

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX120718\  
 Data File : VX006351.D  
 Acq On : 07 Dec 2018 16:58  
 Operator : JC/MD  
 Sample : J6252-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-CPMW10S-M16W4-11-27-18

Quant Time: Dec 10 10:04:03 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 30 03:55:33 2018  
 Response via : Initial Calibration

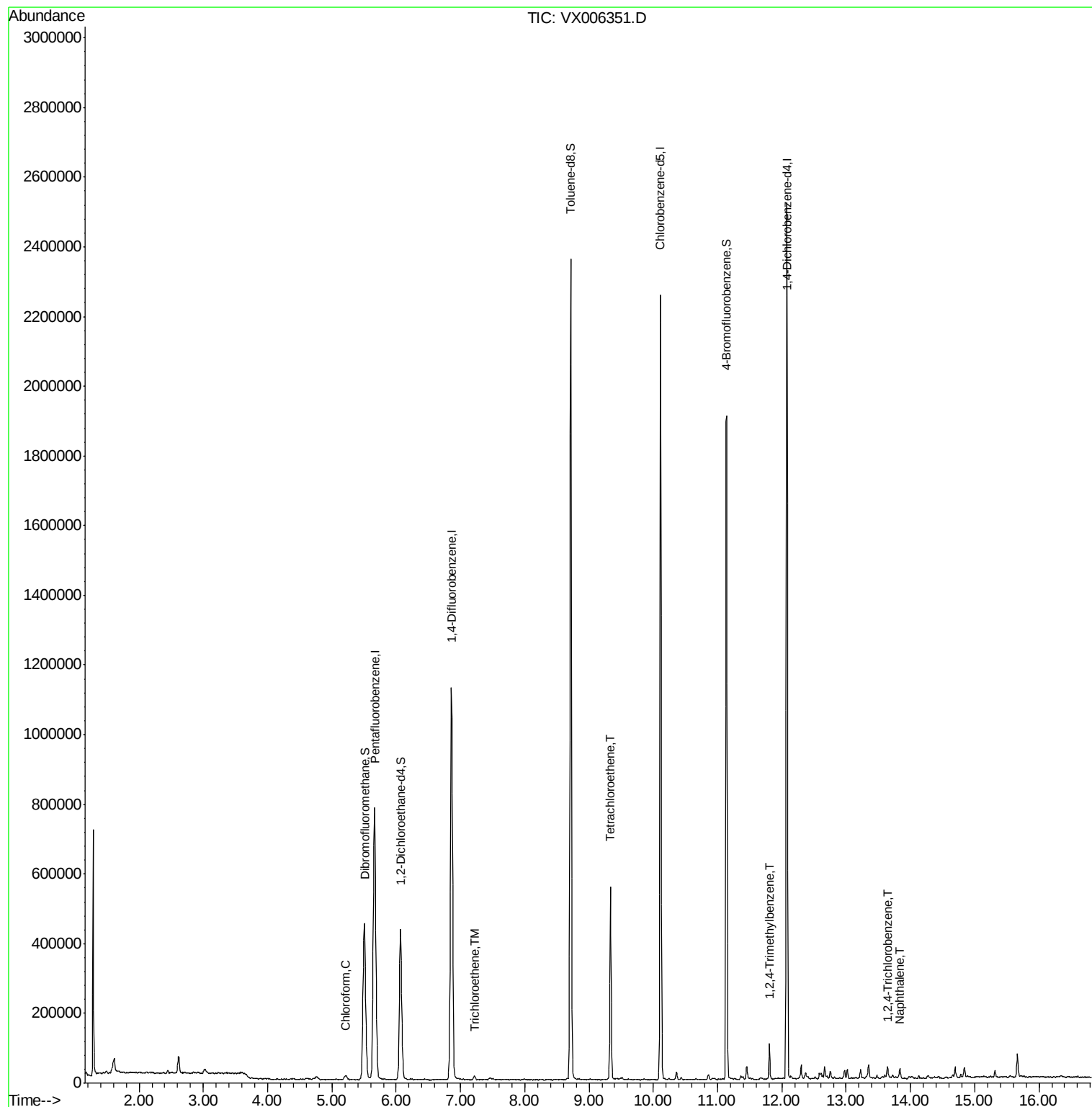
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 833842   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 1239879  | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 1117964  | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 556249   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 403751   | 47.43  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.86% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 387498   | 48.27  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.54% |          |
| 50) Toluene-d8              | 8.71  | 98   | 1429908  | 48.97  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.94% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 533037   | 48.44  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.88% |          |
| Target Compounds            |       |      |          |        |        |          |
| 30) Chloroform              | 5.21  | 83   | 14062    | 1.006  | ug/l   | 92       |
| 44) Trichloroethene         | 7.21  | 130  | 4896     | 0.517  | ug/l   | 85       |
| 64) Tetrachloroethene       | 9.34  | 164  | 109807   | 13.042 | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene  | 11.80 | 105  | 47617    | 1.443  | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene  | 13.65 | 180  | 6452     | 0.470  | ug/l   | 95       |
| 95) Naphthalene             | 13.83 | 128  | 19696    | 0.461  | ug/l # | 97       |

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

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CPA-CPMW10S-M16W4-11-27-18

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 30 03:55:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

