

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
 Data File : VX005985.D  
 Acq On : 14 Nov 2018 20:08  
 Operator : JC/MD  
 Sample : J5921-08DL 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SP-UST-MIDDLEDL

Quant Time: Nov 15 12:10:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 07 14:40:53 2018  
 Response via : Initial Calibration

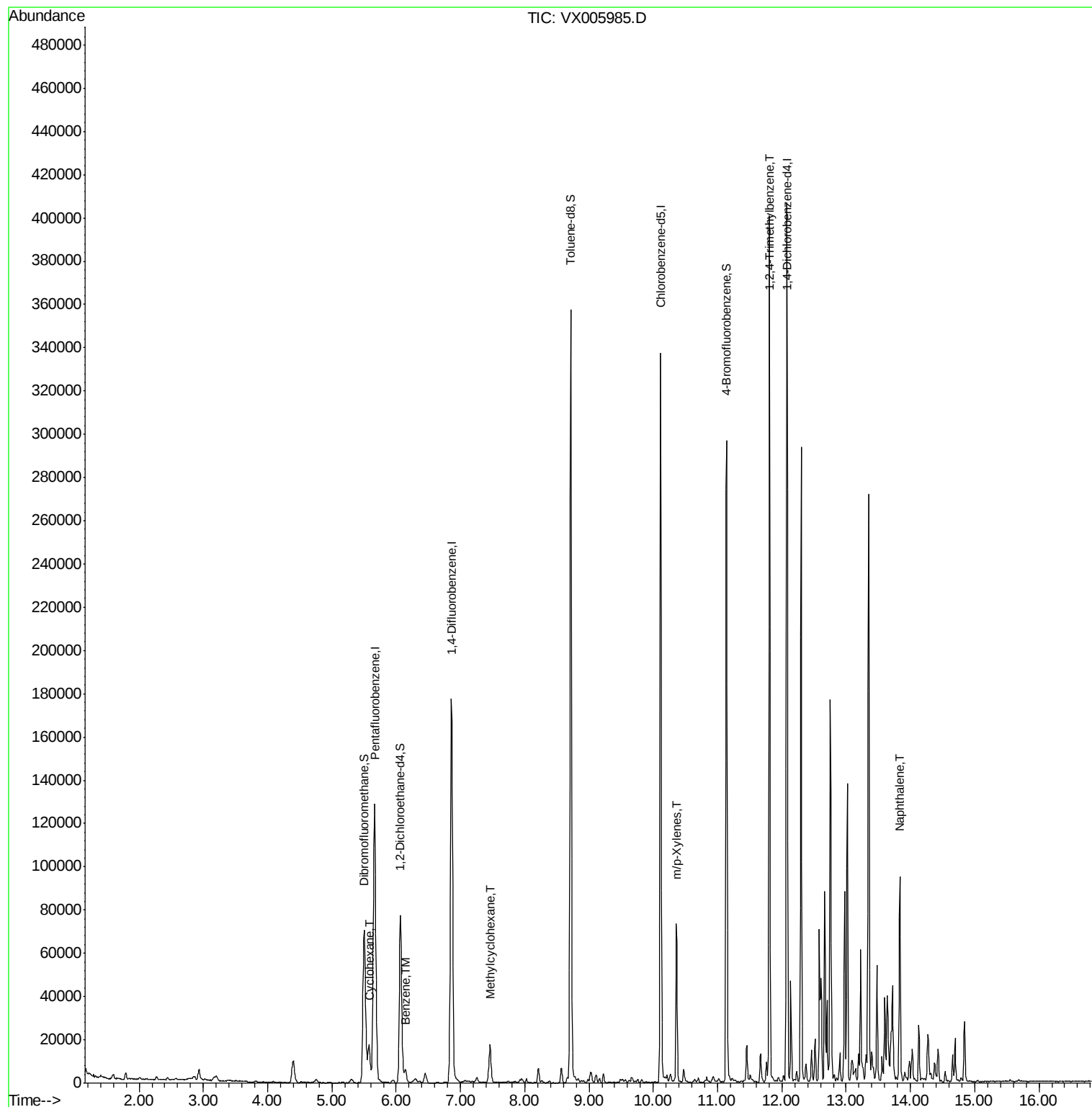
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 125026   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 181834   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 161875   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 83023    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 76553    | 53.26 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.52% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 60975    | 49.30 | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.60%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 216369   | 52.62 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.24% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 77797    | 52.63 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.26% |          |
| Target Compounds            |       |      |          |       |         |          |
| 31) Cyclohexane             | 5.57  | 56   | 10845    | 5.42  | ug/l    | 88       |
| 39) Methylcyclohexane       | 7.46  | 83   | 6910     | 3.89  | ug/l    | 90       |
| 40) Benzene                 | 6.14  | 78   | 6633     | 1.30  | ug/l    | 97       |
| 68) m/p-Xylenes             | 10.36 | 106  | 16243    | 8.19  | ug/l    | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.80 | 105  | 175784   | 39.01 | ug/l    | 99       |
| 95) Naphthalene             | 13.83 | 128  | 56644    | 10.44 | ug/l    | 99       |

