

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022818\  
 Data File : VX000175.D  
 Acq On : 28 Feb 2018 18:49  
 Operator : JC/MD  
 Sample : J1683-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RFK-RMAB-MW13-GW

Quant Time: Mar 01 07:21:03 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X021418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 15 12:46:41 2018  
 Response via : Initial Calibration

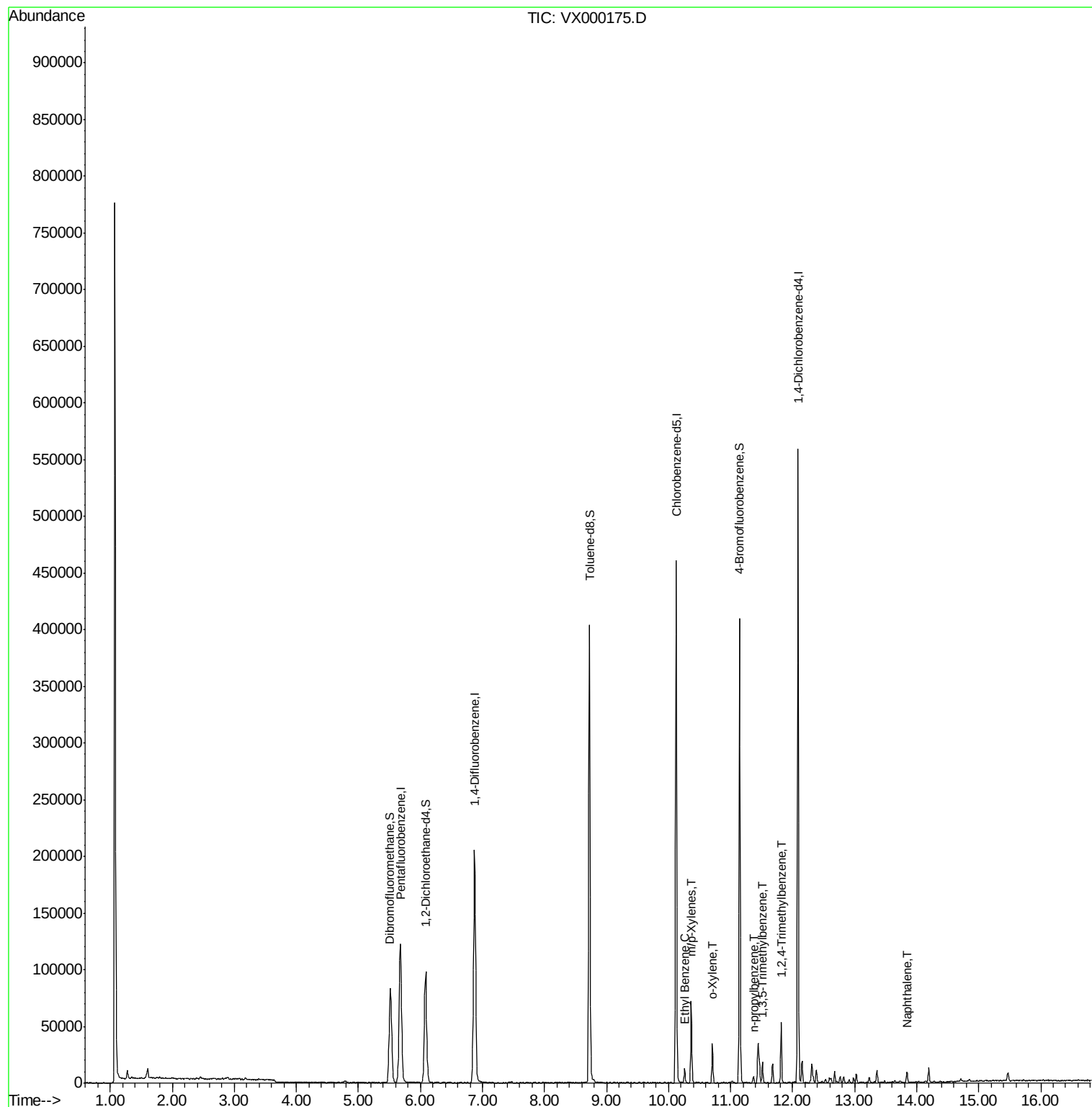
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.68  | 168  | 117707   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 202901   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 199300   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 104820   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.08  | 65   | 90440    | 61.53 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 123.06% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 66253    | 51.74 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.48% |          |
| 50) Toluene-d8              | 8.73  | 98   | 243849   | 48.27 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.54%  |          |
| 62) 4-Bromofluorobenzene    | 11.15 | 95   | 94027    | 47.47 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.94%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 67) Ethyl Benzene           | 10.26 | 91   | 6957     | 0.98  | ug/l    | 96       |
| 68) m/p-Xylenes             | 10.37 | 106  | 15689    | 5.61  | ug/l    | 97       |
| 69) o-Xylene                | 10.71 | 106  | 7502     | 2.78  | ug/l    | 99       |
| 78) n-propylbenzene         | 11.37 | 91   | 3089     | 0.39  | ug/l    | 89       |
| 80) 1,3,5-Trimethylbenzene  | 11.51 | 105  | 7732     | 1.38  | ug/l    | 91       |
| 84) 1,2,4-Trimethylbenzene  | 11.82 | 105  | 22145    | 3.80  | ug/l    | 93       |
| 95) Naphthalene             | 13.85 | 128  | 5346     | 0.62  | ug/l    | 98       |