Instrument :

MSVOA\_X

ClientSampleId :

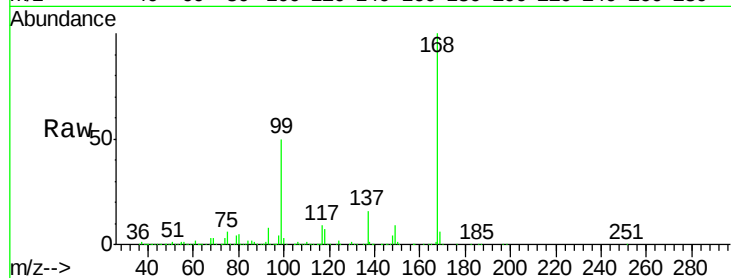
CPA-CPMW10S-M16W4-11-27-18

Tgt Ion:168 Resp: 833842

Ion Ratio Lower Upper

168 100

99 50.0 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

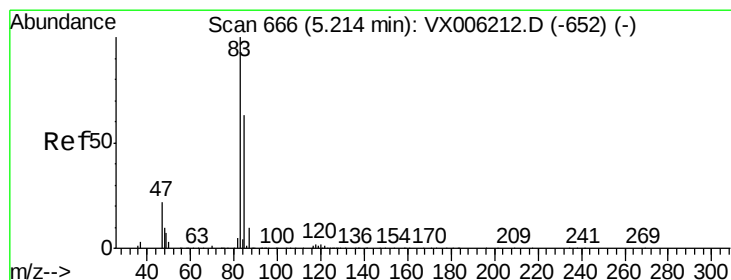
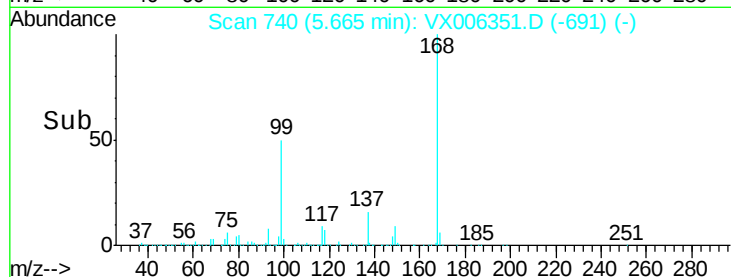
300000

200000

100000

0

Time-->



#30

Chloroform

Concen: 1.006 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006351.D

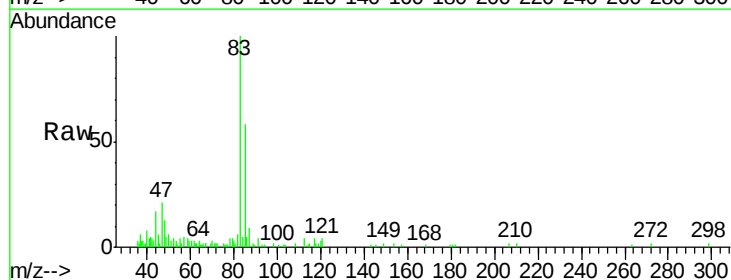
Acq: 07 Dec 2018 16:58

Tgt Ion: 83 Resp: 14062

Ion Ratio Lower Upper

83 100

85 56.6 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.21

5000

4000

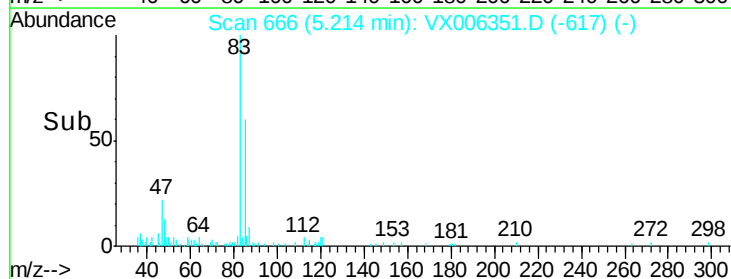
3000

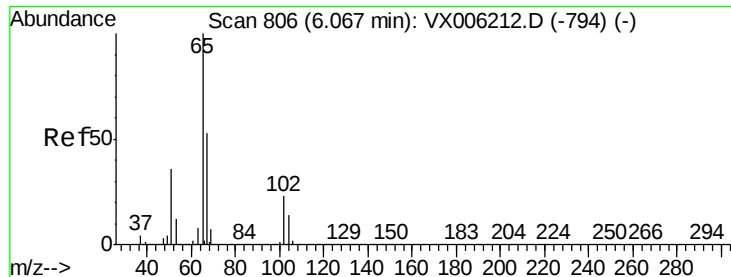
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.432 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

Instrument :

MSVOA\_X

ClientSampleId :

