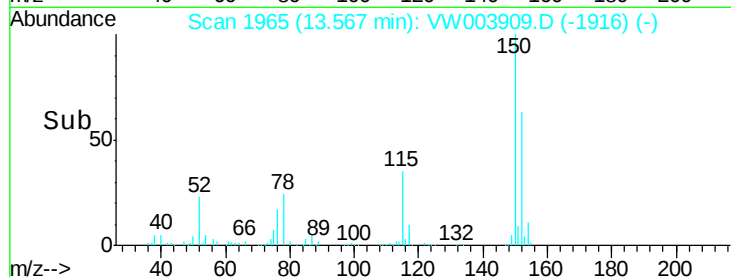
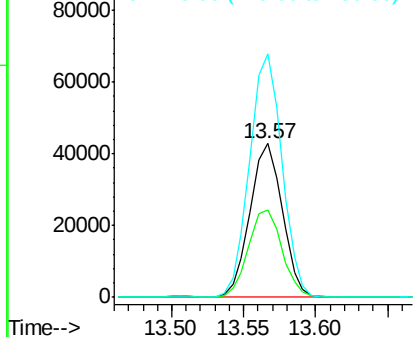
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. -0.00 min  
Lab File: VW003909.D  
Acq: 12 Jul 2018 20:33

Instrument :  
MSVOA\_W  
ClientSampled :  
PAR-2

Tot Ion:152 Resp: 66691  
Ion Ratio Lower Upper  
152 100  
115 59.2 28.9 86.8  
150 158.4 0.0 342.4



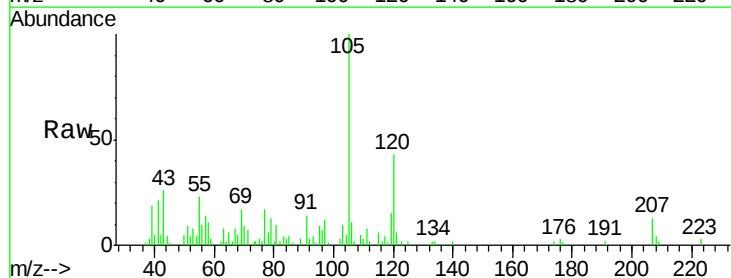
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



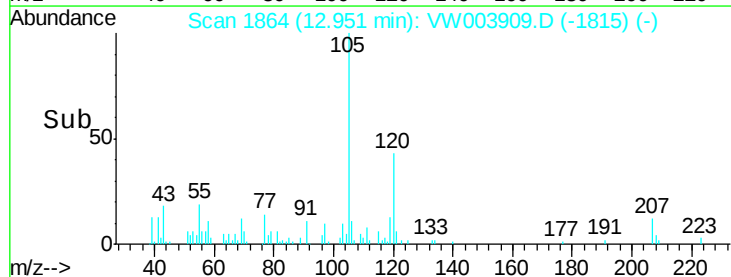
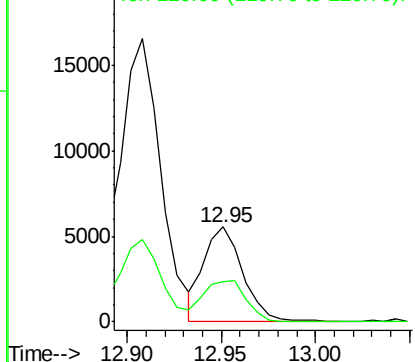
#80

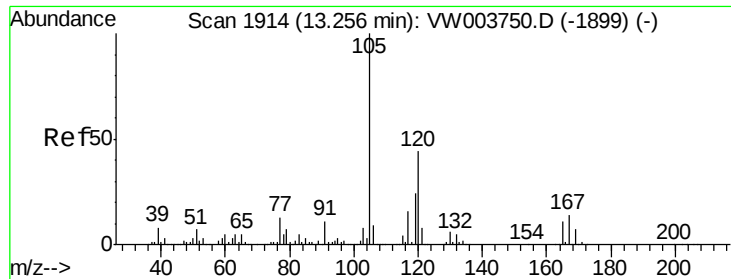
1,3,5-Trimethylbenzene  
Concen: 2.051 ug/l  
RT: 12.95 min Scan# 1864  
Delta R.T. -0.00 min  
Lab File: VW003909.D  
Acq: 12 Jul 2018 20:33

