

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020519\  
 Data File : VX007384.D  
 Acq On : 05 Feb 2019 18:31  
 Operator : JC/SP  
 Sample : K1380-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS027-190204

Quant Time: Feb 06 01:36:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 02 01:32:36 2019  
 Response via : Initial Calibration

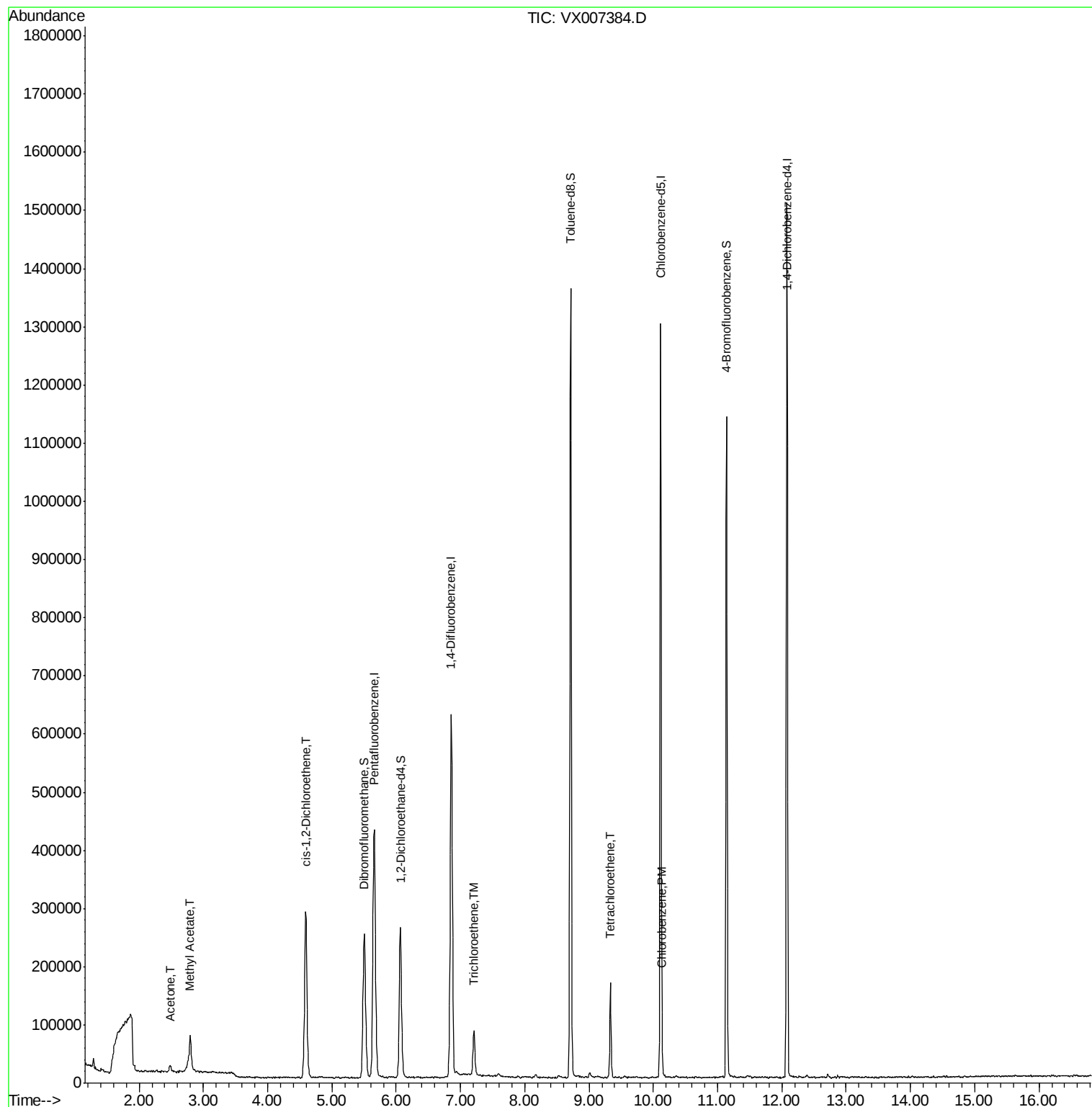
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 439684   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 680191   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 634203   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 317726   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 238565   | 51.12  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.24% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 209975   | 47.44  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.88%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 811496   | 49.42  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.84%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 287784   | 48.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.00%  |          |
| Target Compounds            |       |      |          |        |         |          |
|                             |       |      |          |        | Qvalue  |          |
| 16) Acetone                 | 2.48  | 43   | 13135    | 6.144  | ug/l #  | 86       |
| 18) Methyl Acetate          | 2.79  | 43   | 95096    | 17.463 | ug/l    | 93       |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 191898   | 39.287 | ug/l    | 92       |
| 44) Trichloroethene         | 7.21  | 130  | 31139    | 5.751  | ug/l    | 98       |
| 64) Tetrachloroethene       | 9.33  | 164  | 33762    | 5.648  | ug/l    | 92       |
| 65) Chlorobenzene           | 10.14 | 112  | 9049     | 0.654  | ug/l    | 95       |