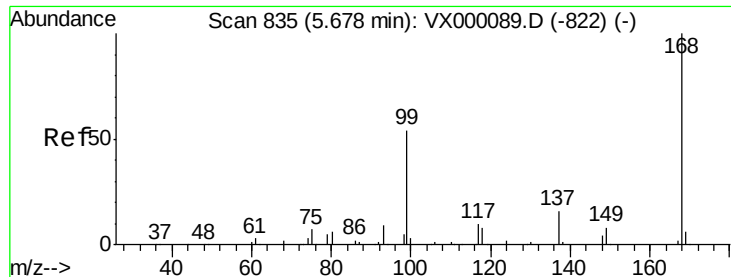
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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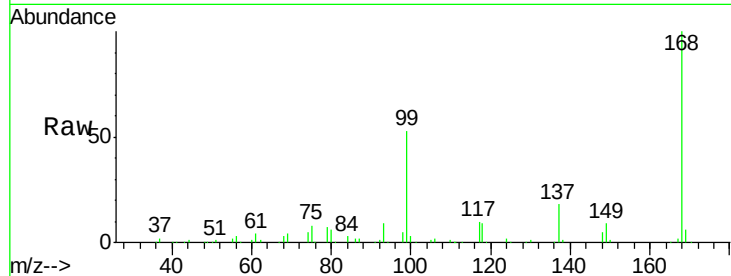




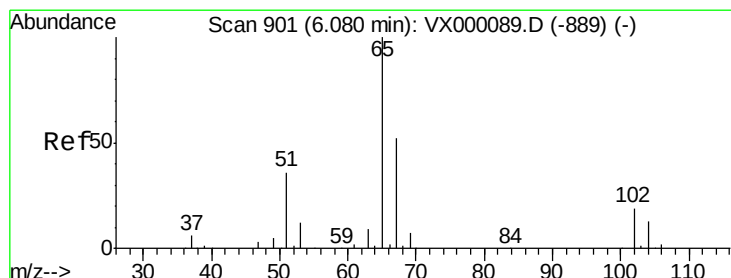
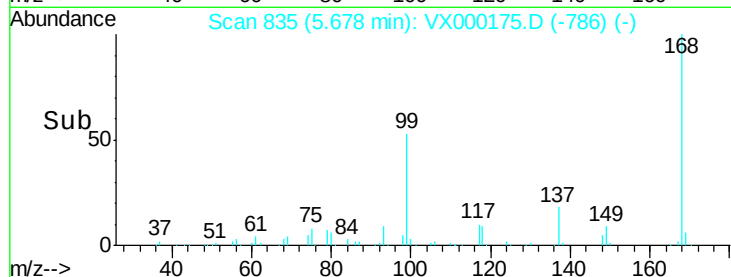
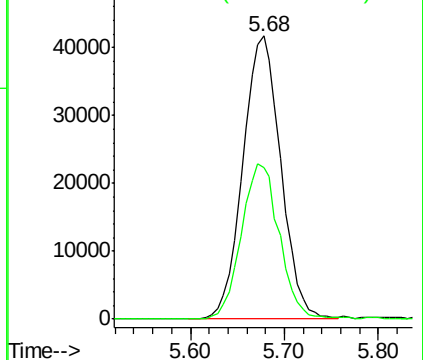
#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.68 min Scan# 835  
Delta R.T. -0.00 min  
Lab File: VX000175.D  
Acq: 28 Feb 2018 18:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
RFK-RMAB-MW13-GW

Tot Ion:168 Resp: 117707  
Ion Ratio Lower Upper  
168 100  
99 53.4 43.1 64.7

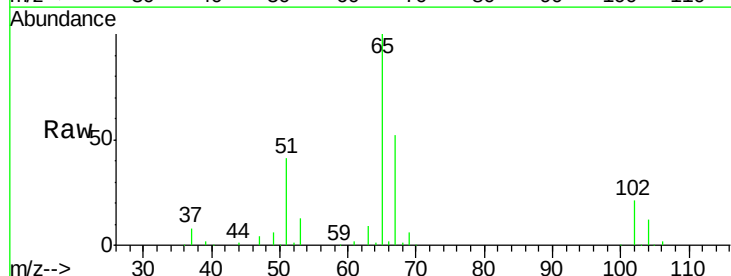


Abundance Ion 167.90 (167.60 to 168.60): V  
Ion 98.90 (98.60 to 99.60): VX0

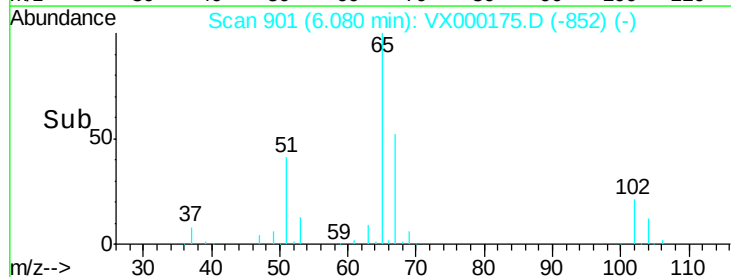
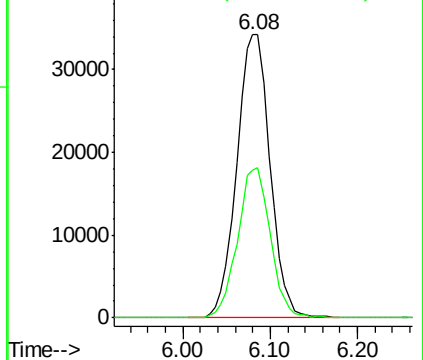


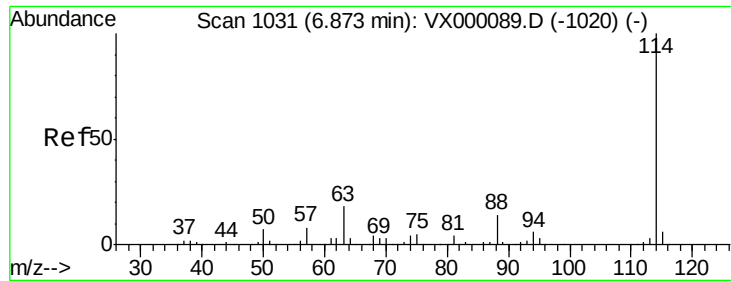
#33  
1,2-Dichloroethane-d4  
Concen: 61.53 ug/l  
RT: 6.08 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: VX000175.D  
Acq: 28 Feb 2018 18:49

Tgt Ion: 65 Resp: 90440  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0  
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

Instrument :