Tgt Ion:105 Resp: 7984  
Ion Ratio Lower Upper  
105 100  
120 47.3 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V

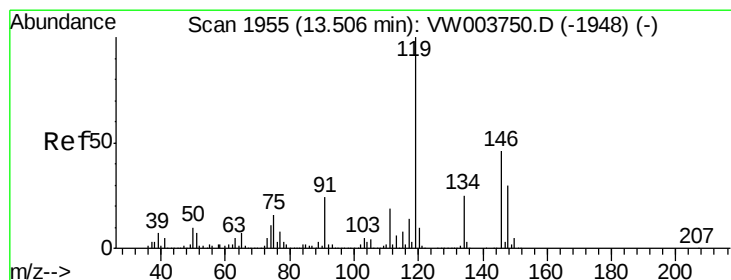
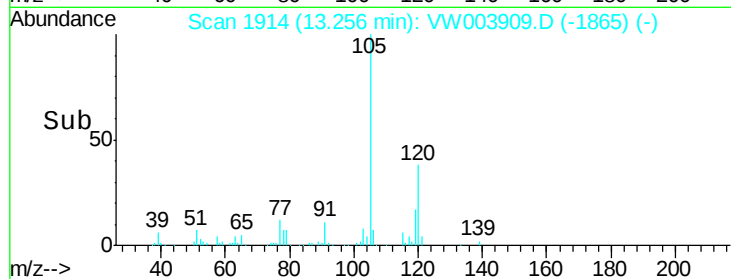
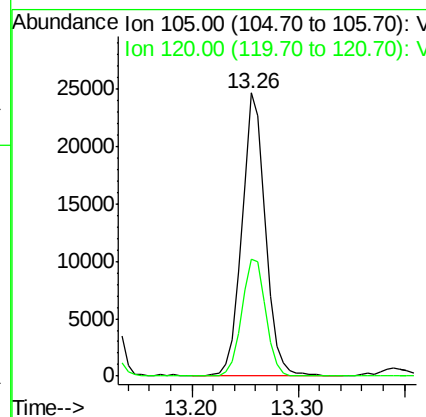
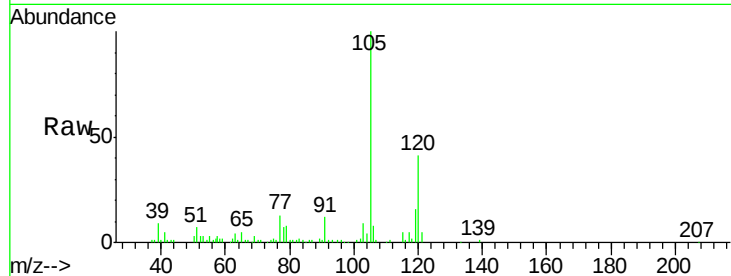




#84  
 1,2,4-Trimethylbenzene  
 Concen: 9.453 ug/l  
 RT: 13.26 min Scan# 1914  
 Delta R.T. -0.00 min  
 Lab File: VW003909.D  
 Acq: 12 Jul 2018 20:33

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 PAR-2

Tot Ion:105 Resp: 38228  
 Ion Ratio Lower Upper  
 105 100  
 120 42.1 22.0 66.0



#86  
 p-Isopropyltoluene  
 Concen: 1.399 ug/l  
 RT: 13.51 min Scan# 1955  
 Delta R.T. -0.00 min  
 Lab File: VW003909.D  
 Acq: 12 Jul 2018 20:33

Tgt Ion:119 Resp: 5871  
 Ion Ratio Lower Upper  
 119 100  
 134 29.8 13.1 39.1  
 91 24.2 11.9 35.9

