

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071218\  
 Data File : VW003910.D  
 Acq On : 12 Jul 2018 20:59  
 Operator : SY/AP  
 Sample : J3947-05  
 Misc : 3.89G/5ML/MSVOA W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PAR-3

Quant Time: Jul 13 06:58:02 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

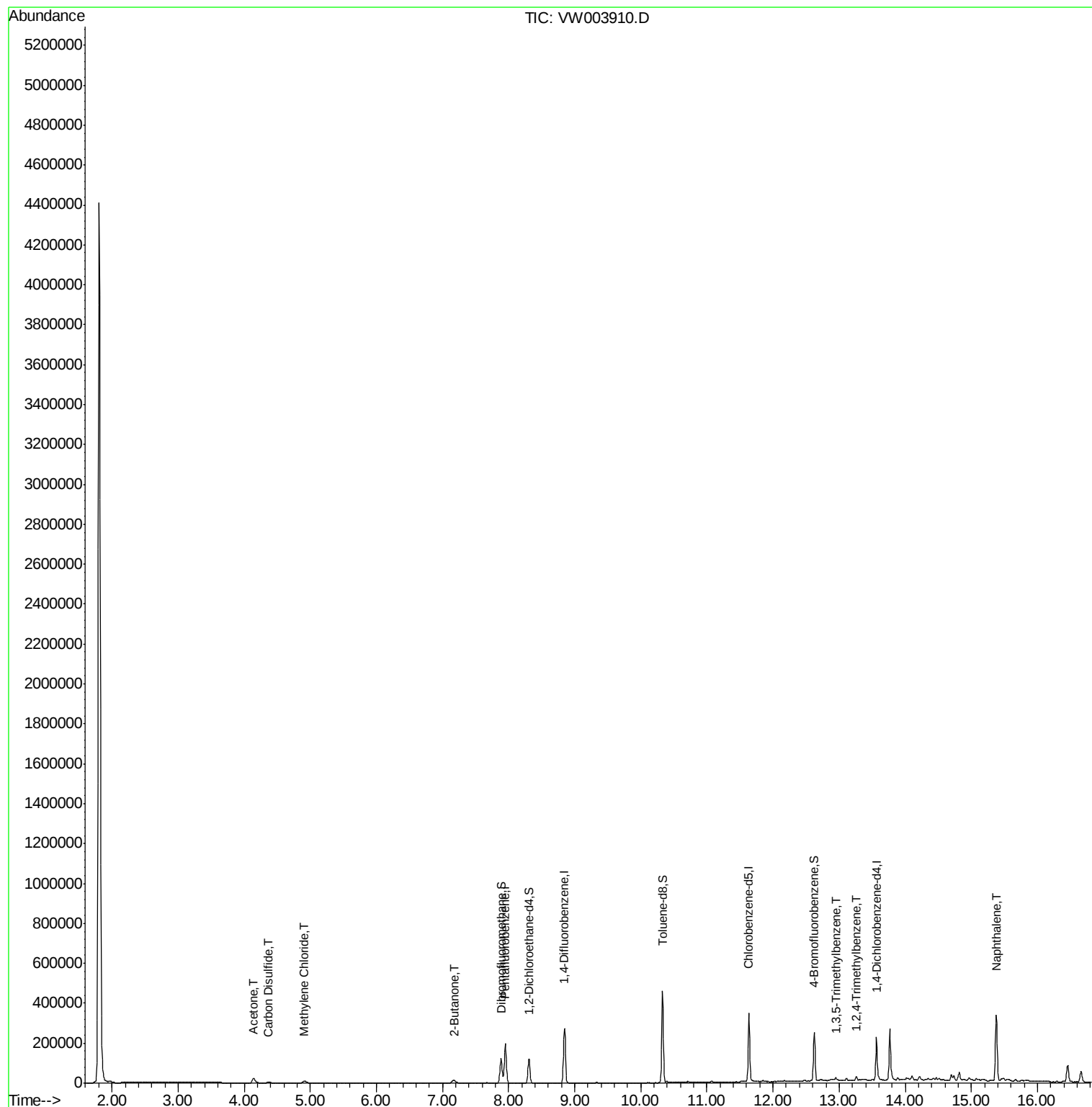
| Internal Standards          | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 138350   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85   | 114  | 221710   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63  | 117  | 178974   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57  | 152  | 54467    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65   | 95692    | 52.89   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 105.78% |          |
| 35) Dibromofluoromethane    | 7.88   | 113  | 86096    | 55.48   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 110.96% |          |
| 50) Toluene-d8              | 10.33  | 98   | 296479   | 49.95   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 99.90%  |          |
| 62) 4-Bromofluorobenzene    | 12.62  | 95   | 74442    | 34.66   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 69.32%  |          |
| Target Compounds            |        |      |          |         |         |          |
| 16) Acetone                 | 4.15   | 43   | 45969    | 146.446 | ug/l    | 97       |
| 17) Carbon Disulfide        | 4.37   | 76   | 12858    | 3.018   | ug/l    | 98       |
| 20) Methylene Chloride      | 4.92   | 84   | 9341     | 1.887   | ug/l    | 91       |
| 25) 2-Butanone              | 7.19   | 43   | 13067    | 26.578  | ug/l    | 92       |
| 80) 1,3,5-Trimethylbenzene  | 12.95  | 105  | 3475     | 1.093   | ug/l    | 95       |
| 84) 1,2,4-Trimethylbenzene  | 13.26  | 105  | 10443    | 3.162   | ug/l    | 99       |
| 95) Naphthalene             | 15.38  | 128  | 271022   | 134.157 | ug/l    | 99       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071218\  
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Acq On : 12 Jul 2018 20:59  
Operator : SY/AP  
Sample : J3947-05  
Misc : 3.89G/5ML/MSVOA W/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
PAR-3

Quant Time: Jul 13 06:58:02 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W070718S.M  
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: VW003910.D