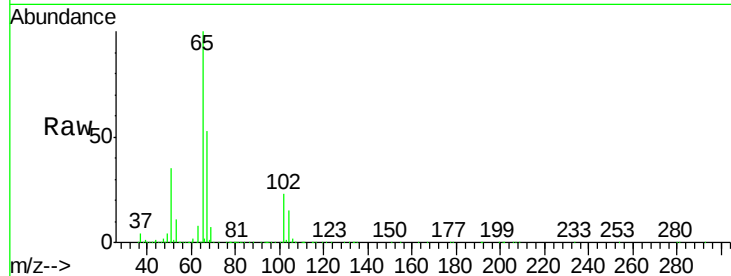
CPA-CPMW10S-M16W4-11-27-18

Tgt Ion: 65 Resp: 403751

Ion Ratio Lower Upper

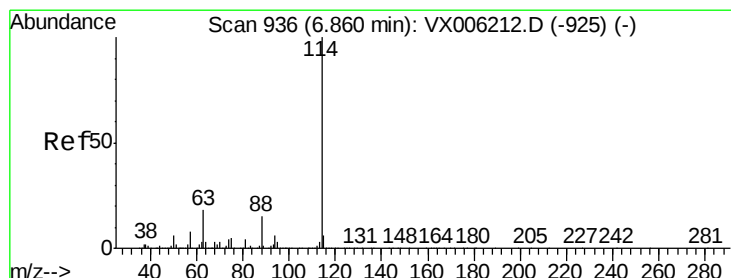
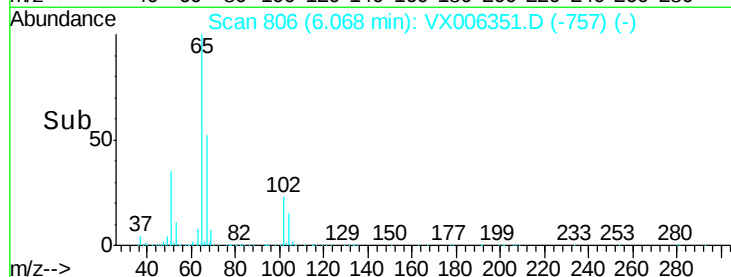
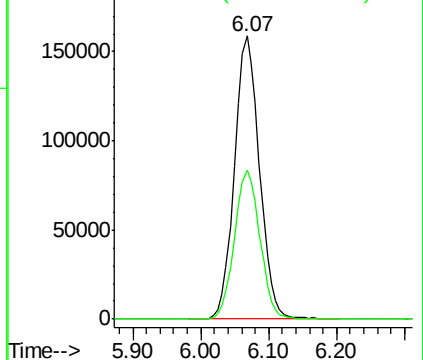
65 100

67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

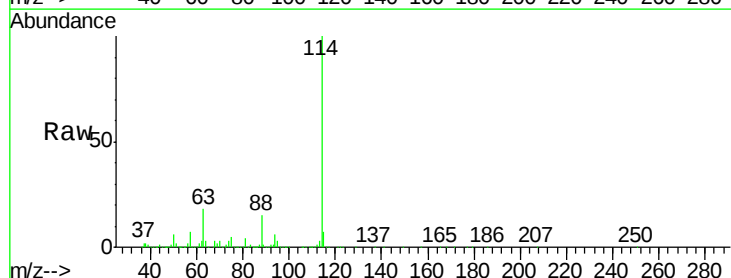
Tgt Ion: 114 Resp: 1239879

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

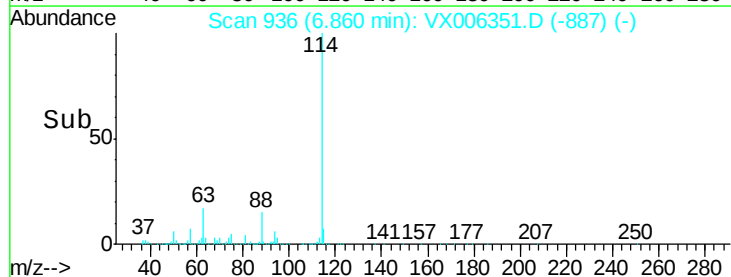
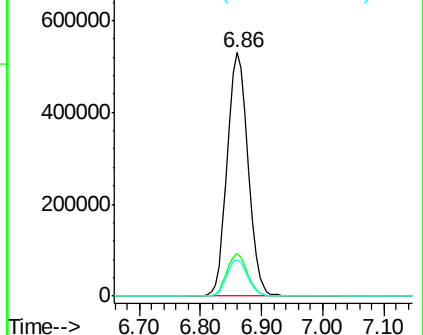
88 15.1 0.0 29.0

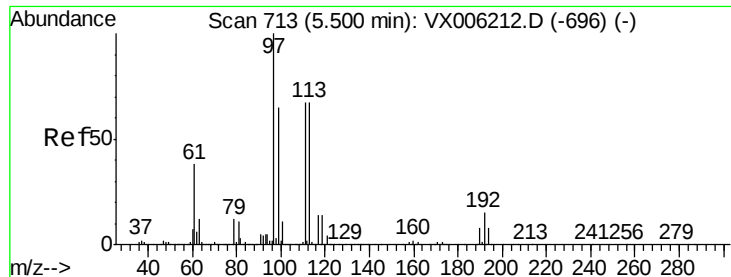


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.270 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

Instrument :

MSVOA\_X

ClientSampleId :