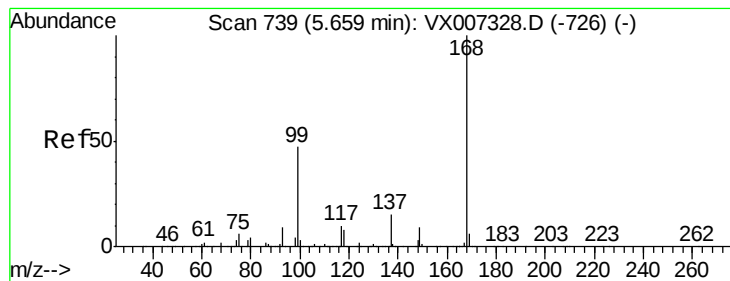
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020519\  
Data File : VX007384.D  
Acq On : 05 Feb 2019 18:31  
Operator : JC/SP  
Sample : K1380-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
KY038PS027-190204

Quant Time: Feb 06 01:36:47 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 02 01:32:36 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007384.D

Acq: 05 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

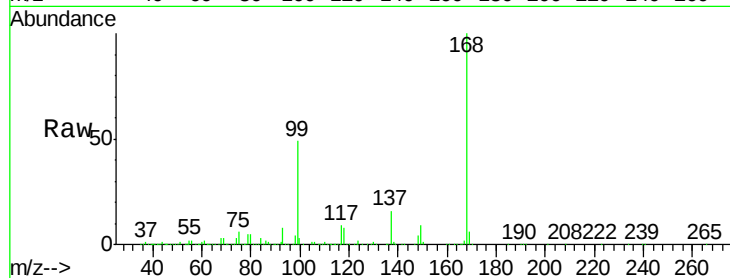
KY038PS027-190204

Tot Ion:168 Resp: 439684

Ion Ratio Lower Upper

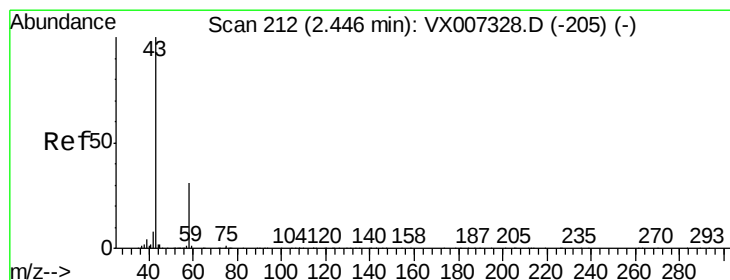
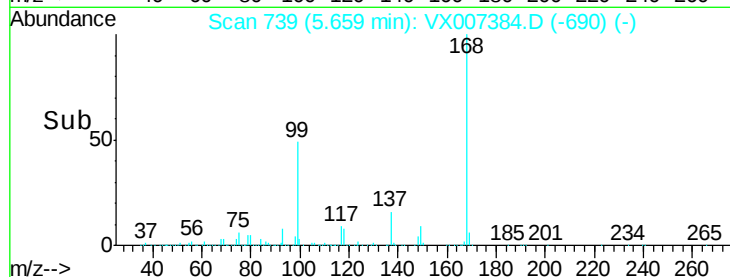
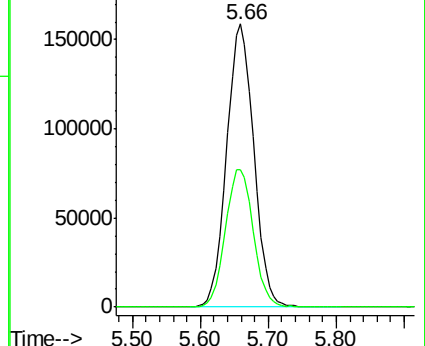
168 100