Acq: 12 Jul 2018 20:59

Instrument :

MSVOA\_W

ClientSampleId :

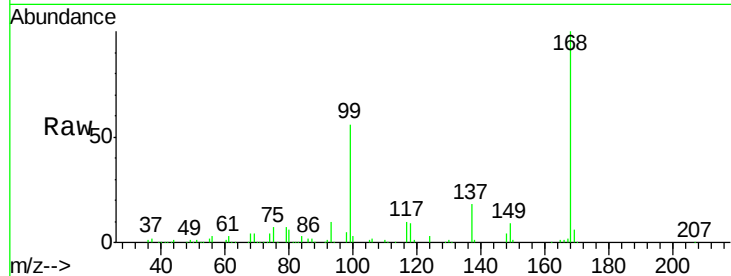
PAR-3

Tot Ion:168 Resp: 138350

Ion Ratio Lower Upper

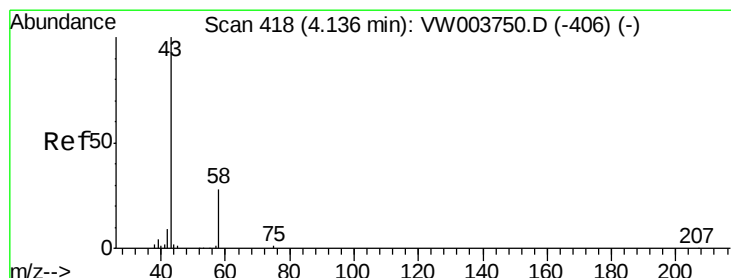
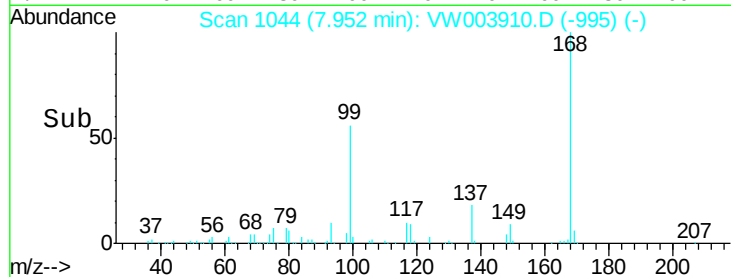
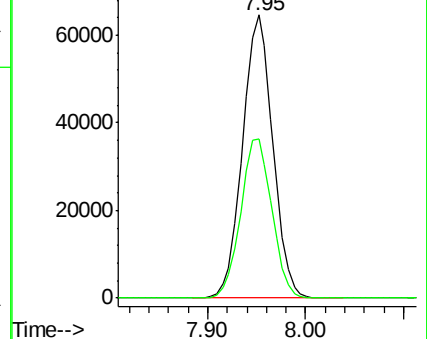
168 100

99 56.2 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: 146.446 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW003910.D

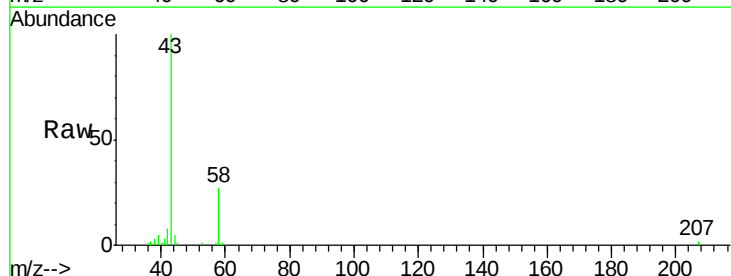
Acq: 12 Jul 2018 20:59

Tgt Ion: 43 Resp: 45969

Ion Ratio Lower Upper

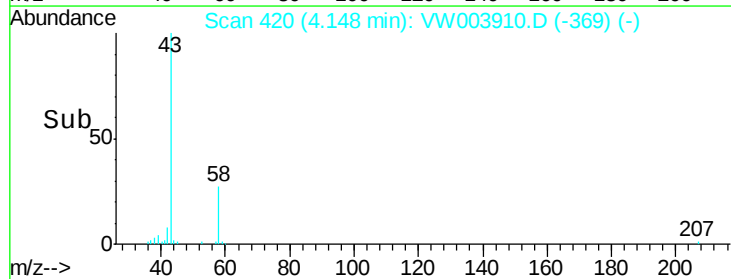
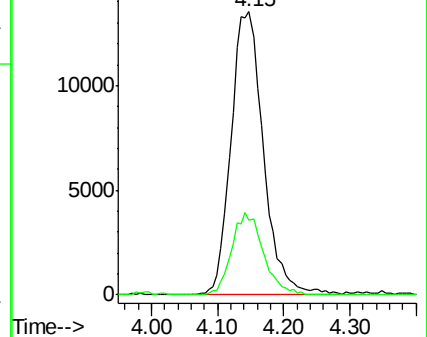
43 100

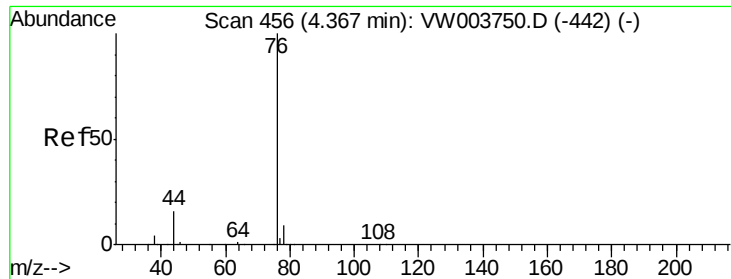
58 26.5 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