CPA-CPMW10S-M16W4-11-27-18

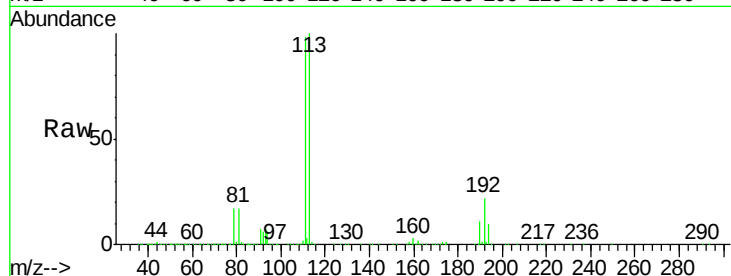
Tgt Ion:113 Resp: 387498

Ion Ratio Lower Upper

113 100

111 101.5 81.1 121.7

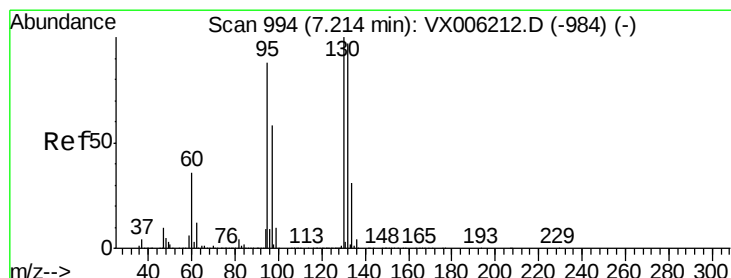
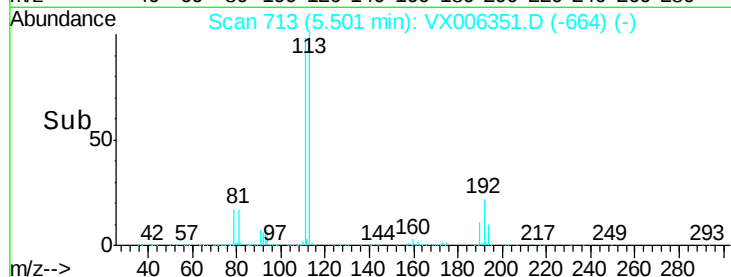
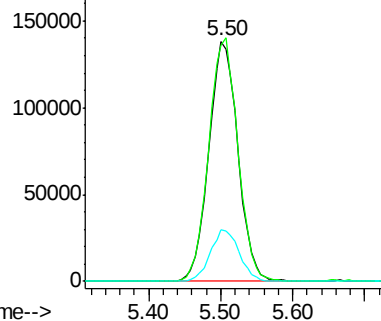
192 21.4 18.2 27.2



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



#44

Trichloroethene

Concen: 0.517 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006351.D

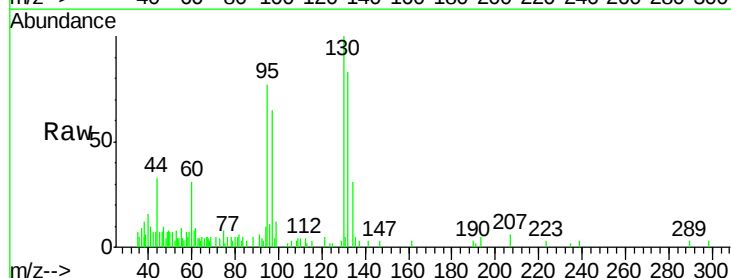
Acq: 07 Dec 2018 16:58

Tgt Ion:130 Resp: 4896

Ion Ratio Lower Upper

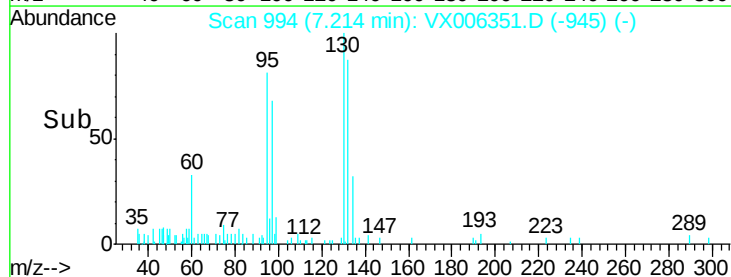
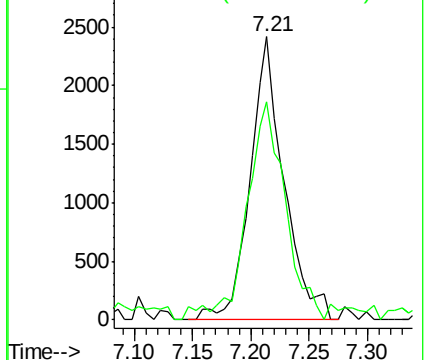
130 100

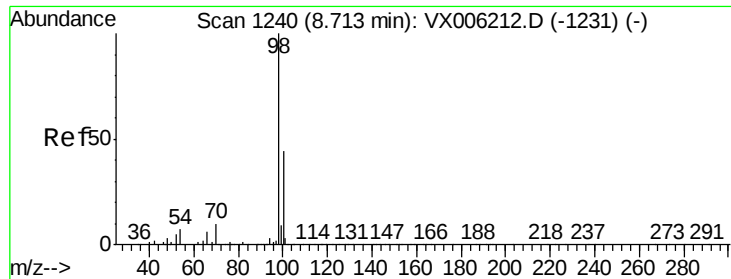
95 73.7 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