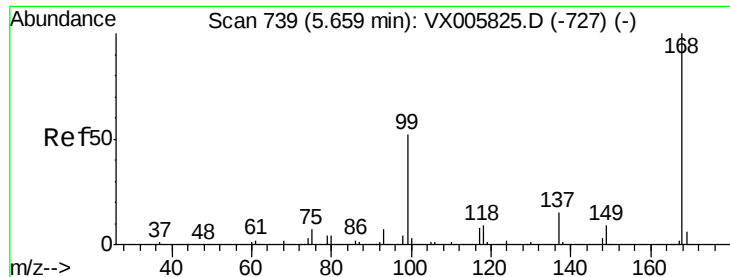
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
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Quant Time: Nov 15 12:10:18 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 07 14:40:53 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005985.D

Acq: 14 Nov 2018 20:08

Instrument :

MSVOA\_X

ClientSampleId :

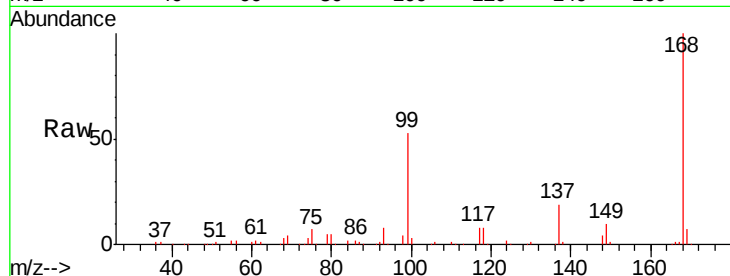
SP-UST-MIDDLEDL

Tgt Ion: 168 Resp: 125026

Ion Ratio Lower Upper

168 100

99 53.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

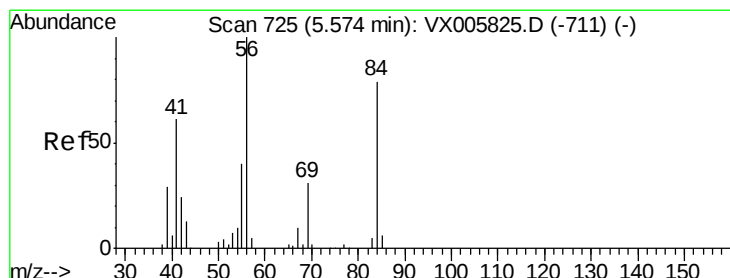
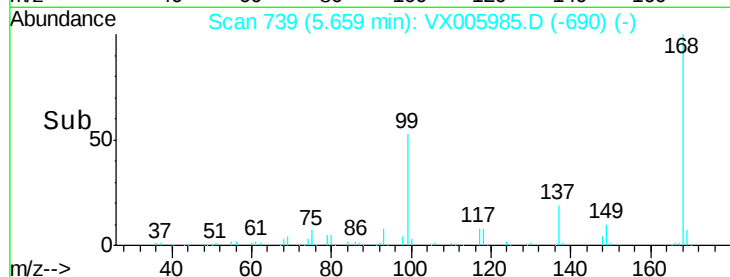
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 5.42 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005985.D

Acq: 14 Nov 2018 20:08

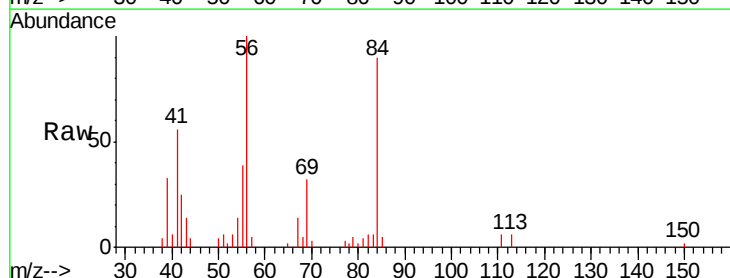
Tgt Ion: 56 Resp: 10845

Ion Ratio Lower Upper

56 100

69 32.1 22.6 34.0

84 90.3 62.7 94.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.57

4000

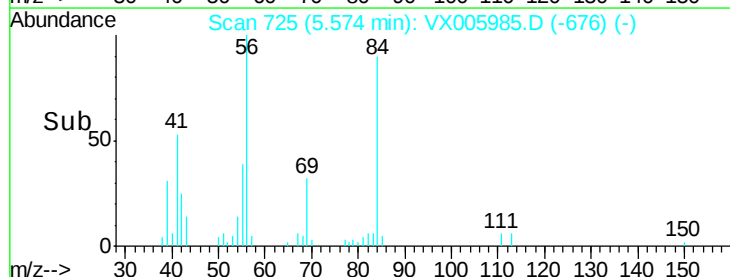
3000

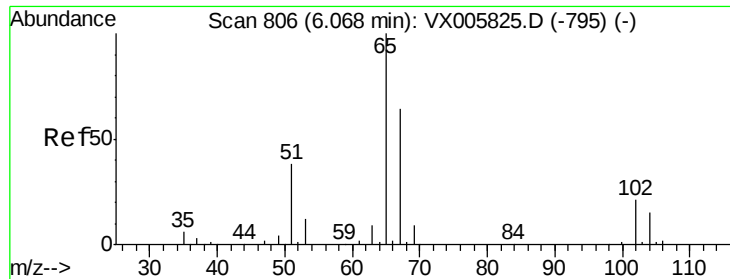
2000

1000

0

Time--> 5.45 5.50 5.55 5.60 5.65





#33

1,2-Dichloroethane-d4

Concen: 53.26 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005985.D

Acq: 14 Nov 2018 20:08

Instrument :