MSVOA\_X

ClientSampleId :

RFK-RMAB-MW13-GW

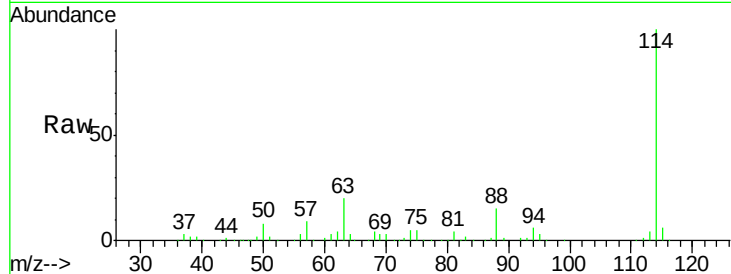
Tot Ion:114 Resp: 202901

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

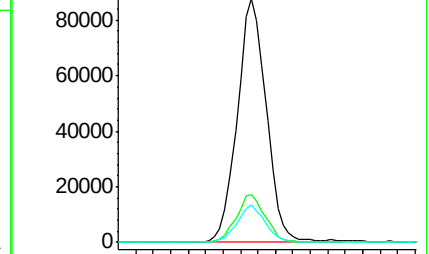
88 15.4 0.0 29.0



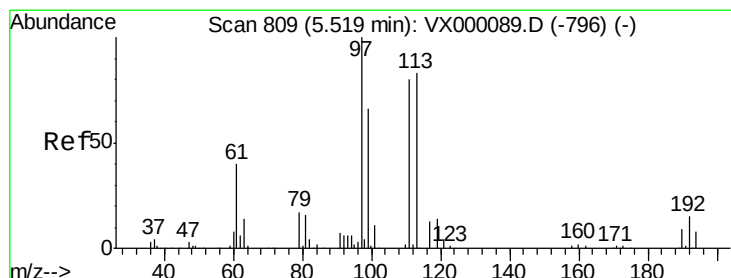
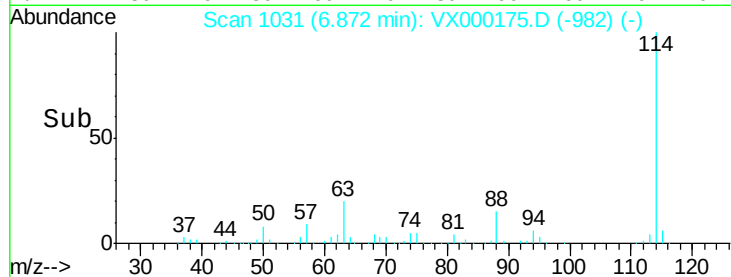
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->



#35

Dibromofluoromethane

Concen: 51.74 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.01 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

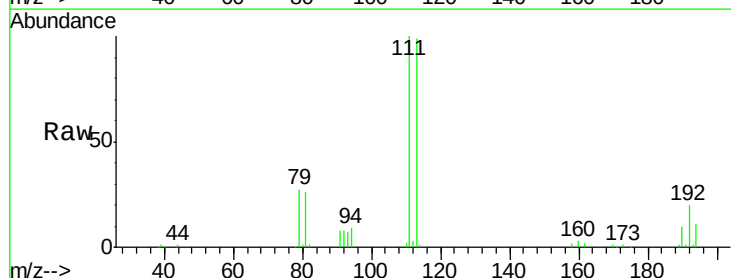
Tgt Ion:113 Resp: 66253

Ion Ratio Lower Upper

113 100

111 100.5 81.0 121.6

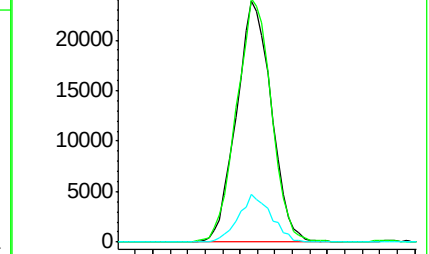
192 18.6 15.7 23.5



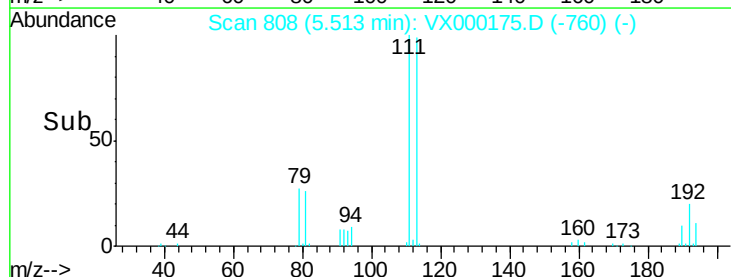
Abundance Ion 112.80 (112.50 to 113.50): V

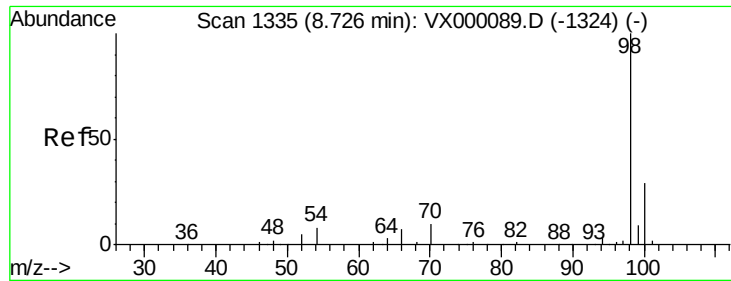
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->