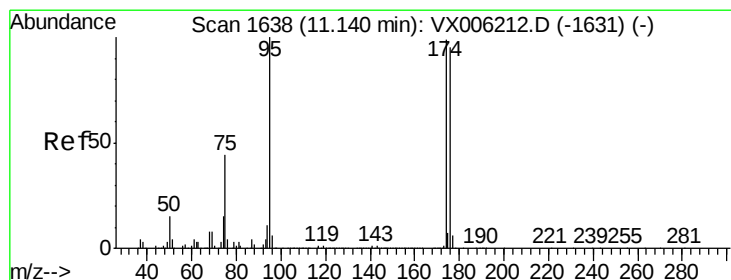
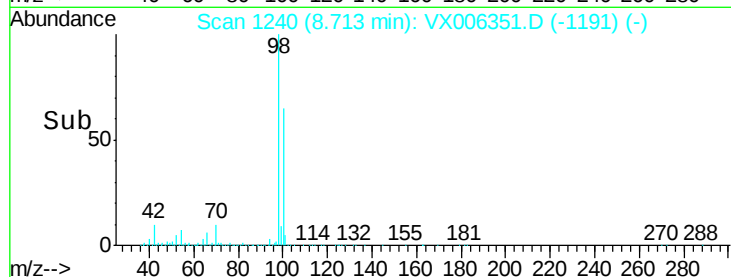
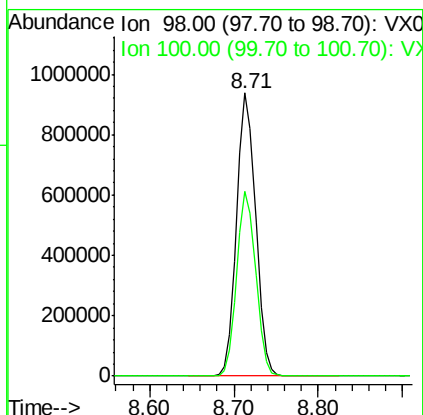
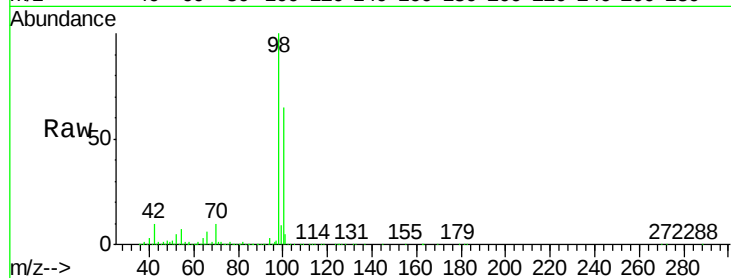




#50  
Toluene-d8  
Concen: 48.969 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX006351.D  
Acq: 07 Dec 2018 16:58

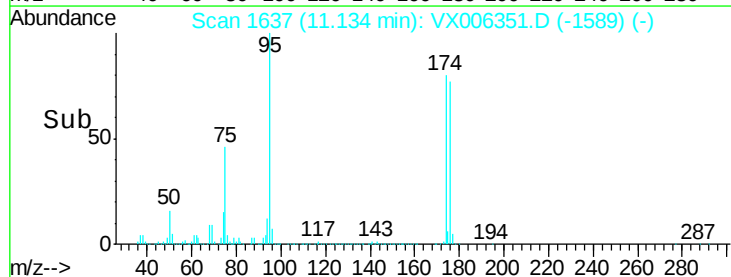
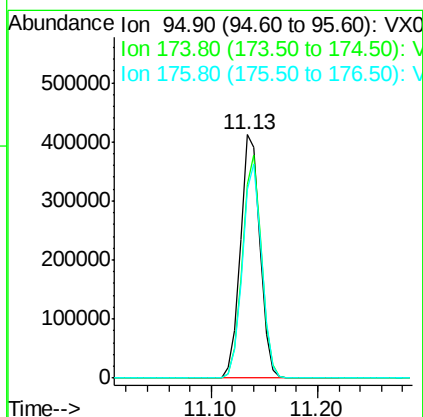
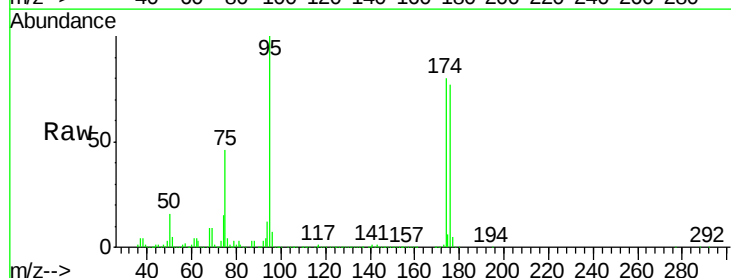
Instrument :  
MSVOA\_X  
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CPA-CPMW10S-M16W4-11-27-18