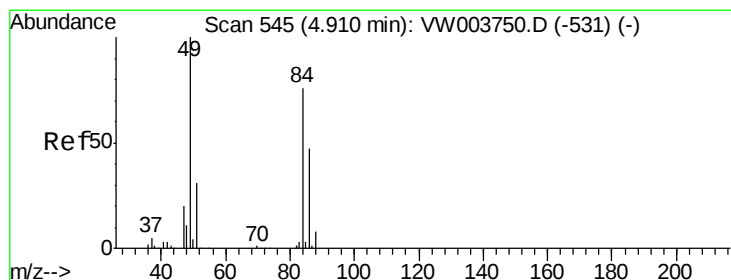
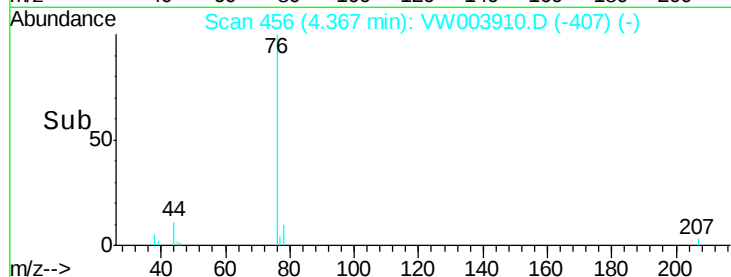
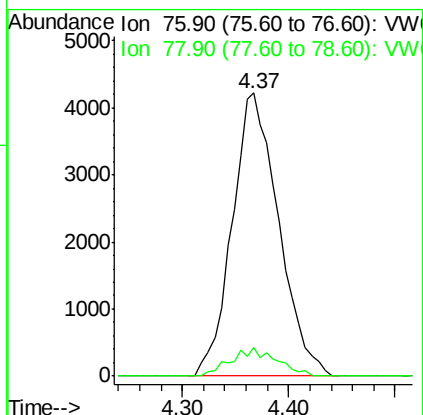
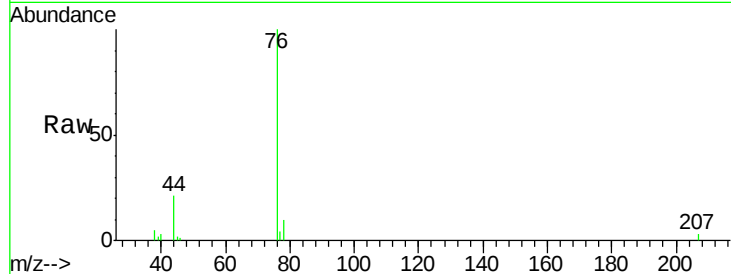




#17  
Carbon Disulfide  
Concen: 3.018 ug/l  
RT: 4.37 min Scan# 456  
Delta R.T. -0.00 min  
Lab File: VW003910.D  
Acq: 12 Jul 2018 20:59

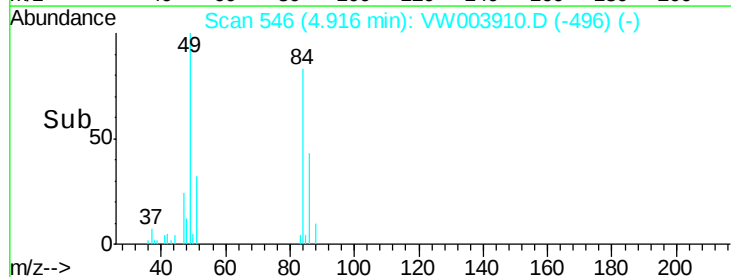
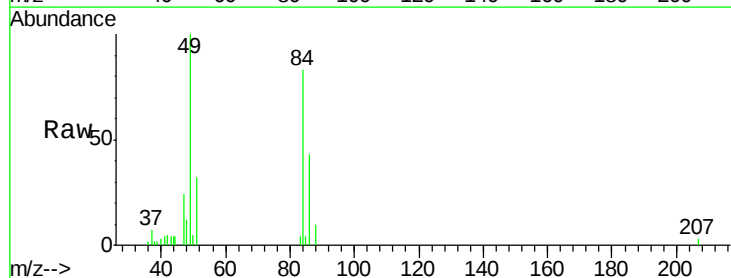
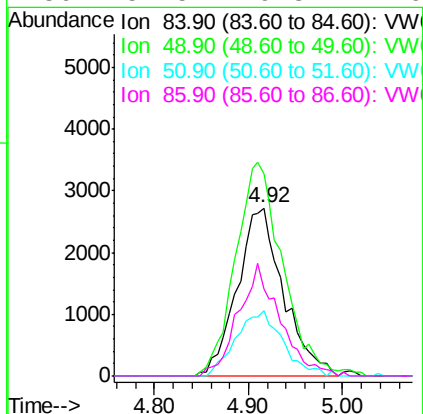
Instrument :  
MSVOA\_W  
ClientSampleId :  
PAR-3

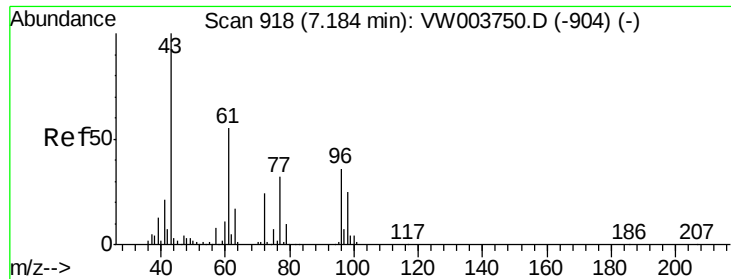
Tot Ion: 76 Resp: 12858  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.4 11.2



#20  
Methylene Chloride  
Concen: 1.887 ug/l  
RT: 4.92 min Scan# 546  
Delta R.T. 0.01 min  
Lab File: VW003910.D  
Acq: 12 Jul 2018 20:59

Tgt Ion: 84 Resp: 9341  
Ion Ratio Lower Upper  
84 100  
49 120.6 105.1 157.7  
51 38.8 32.5 48.7  
86 51.5 49.8 74.6





#25

2-Butanone

Concen: 26.578 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

Instrument :