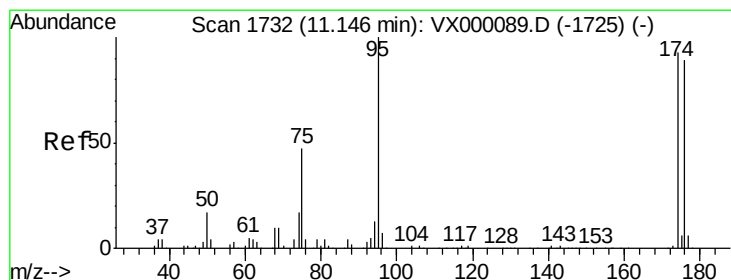
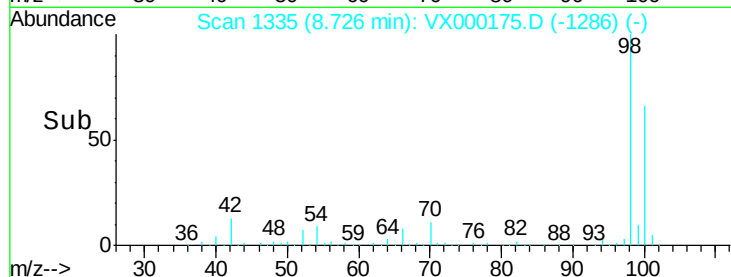
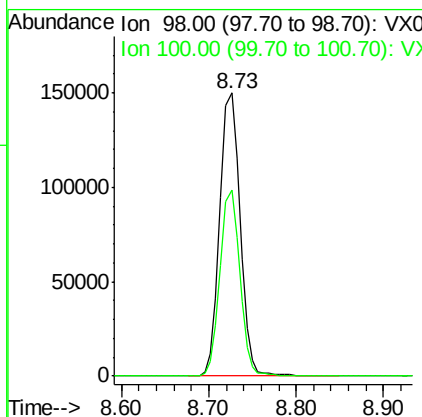
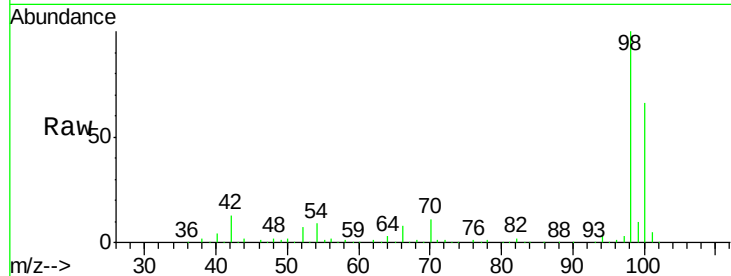




#50  
Toluene-d8  
Concen: 48.27 ug/l  
RT: 8.73 min Scan# 1335  
Delta R.T. -0.00 min  
Lab File: VX000175.D  
Acq: 28 Feb 2018 18:49

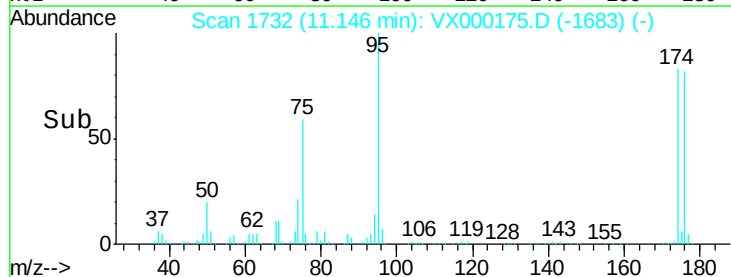
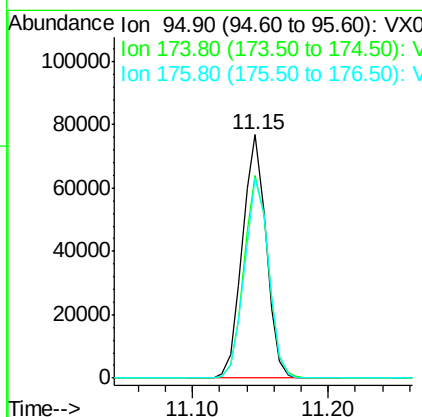
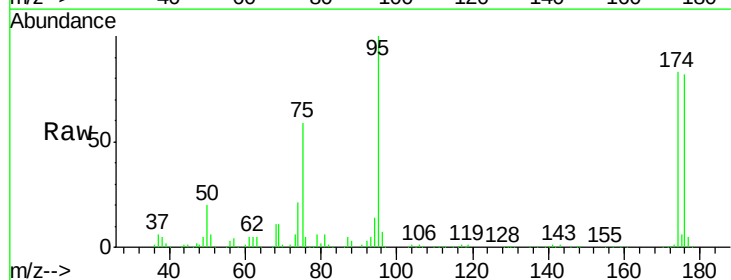
Instrument :  
MSVOA\_X  
ClientSampleId :  
RFK-RMAB-MW13-GW

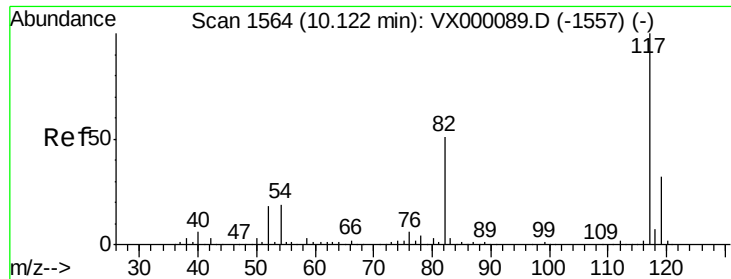
Tot Ion: 98 Resp: 243849  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 47.47 ug/l  
RT: 11.15 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VX000175.D  
Acq: 28 Feb 2018 18:49

Tgt Ion: 95 Resp: 94027  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 187.8  
176 83.5 0.0 181.2