MSVOA\_X

ClientSampleId :

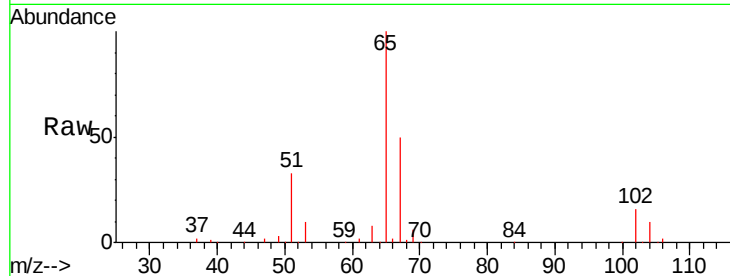
SP-UST-MIDDLEDL

Tgt Ion: 65 Resp: 76553

Ion Ratio Lower Upper

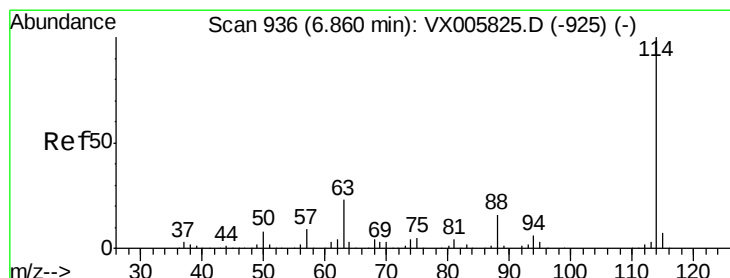
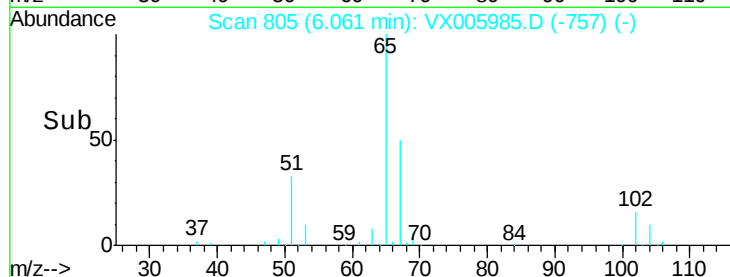
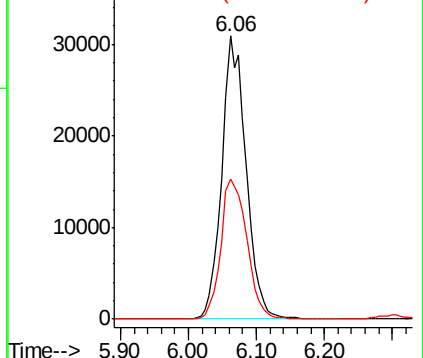
65 100

67 52.8 0.0 105.0



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005985.D

Acq: 14 Nov 2018 20:08

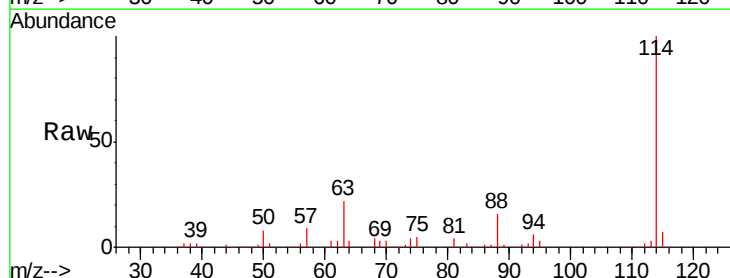
Tgt Ion: 114 Resp: 181834

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.8

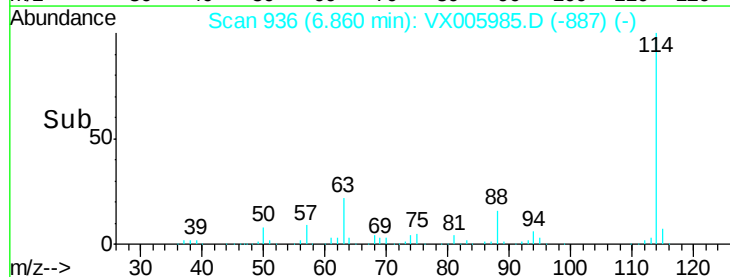
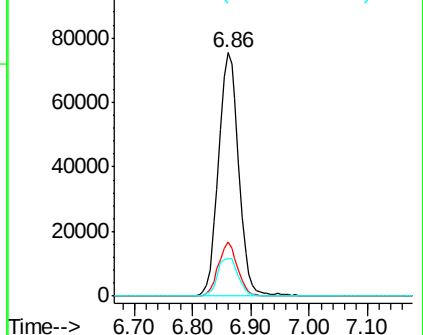
88 15.7 0.0 31.2