MSVOA\_W

ClientSampled :

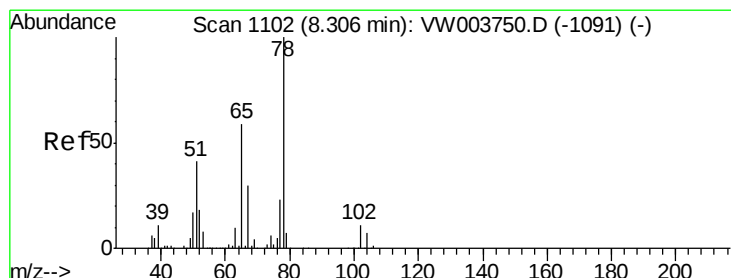
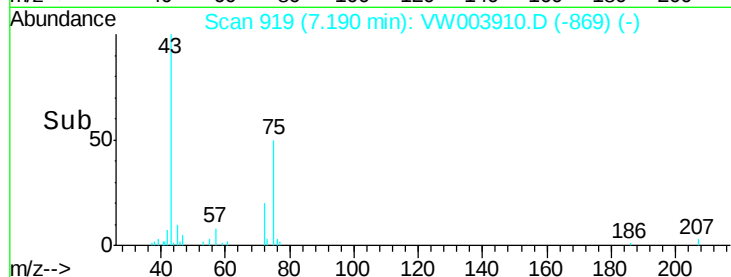
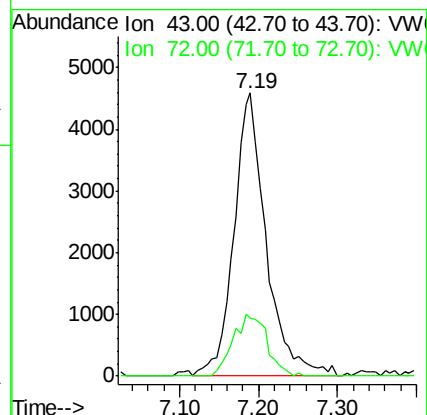
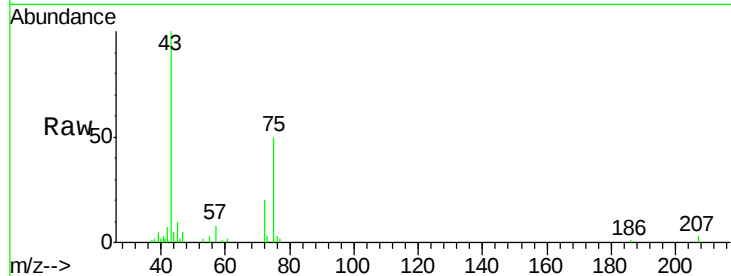
PAR-3

Tot Ion: 43 Resp: 13067

Ion Ratio Lower Upper

43 100

72 20.4 19.4 29.2



#33

1,2-Dichloroethane-d4

Concen: 52.891 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003910.D

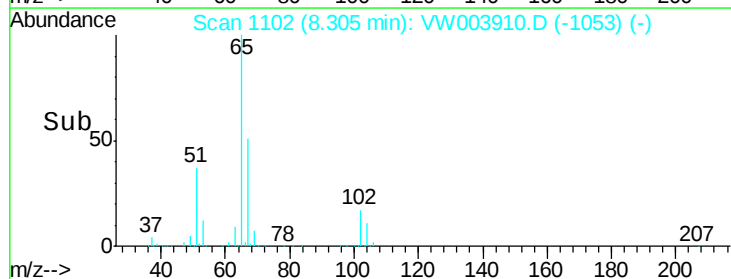
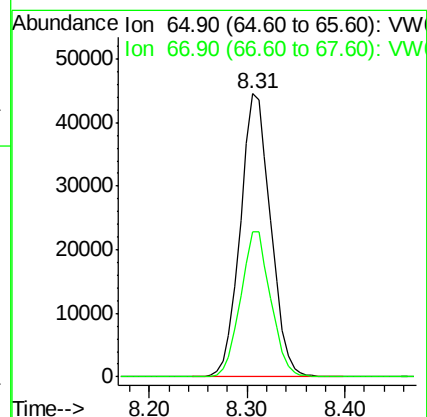
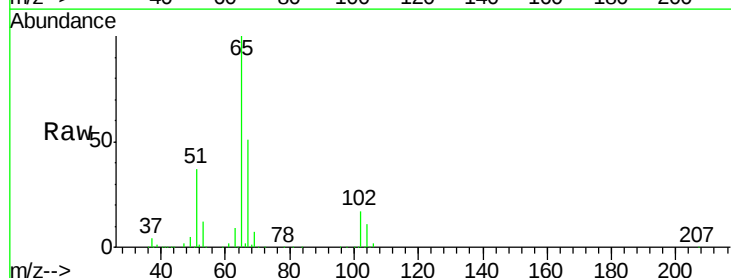
Acq: 12 Jul 2018 20:59

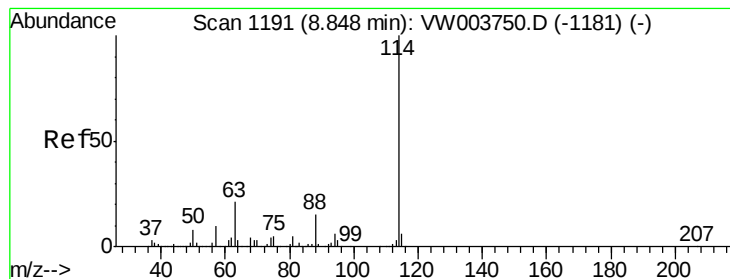
Tgt Ion: 65 Resp: 95692

Ion Ratio Lower Upper

65 100

67 51.0 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: VW003910.D

Acq: 12 Jul 2018 20:59

Instrument :

MSVOA\_W

ClientSampled :