99 48.4 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 6.144 ug/l

RT: 2.48 min Scan# 218

Delta R.T. 0.04 min

Lab File: VX007384.D

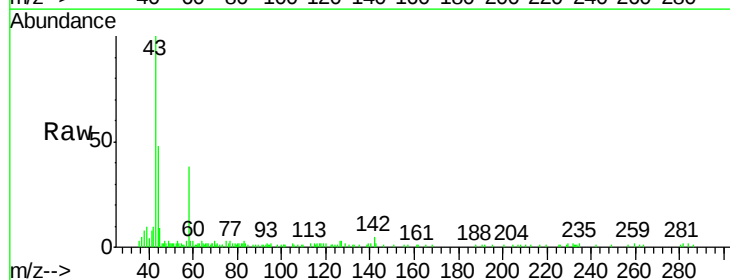
Acq: 05 Feb 2019 18:31

Tgt Ion: 43 Resp: 13135

Ion Ratio Lower Upper

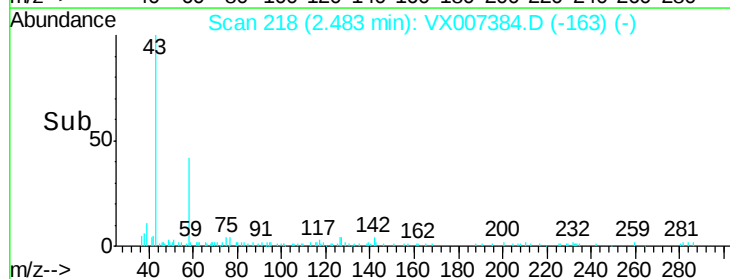
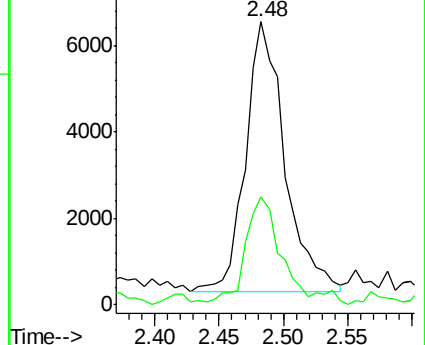
43 100

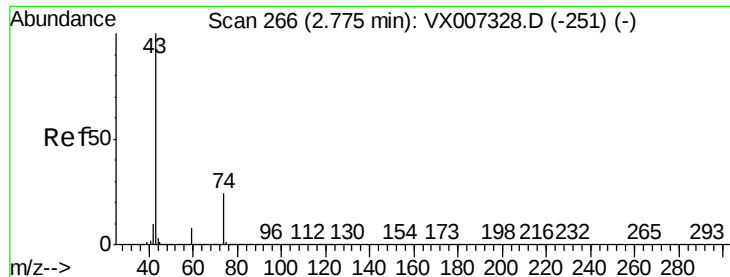
58 38.7 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

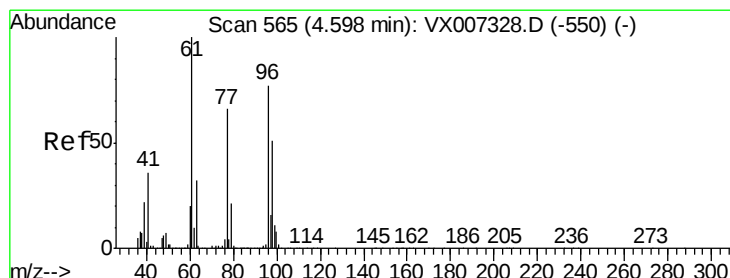
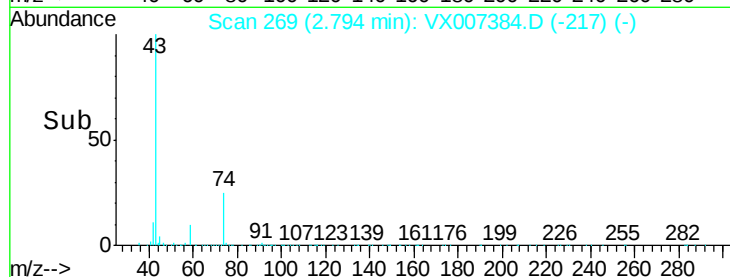
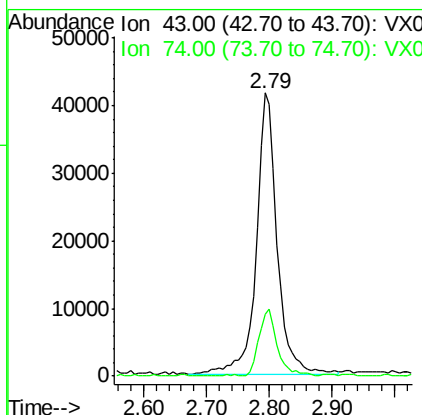
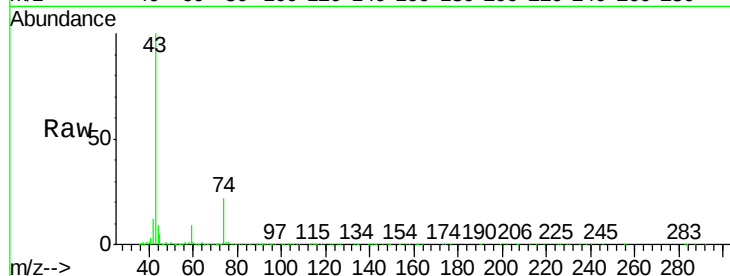