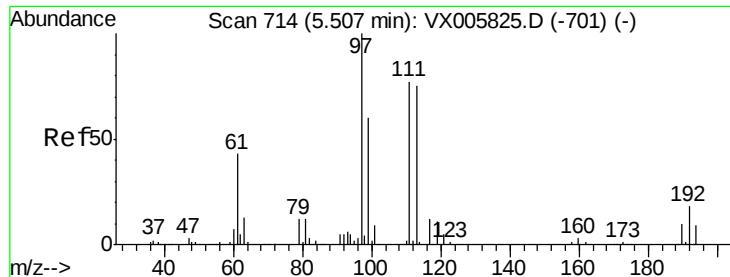


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.30 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005985.D

Acq: 14 Nov 2018 20:08

Instrument :

MSVOA\_X

ClientSampleId :

SP-UST-MIDDLEDL

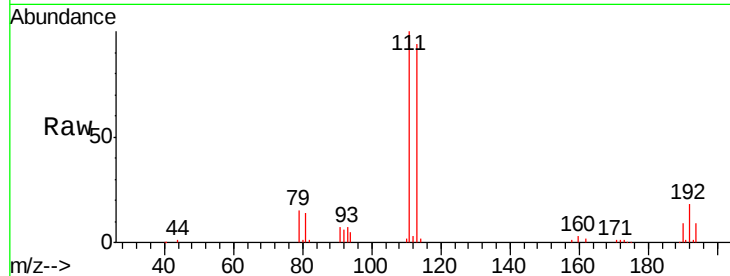
Tgt Ion:113 Resp: 60975

Ion Ratio Lower Upper

113 100

111 104.9 82.3 123.5

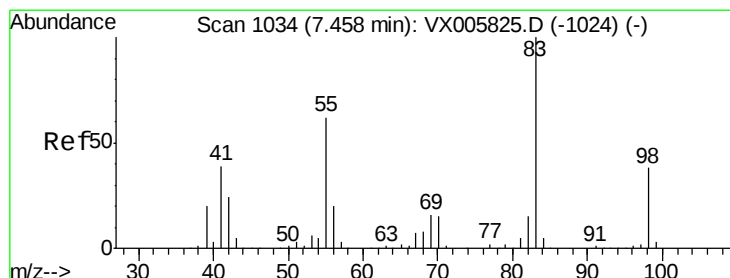
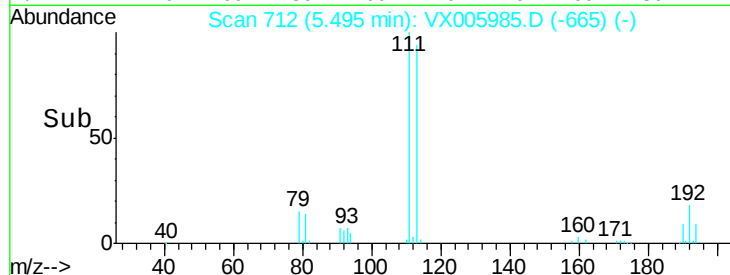
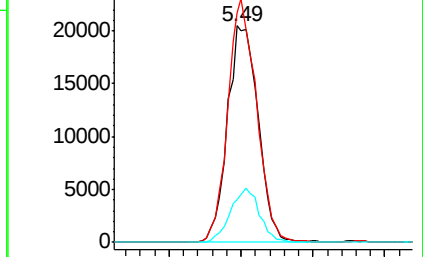
192 23.2 17.9 26.9



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

Methylcyclohexane

Concen: 3.89 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX005985.D

Acq: 14 Nov 2018 20:08

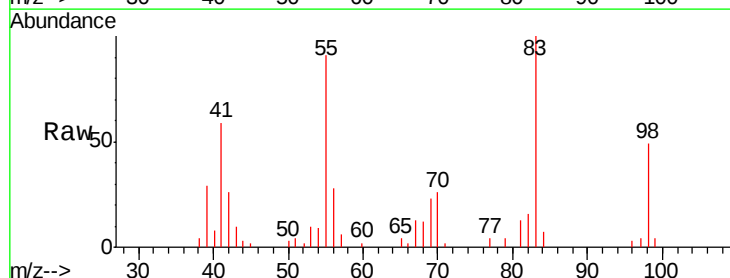
Tgt Ion: 83 Resp: 6910

Ion Ratio Lower Upper

83 100

55 90.7 63.7 95.5

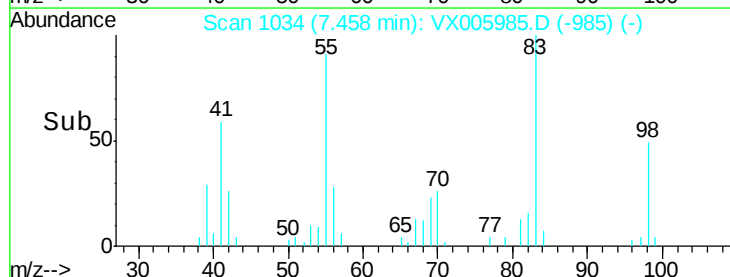
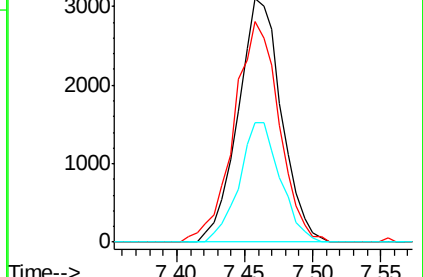
98 49.0 36.2 54.2