PAR-3

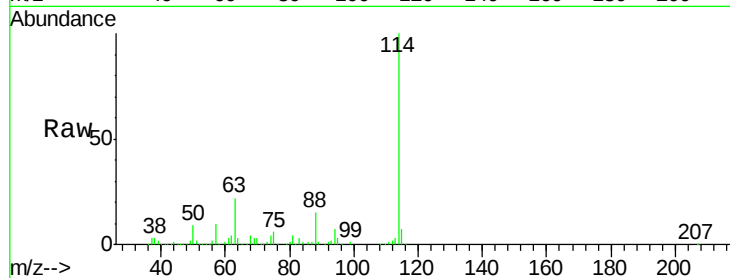
Tot Ion:114 Resp: 221710

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

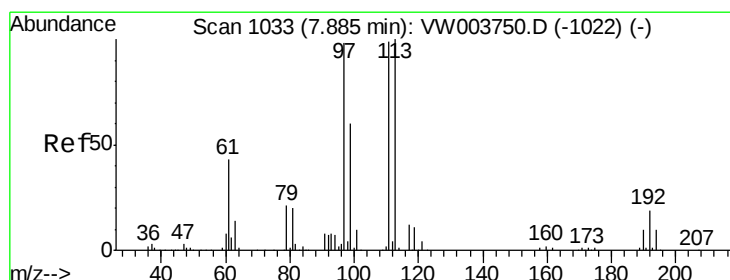
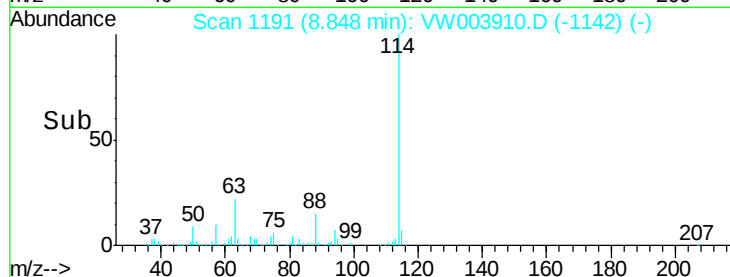
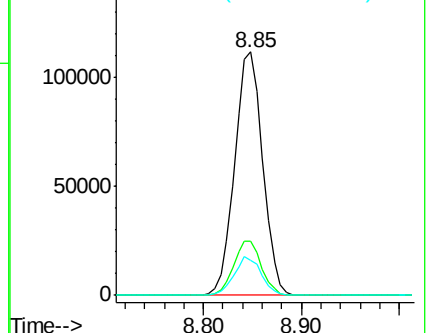
88 14.6 0.0 30.2



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: 55.484 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

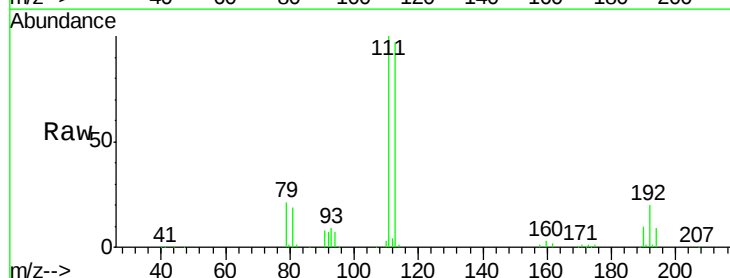
Tgt Ion:113 Resp: 86096

Ion Ratio Lower Upper

113 100

111 100.9 81.7 122.5

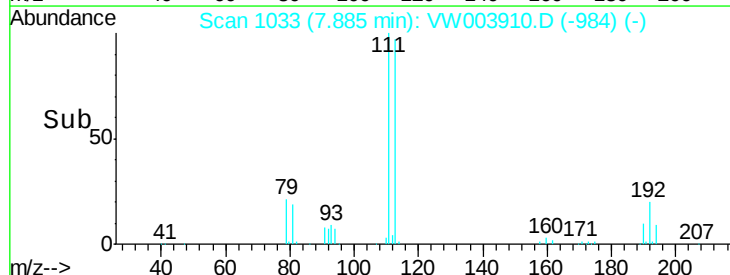
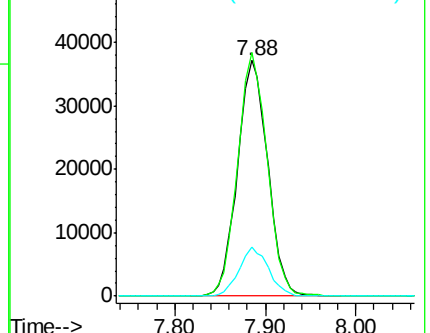
192 20.1 15.8 23.8

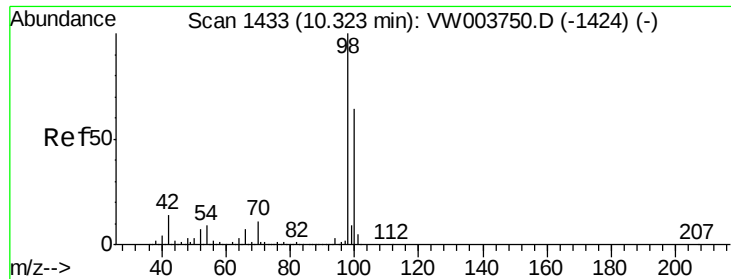


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.949 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

Instrument :

MSVOA\_W

ClientSampleId :