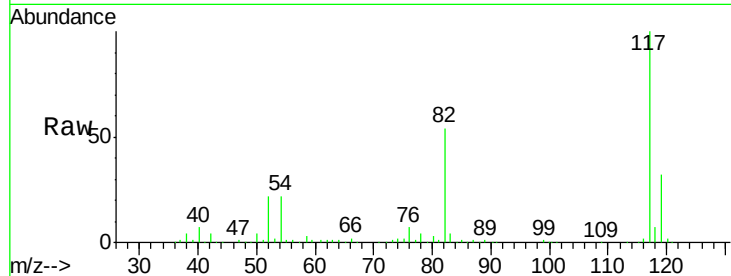




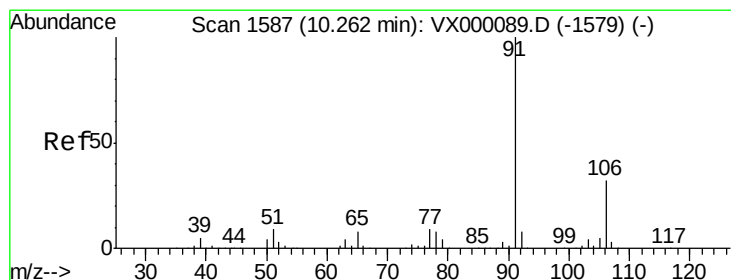
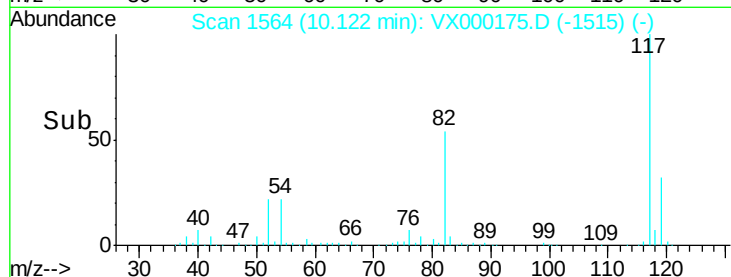
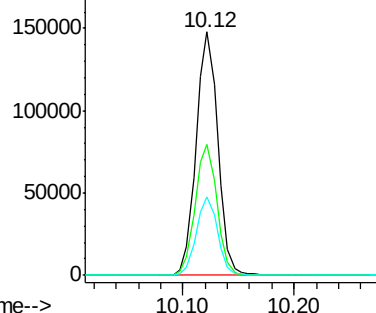
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000175.D  
Acq: 28 Feb 2018 18:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
RFK-RMAB-MW13-GW

Tot Ion:117 Resp: 199300  
Ion Ratio Lower Upper  
117 100  
82 53.8 41.0 61.6  
119 32.4 25.5 38.3

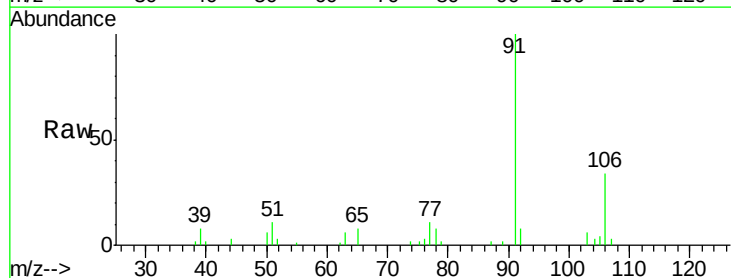


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

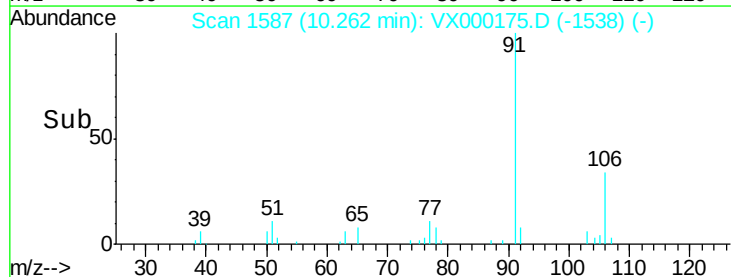
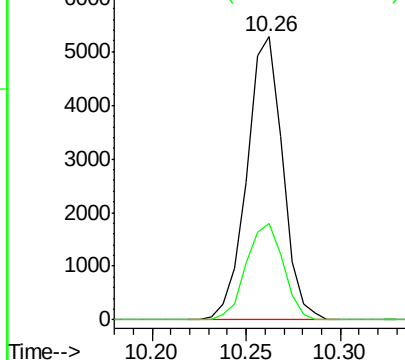


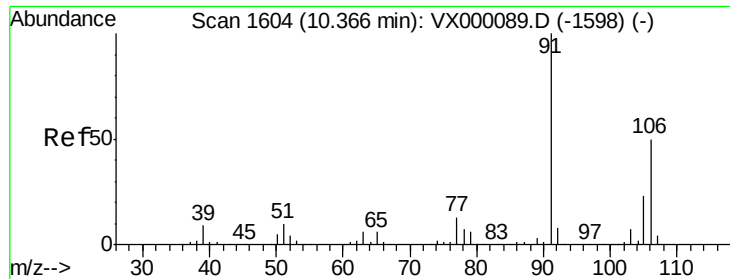
#67  
Ethyl Benzene  
Concen: 0.98 ug/l  
RT: 10.26 min Scan# 1587  
Delta R.T. -0.00 min  
Lab File: VX000175.D  
Acq: 28 Feb 2018 18:49

Tgt Ion: 91 Resp: 6957  
Ion Ratio Lower Upper  
91 100  
106 34.2 25.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 106.00 (105.70 to 106.70): V