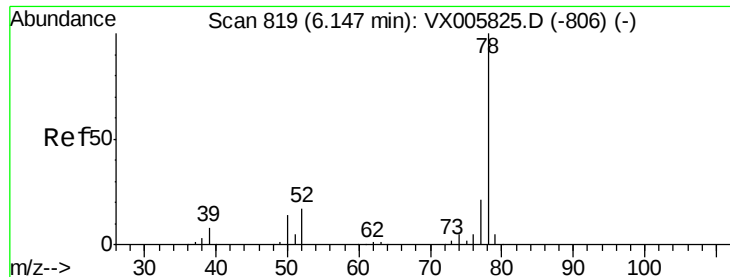


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

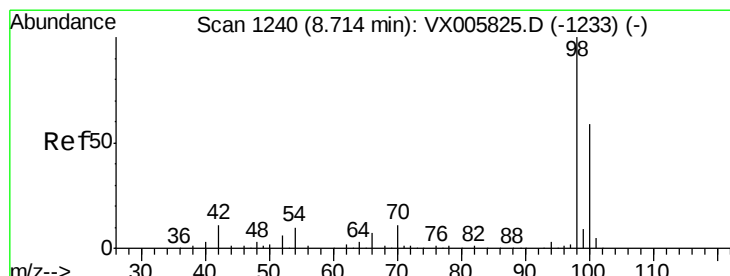
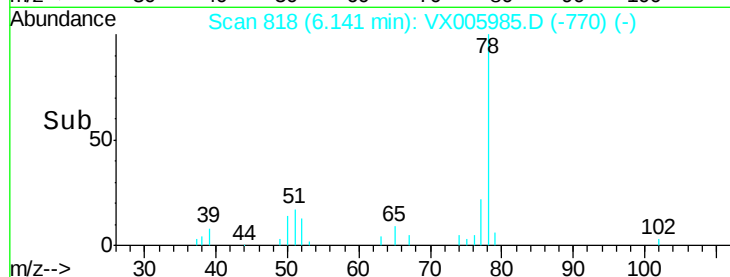
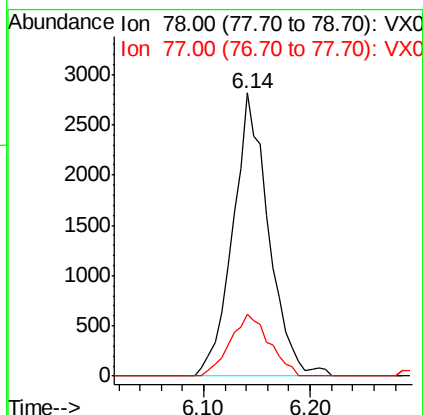
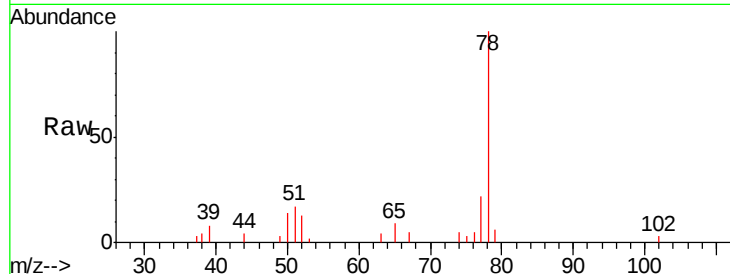




#40  
Benzene  
Concen: 1.30 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: VX005985.D  
Acq: 14 Nov 2018 20:08

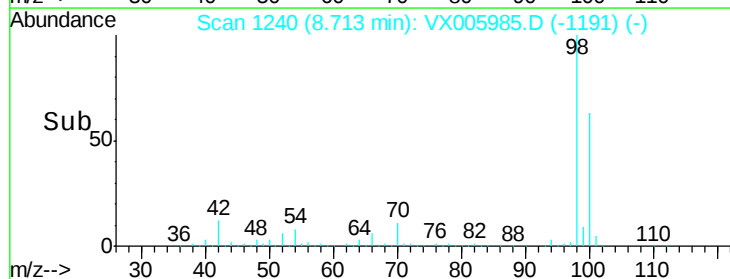
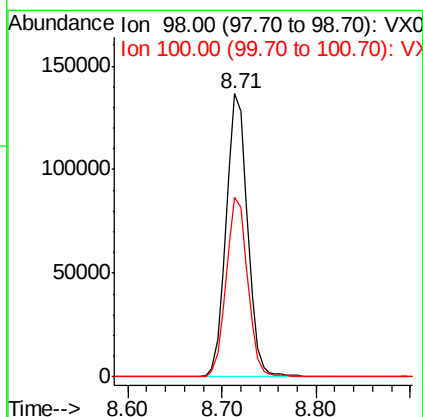
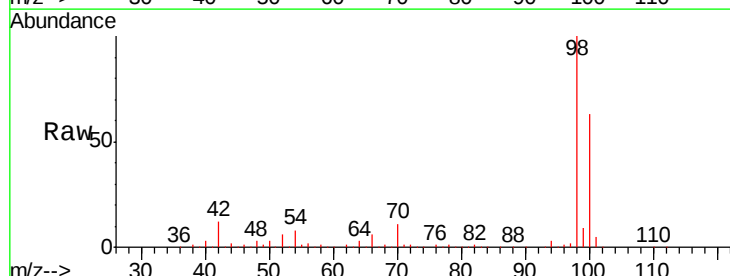
Instrument :  
MSVOA\_X  
ClientSampleId :  
SP-UST-MIDDLEDL