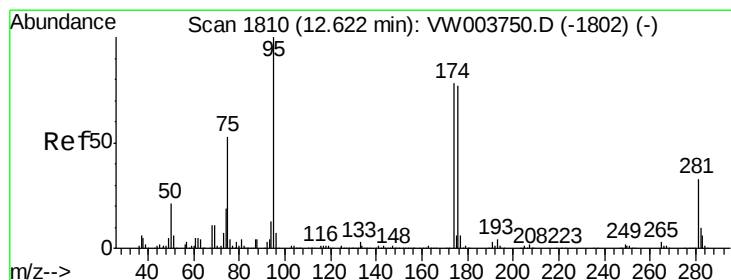
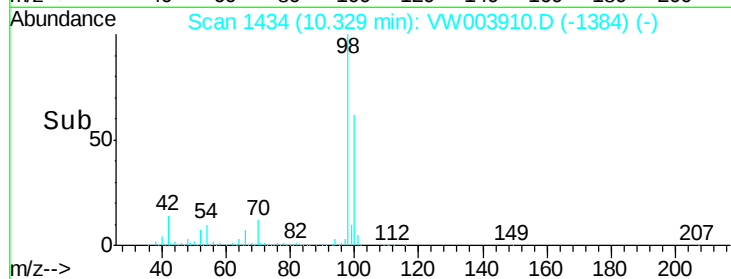
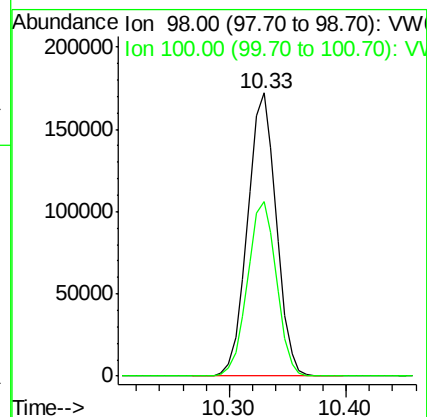
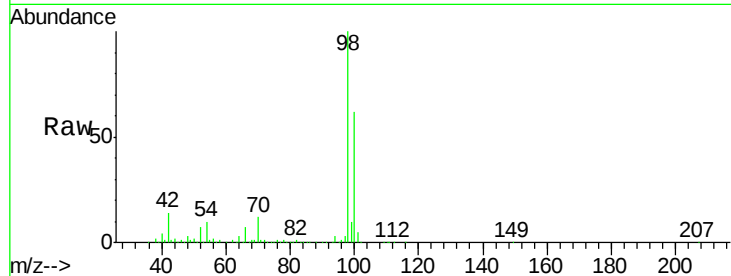
PAR-3

Tot Ion: 98 Resp: 296479

Ion Ratio Lower Upper

98 100

100 62.1 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 34.663 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

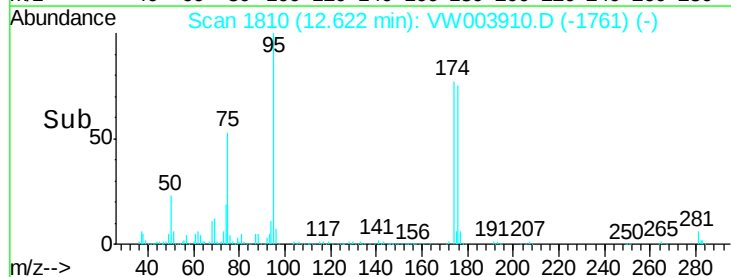
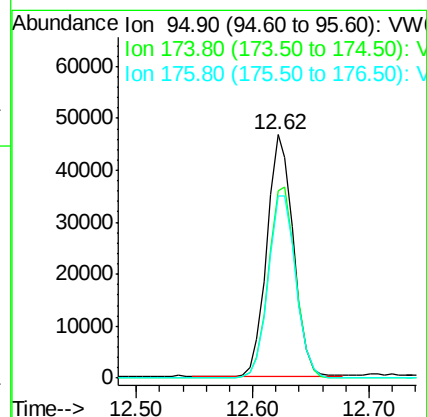
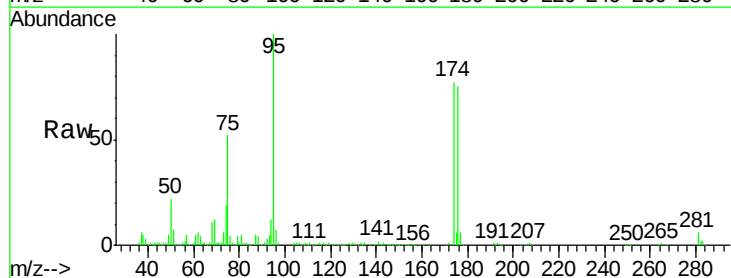
Tgt Ion: 95 Resp: 74442