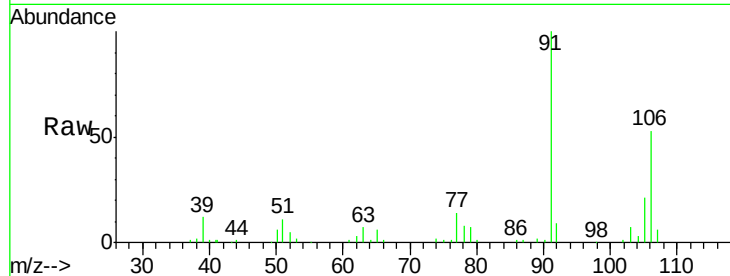




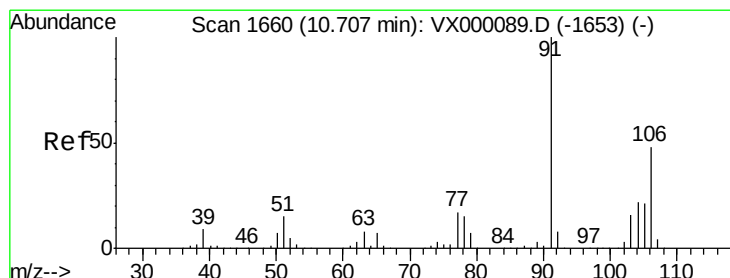
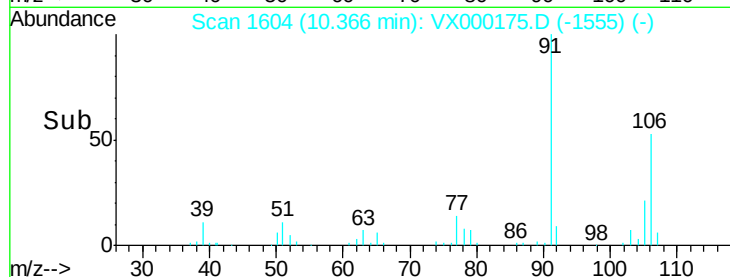
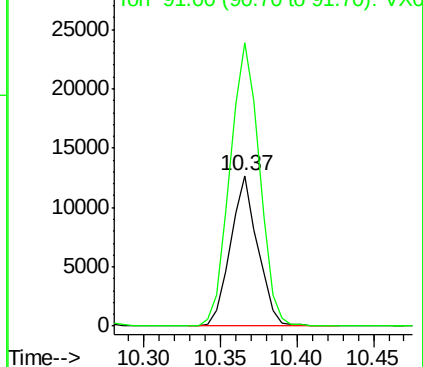
#68  
m/p-Xylenes  
Concen: 5.61 ug/l  
RT: 10.37 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VX000175.D  
Acq: 28 Feb 2018 18:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
RFK-RMAB-MW13-GW

Tot Ion:106 Resp: 15689  
Ion Ratio Lower Upper  
106 100  
91 203.3 159.1 238.7

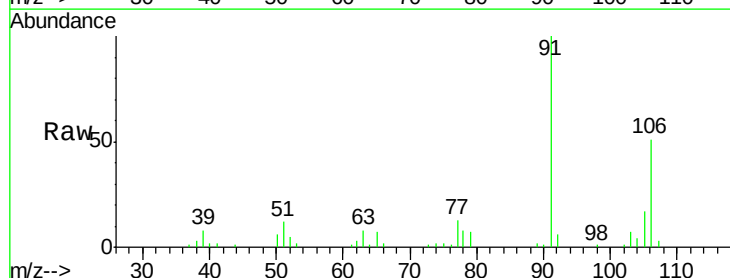


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

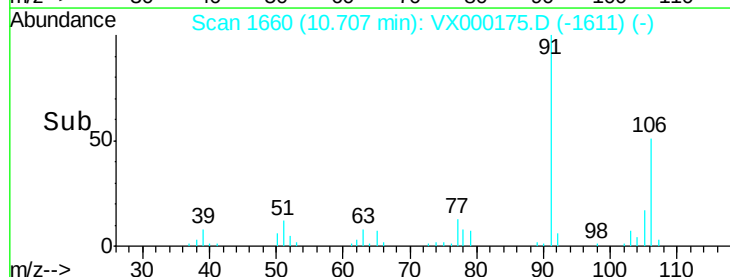
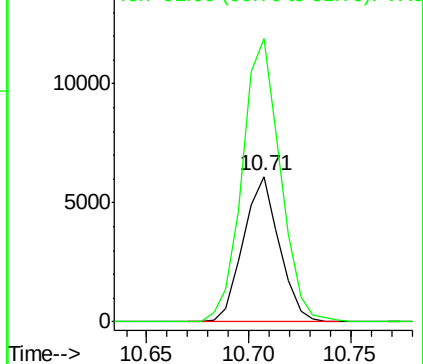


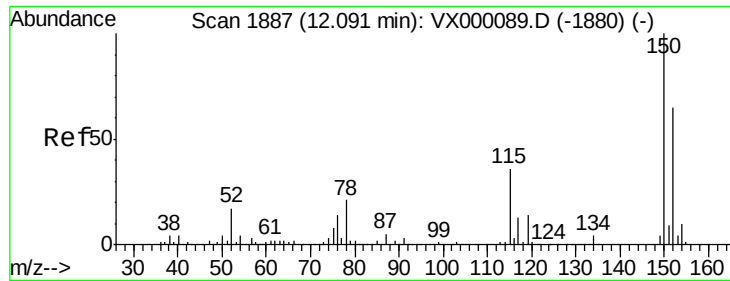
#69  
o-Xylene  
Concen: 2.78 ug/l  
RT: 10.71 min Scan# 1660  
Delta R.T. -0.00 min  
Lab File: VX000175.D  
Acq: 28 Feb 2018 18:49

Tgt Ion:106 Resp: 7502  
Ion Ratio Lower Upper  
106 100  
91 205.6 103.8 311.6



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

Instrument :

MSVOA\_X

ClientSampleId :