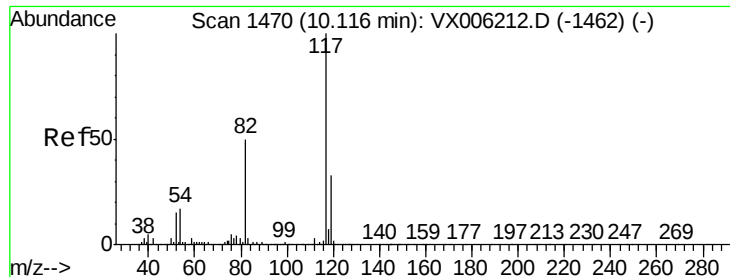
Tgt Ion: 98 Resp: 1429908  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 48.443 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.01 min  
Lab File: VX006351.D  
Acq: 07 Dec 2018 16:58

Tgt Ion: 95 Resp: 533037  
Ion Ratio Lower Upper  
95 100  
174 89.0 0.0 187.0  
176 86.5 0.0 181.8

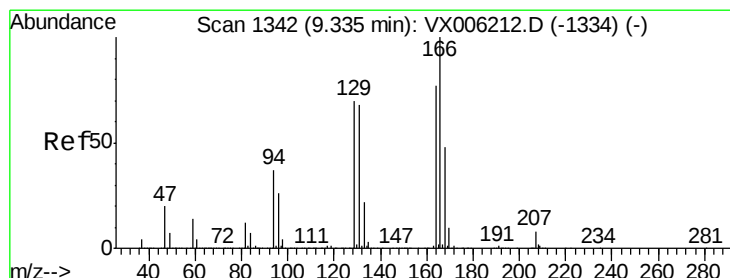
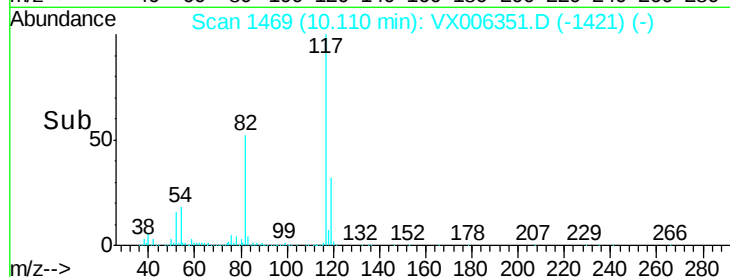
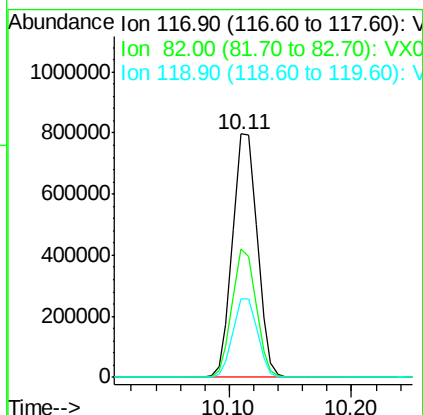
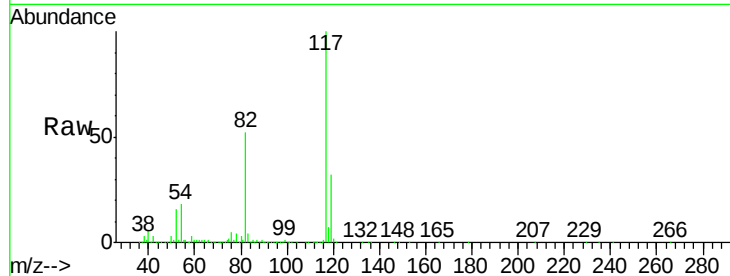




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VX006351.D  
Acq: 07 Dec 2018 16:58

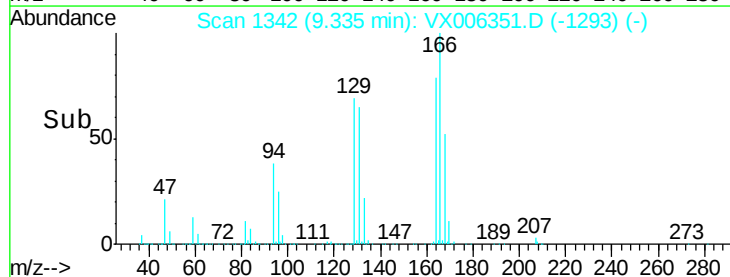
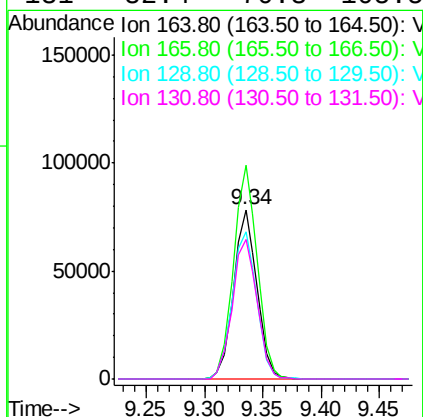
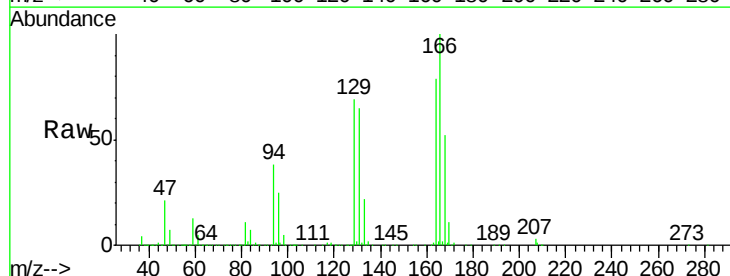
Instrument :  
MSVOA\_X  
ClientSampleId :  
CPA-CPMW10S-M16W4-11-27-18