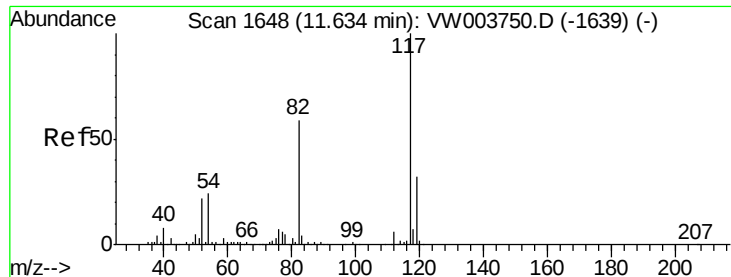
Ion Ratio Lower Upper

95 100

174 80.4 0.0 163.4

176 77.7 0.0 156.8

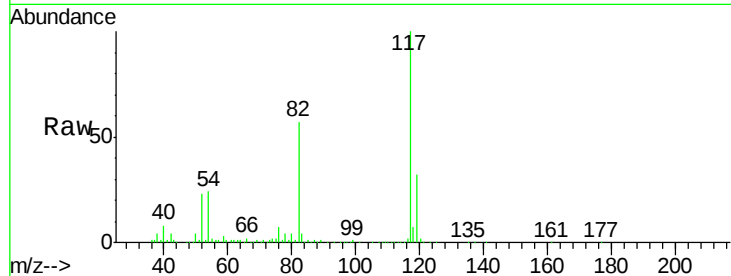




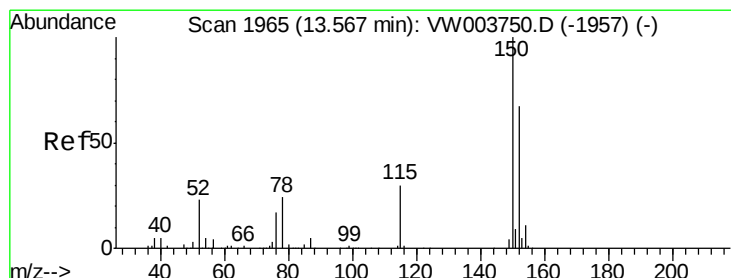
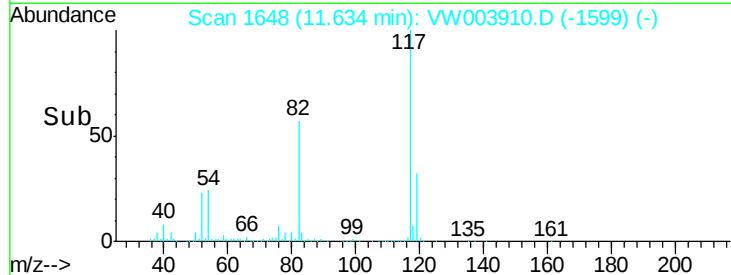
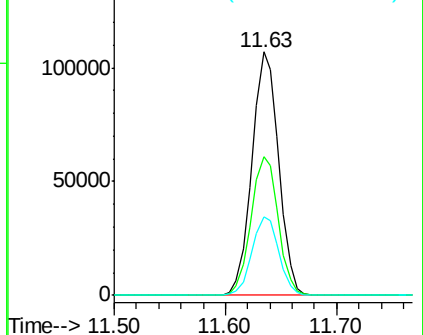
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW003910.D  
Acq: 12 Jul 2018 20:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
PAR-3

Tot Ion:117 Resp: 178974  
Ion Ratio Lower Upper  
117 100  
82 56.9 46.9 70.3  
119 32.2 25.5 38.3

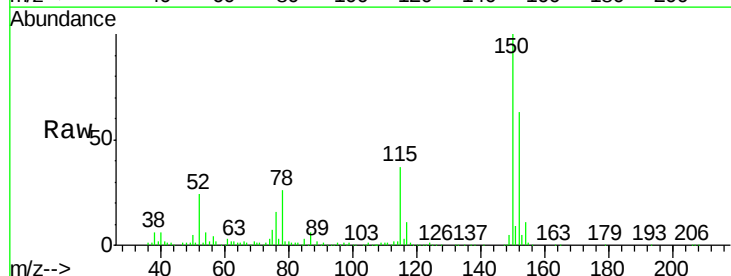


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

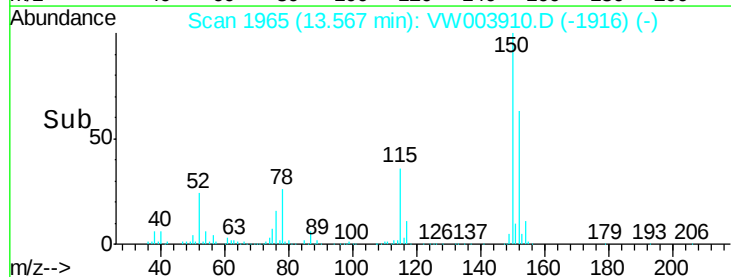
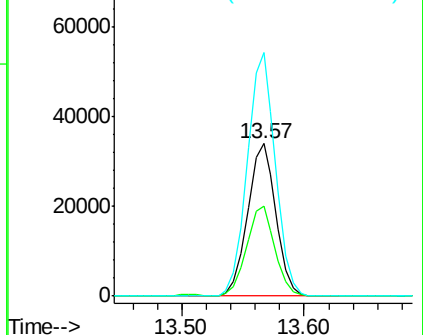


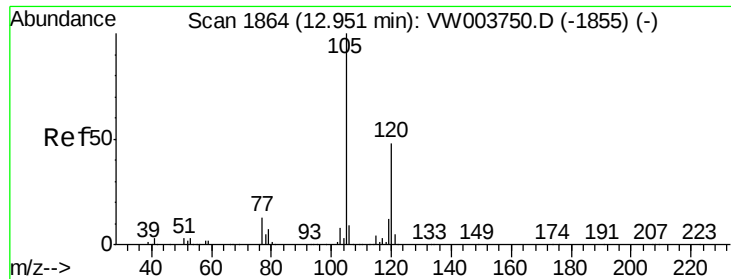
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. -0.00 min  
Lab File: VW003910.D  
Acq: 12 Jul 2018 20:59

Tgt Ion:152 Resp: 54467  
Ion Ratio Lower Upper  
152 100  
115 59.5 28.9 86.8  
150 158.8 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