RFK-RMAB-MW13-GW

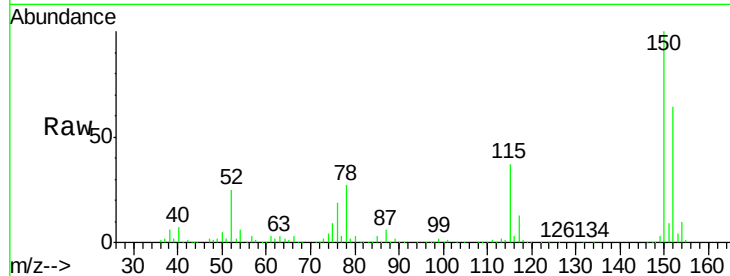
Tot Ion:152 Resp: 104820

Ion Ratio Lower Upper

152 100

115 57.8 39.1 117.2

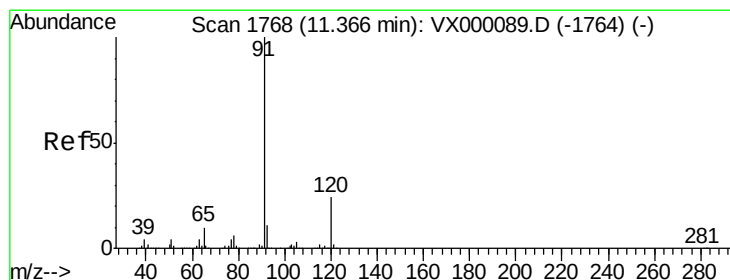
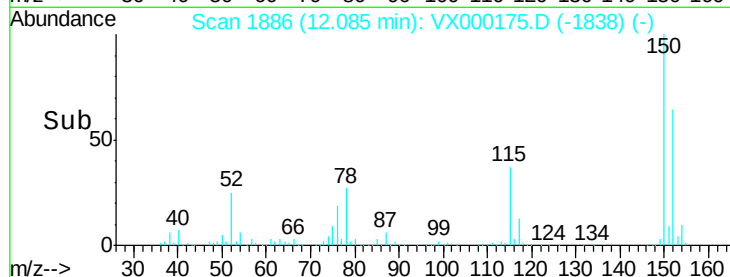
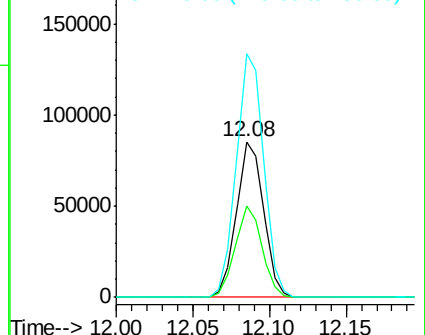
150 158.1 0.0 348.2



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: 0.39 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000175.D

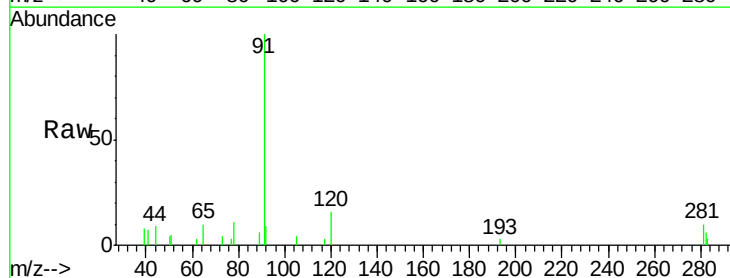
Acq: 28 Feb 2018 18:49

Tgt Ion: 91 Resp: 3089

Ion Ratio Lower Upper

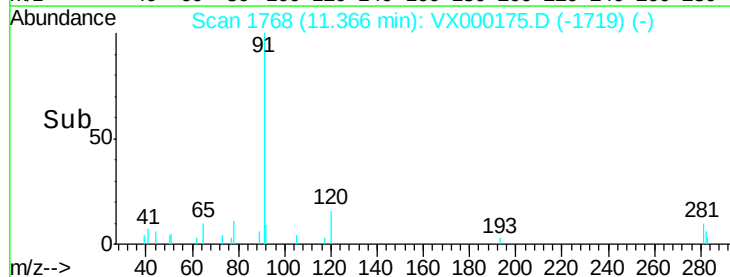
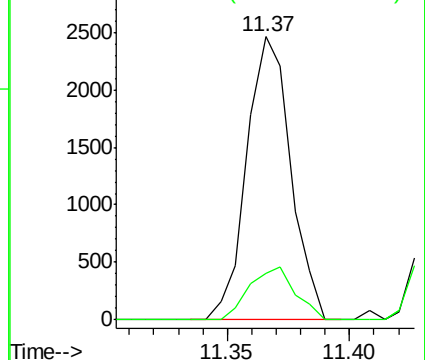
91 100

120 19.3 12.3 36.9

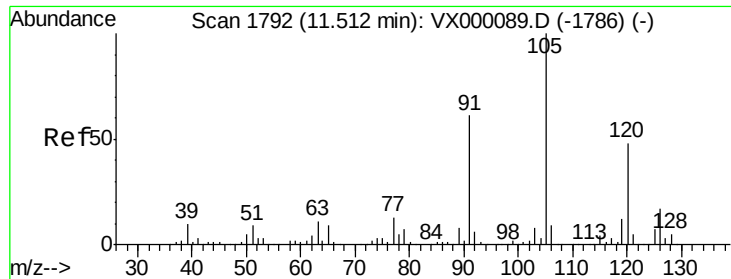


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



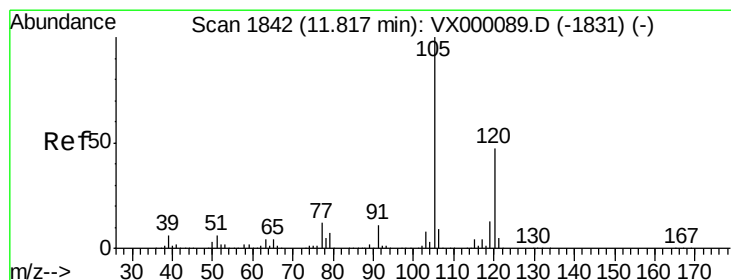
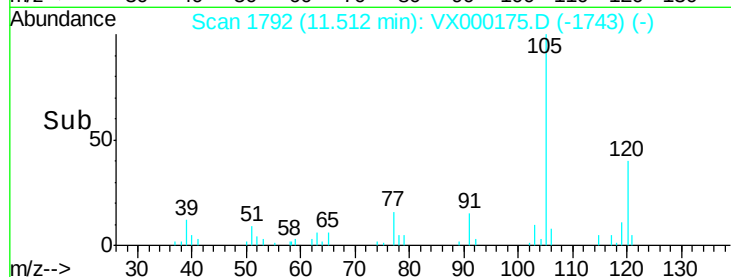
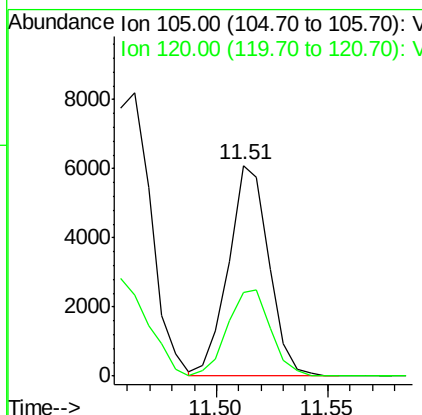
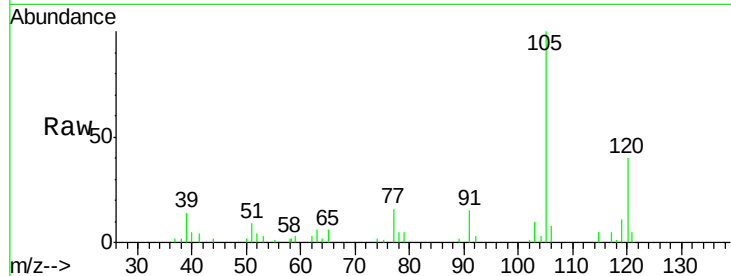