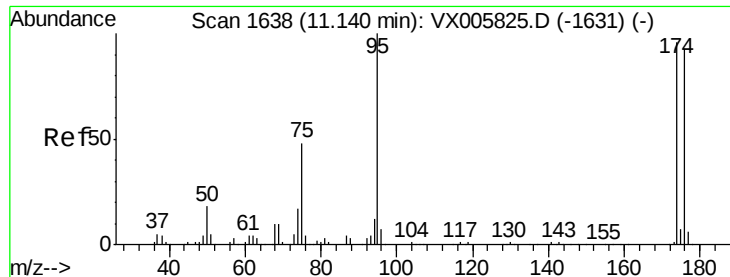
Tgt Ion: 78 Resp: 6633  
Ion Ratio Lower Upper  
78 100  
77 21.8 18.4 27.6



#50  
Toluene-d8  
Concen: 52.62 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX005985.D  
Acq: 14 Nov 2018 20:08

Tgt Ion: 98 Resp: 216369  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.3 76.9





#62

4-Bromofluorobenzene

Concen: 52.63 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005985.D

Acq: 14 Nov 2018 20:08

Instrument :

MSVOA\_X

ClientSampleId :

SP-UST-MIDDLEDL

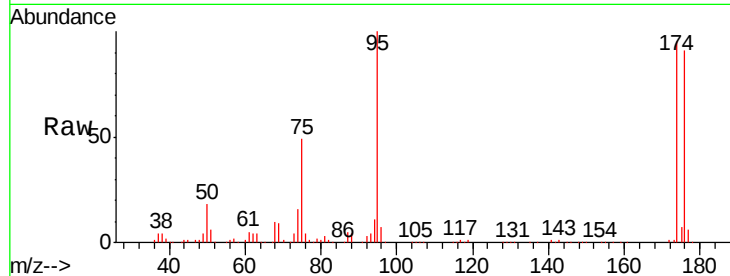
Tgt Ion: 95 Resp: 77797

Ion Ratio Lower Upper

95 100

174 90.3 0.0 184.4

176 86.6 0.0 177.4

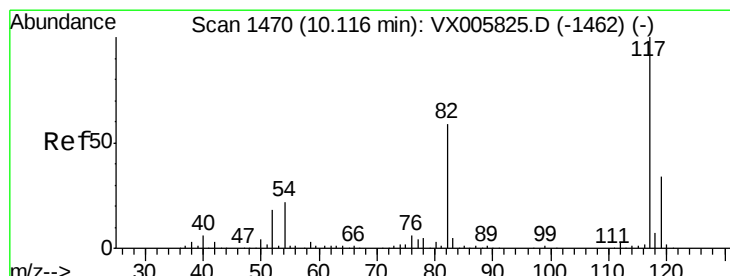
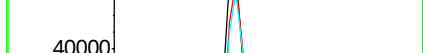
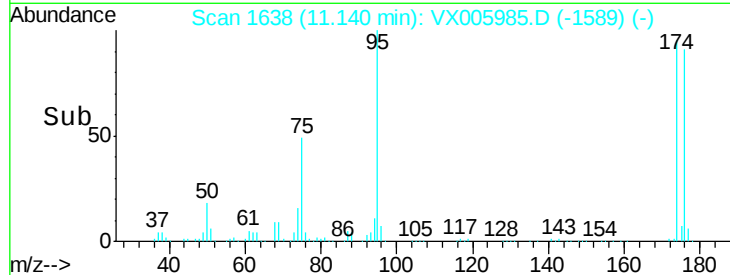


Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005985.D

Acq: 14 Nov 2018 20:08

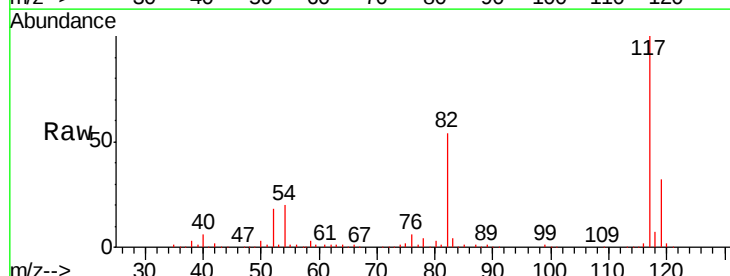
Tgt Ion: 117 Resp: 161875

Ion Ratio Lower Upper

117 100

82 53.7 44.1 66.1

119 32.5 26.2 39.2

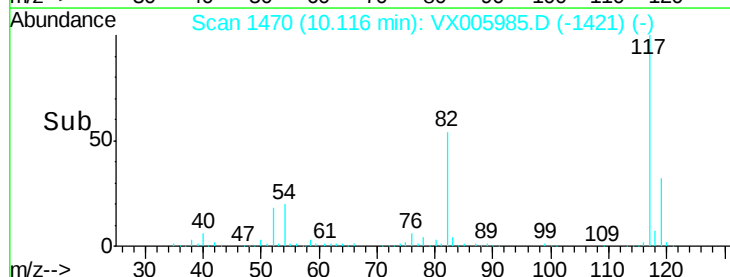


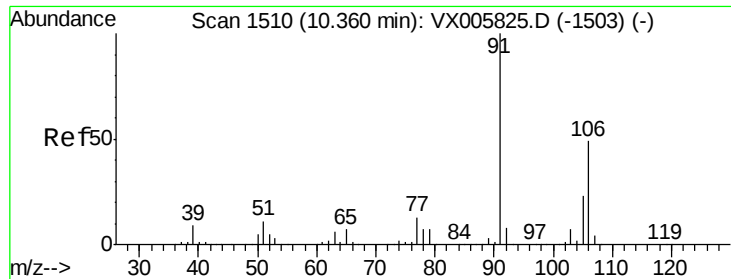
Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)

Time-->

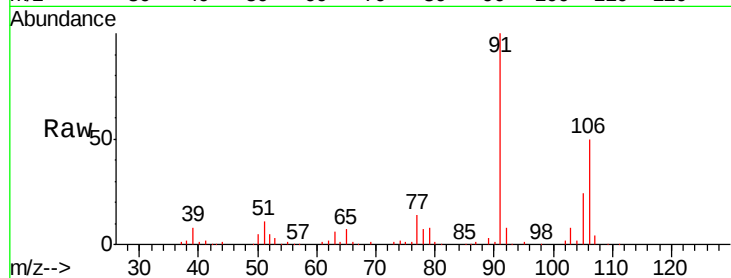




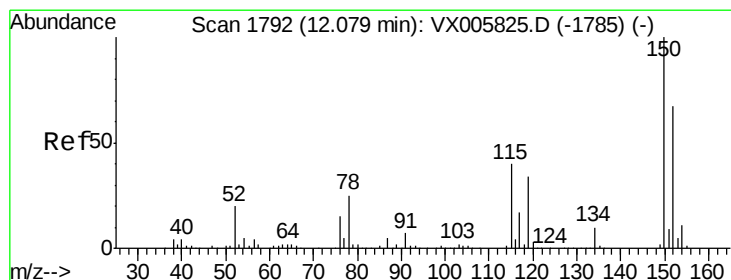
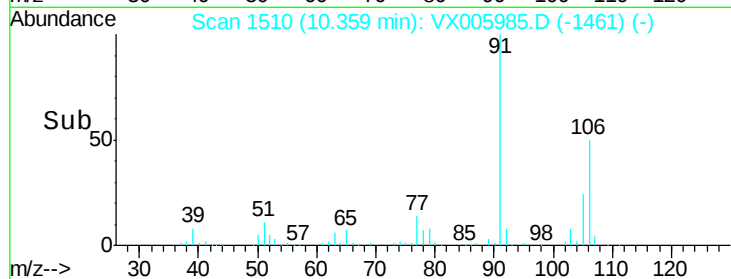
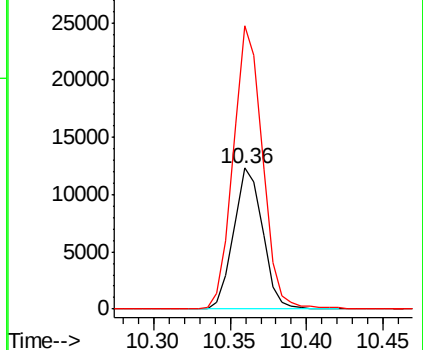
#68  
m/p-Xylenes  
Concen: 8.19 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX005985.D  
Acq: 14 Nov 2018 20:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
SP-UST-MIDDLEDL