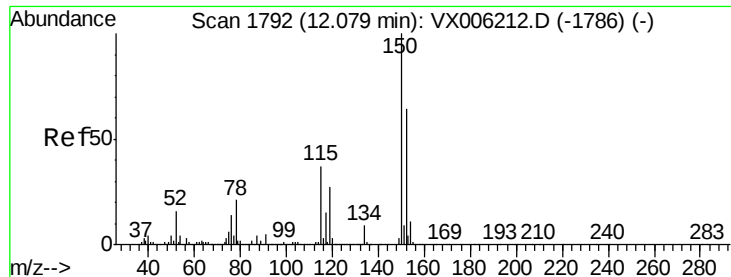
Tgt Ion:117 Resp: 1117964  
Ion Ratio Lower Upper  
117 100  
82 52.5 39.6 59.4  
119 32.3 26.3 39.5



#64  
Tetrachloroethene  
Concen: 13.042 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX006351.D  
Acq: 07 Dec 2018 16:58

Tgt Ion:164 Resp: 109807  
Ion Ratio Lower Upper  
164 100  
166 126.2 104.2 156.2  
129 87.1 72.6 108.8  
131 82.4 70.3 105.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

Instrument :

MSVOA\_X

ClientSampleId :

CPA-CPMW10S-M16W4-11-27-18

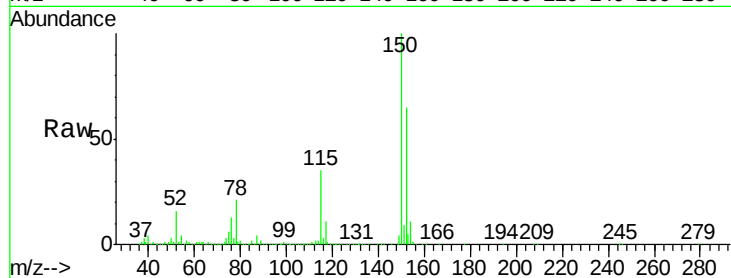
Tgt Ion:152 Resp: 556249

Ion Ratio Lower Upper

152 100

115 55.3 39.0 116.9

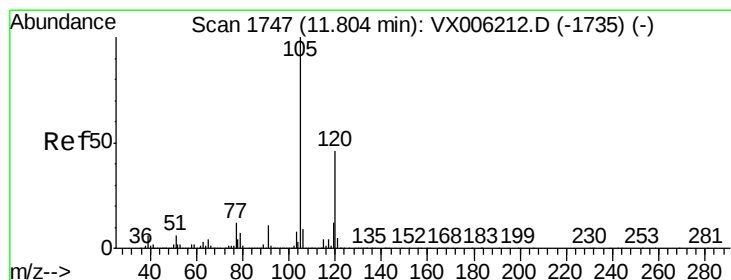
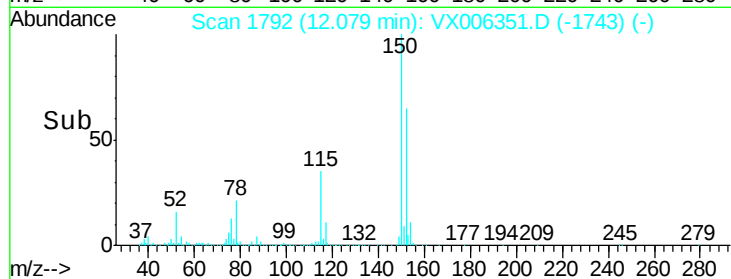
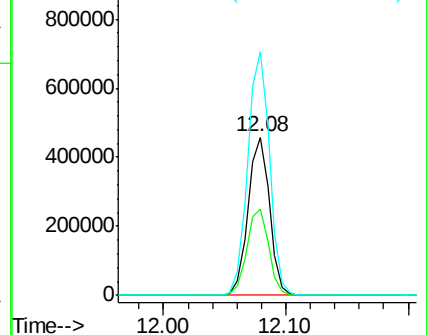
150 156.3 0.0 345.8