#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.38 ug/l  
 RT: 11.51 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX000175.D  
 Acq: 28 Feb 2018 18:49

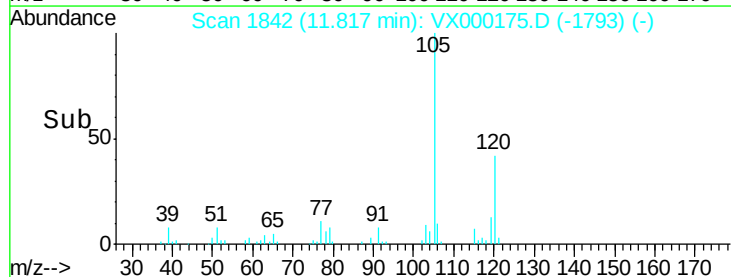
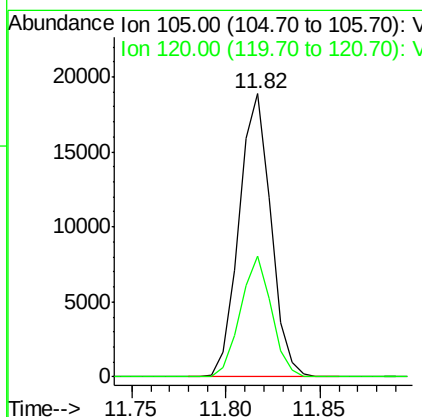
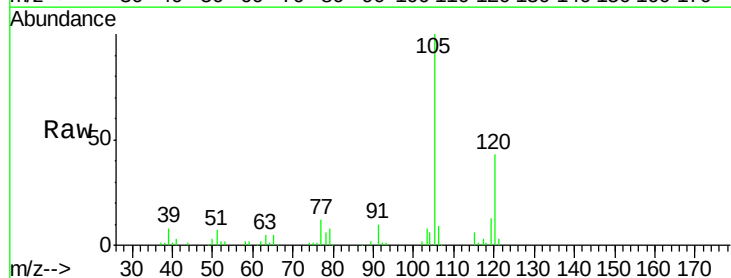
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RFK-RMAB-MW13-GW

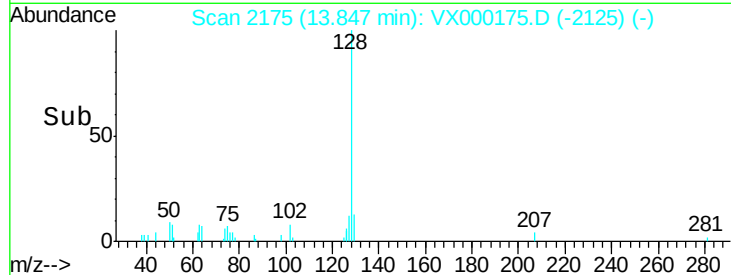
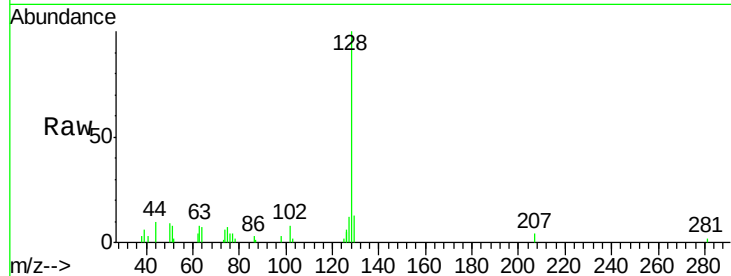
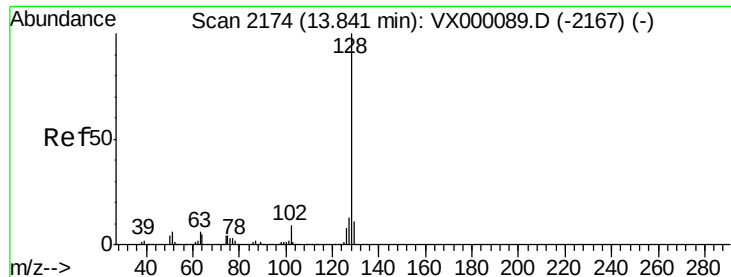
Tot Ion:105 Resp: 7732  
 Ion Ratio Lower Upper  
 105 100  
 120 43.4 24.9 74.6



#84  
 1,2,4-Trimethylbenzene  
 Concen: 3.80 ug/l  
 RT: 11.82 min Scan# 1842  
 Delta R.T. -0.00 min  
 Lab File: VX000175.D  
 Acq: 28 Feb 2018 18:49

Tgt Ion:105 Resp: 22145  
 Ion Ratio Lower Upper  
 105 100  
 120 41.6 23.1 69.2





#95

Naphthalene

Concen: 0.62 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000175.D

Acq: 28 Feb 2018 18:49

Instrument :

MSVOA\_X

ClientSampleId :

RFK-RMAB-MW13-GW

Tot Ion:128 Resp: 5346

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 12.1 8.7 13.1