Tgt Ion:106 Resp: 16243  
Ion Ratio Lower Upper  
106 100  
91 202.3 164.2 246.4

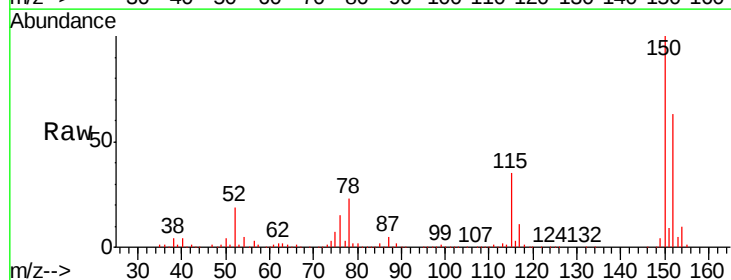


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

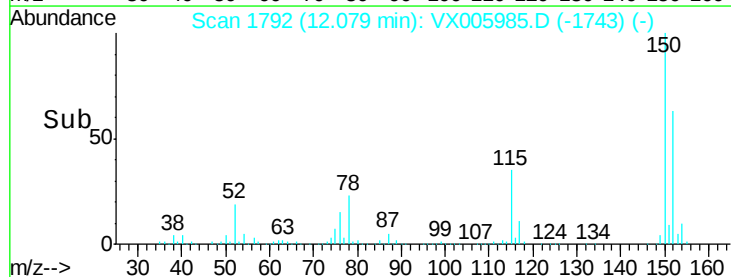
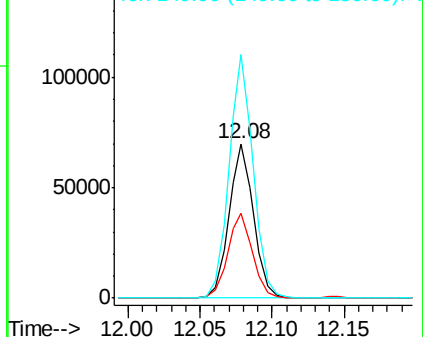


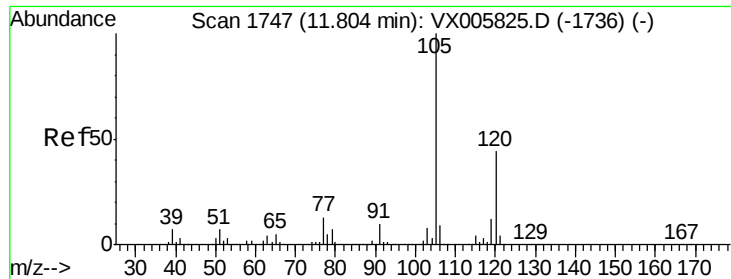
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX005985.D  
Acq: 14 Nov 2018 20:08

Tgt Ion:152 Resp: 83023  
Ion Ratio Lower Upper  
152 100  
115 55.8 39.4 118.1  
150 156.1 0.0 346.4



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

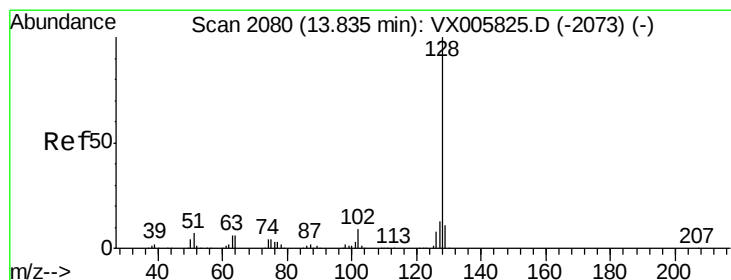
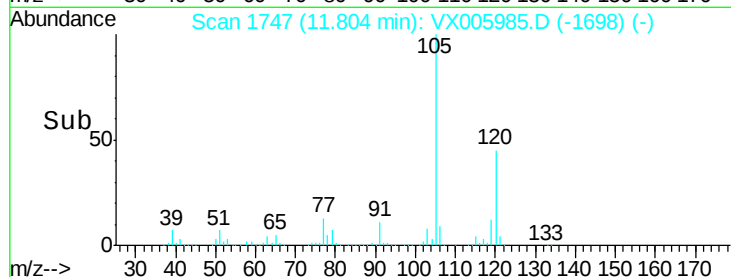
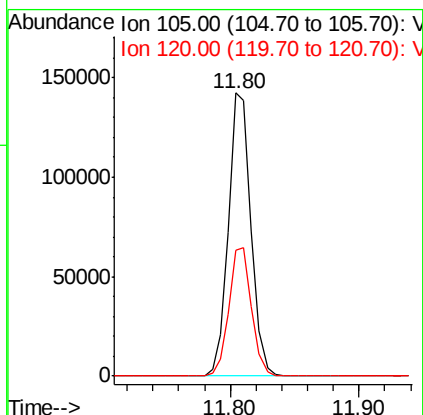
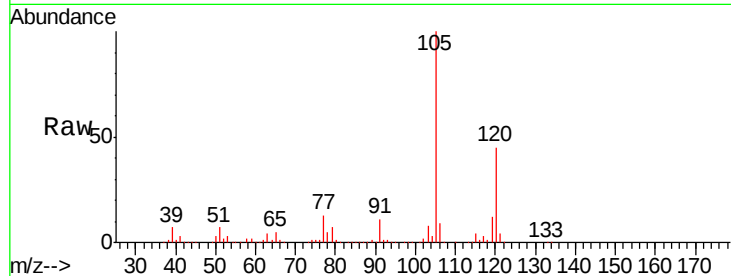




#84  
 1,2,4-Trimethylbenzene  
 Concen: 39.01 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX005985.D  
 Acq: 14 Nov 2018 20:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SP-UST-MIDDLEDL

Tgt Ion:105 Resp: 175784  
 Ion Ratio Lower Upper  
 105 100  
 120 45.3 22.4 67.0



#95  
 Naphthalene  
 Concen: 10.44 ug/l  
 RT: 13.83 min Scan# 2080  
 Delta R.T. 0.00 min  
 Lab File: VX005985.D  
 Acq: 14 Nov 2018 20:08

Tgt Ion:128 Resp: 56644  
 Ion Ratio Lower Upper  
 128 100  
 127 13.0 10.4 15.6  
 129 11.8 8.7 13.1