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



#84

1,2,4-Trimethylbenzene

Concen: 1.443 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006351.D

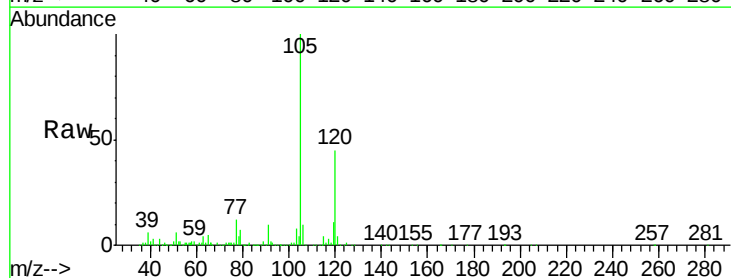
Acq: 07 Dec 2018 16:58

Tgt Ion:105 Resp: 47617

Ion Ratio Lower Upper

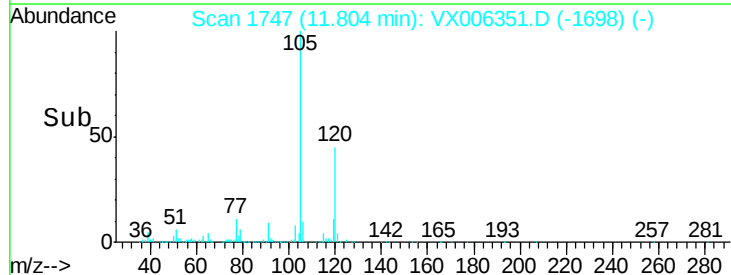
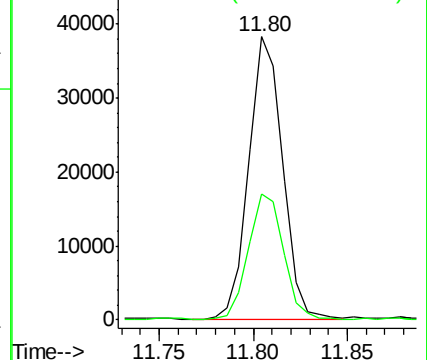
105 100

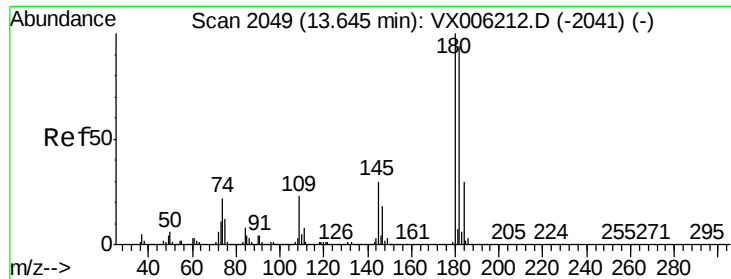
120 46.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

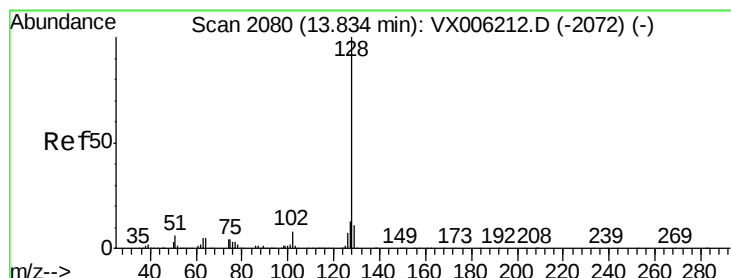
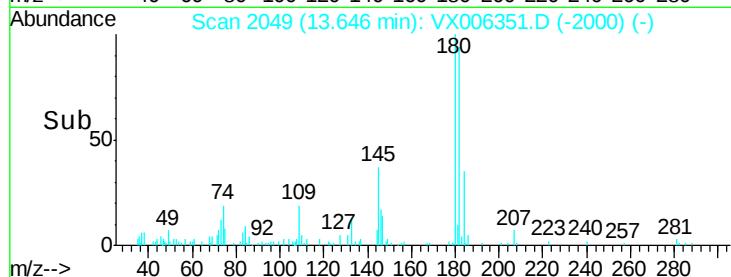
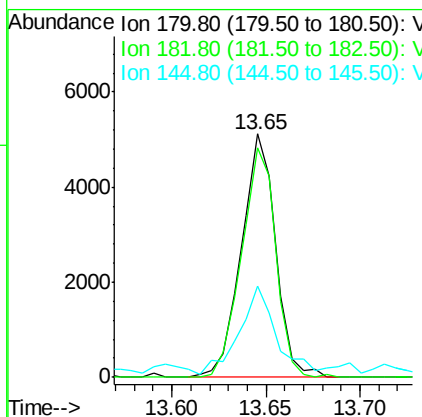
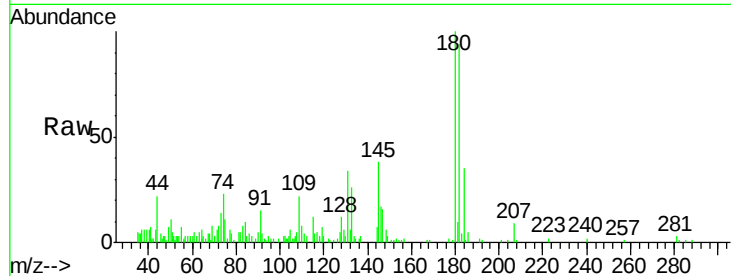




#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.470 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX006351.D  
 Acq: 07 Dec 2018 16:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CPA-CPMW10S-M16W4-11-27-18

Tgt Ion:180 Resp: 6452  
 Ion Ratio Lower Upper  
 180 100  
 182 94.0 47.3 141.9  
 145 40.4 14.6 43.8



#95  
 Naphthalene  
 Concen: 0.461 ug/l  
 RT: 13.83 min Scan# 2080  
 Delta R.T. 0.00 min  
 Lab File: VX006351.D  
 Acq: 07 Dec 2018 16:58

Tgt Ion:128 Resp: 19696  
 Ion Ratio Lower Upper  
 128 100  
 127 12.9 10.2 15.4  
 129 13.5 8.9 13.3#