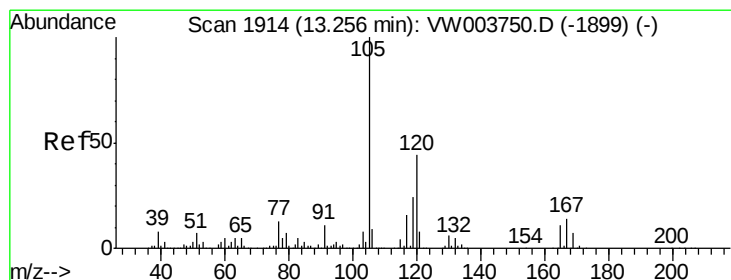
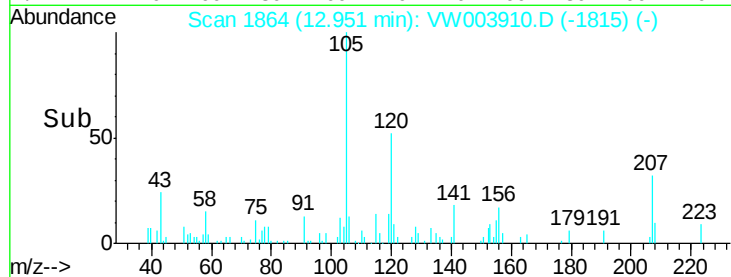
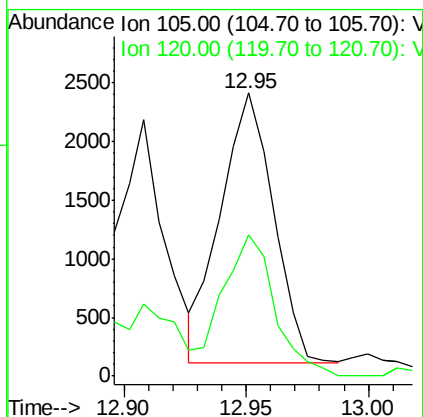
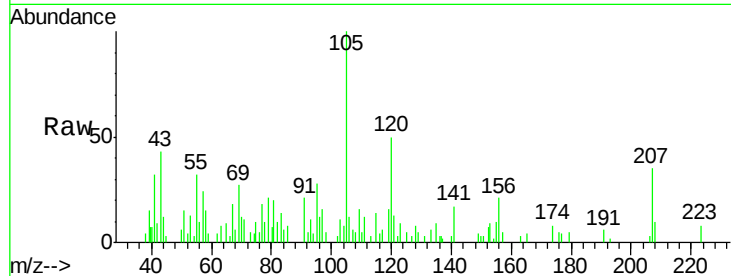




#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.093 ug/l  
 RT: 12.95 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VW003910.D  
 Acq: 12 Jul 2018 20:59

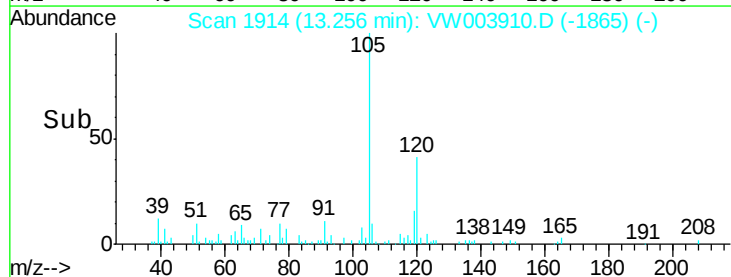
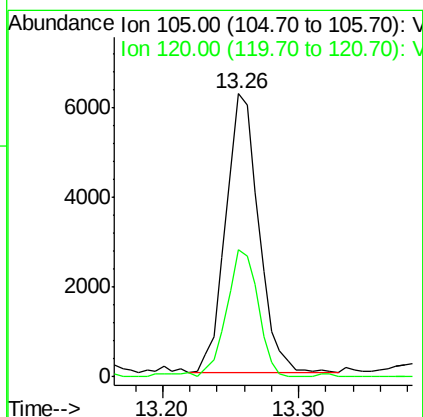
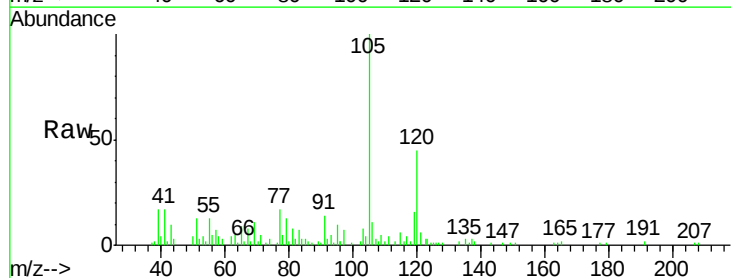
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 PAR-3

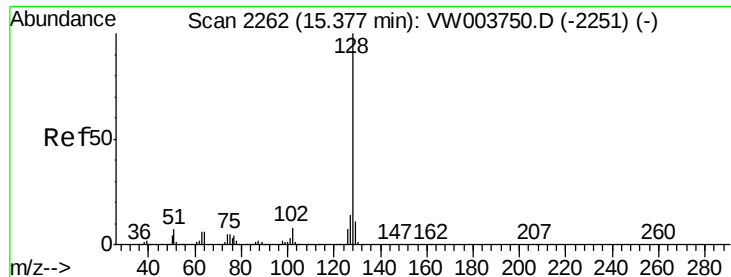
Tot Ion:105 Resp: 3475  
 Ion Ratio Lower Upper  
 105 100  
 120 51.8 24.2 72.6



#84  
 1,2,4-Trimethylbenzene  
 Concen: 3.162 ug/l  
 RT: 13.26 min Scan# 1914  
 Delta R.T. -0.00 min  
 Lab File: VW003910.D  
 Acq: 12 Jul 2018 20:59

Tgt Ion:105 Resp: 10443  
 Ion Ratio Lower Upper  
 105 100  
 120 43.3 22.0 66.0





#95

Naphthalene

Concen: 134.157 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003910.D

Acq: 12 Jul 2018 20:59

Instrument :

MSVOA\_W

ClientSampleId :

PAR-3

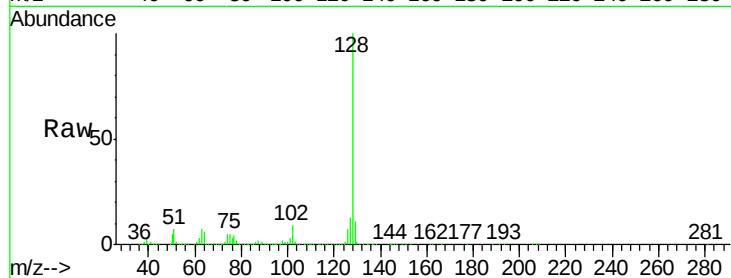
Tot Ion:128 Resp: 271022

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