#18  
Methvl Acetate  
Concen: 17.463 ug/l  
RT: 2.79 min Scan# 269  
Delta R.T. 0.02 min  
Lab File: VX007384.D  
Acq: 05 Feb 2019 18:31

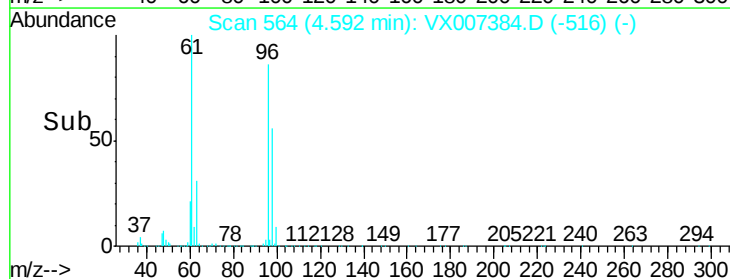
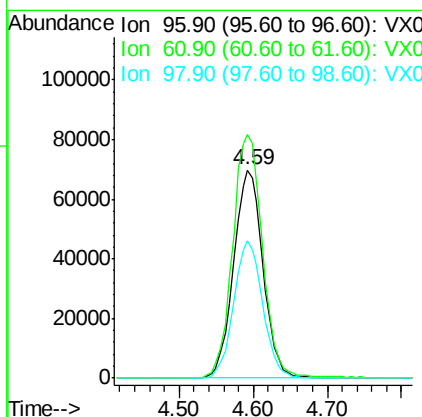
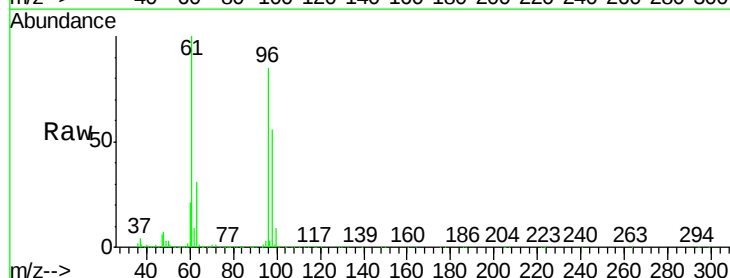
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY038PS027-190204

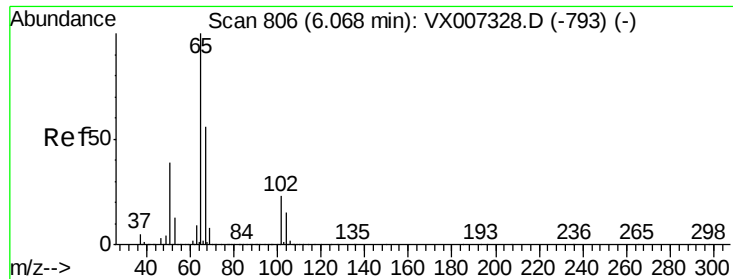
Tot Ion: 43 Resp: 95096  
Ion Ratio Lower Upper  
43 100  
74 20.7 19.4 29.2



#27  
cis-1,2-Dichloroethene  
Concen: 39.287 ug/l  
RT: 4.59 min Scan# 564  
Delta R.T. -0.01 min  
Lab File: VX007384.D  
Acq: 05 Feb 2019 18:31

Tgt Ion: 96 Resp: 191898  
Ion Ratio Lower Upper  
96 100  
61 119.0 0.0 265.6  
98 65.3 0.0 131.6





#33

1,2-Dichloroethane-d4

Concen: 51.119 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007384.D

Acq: 05 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

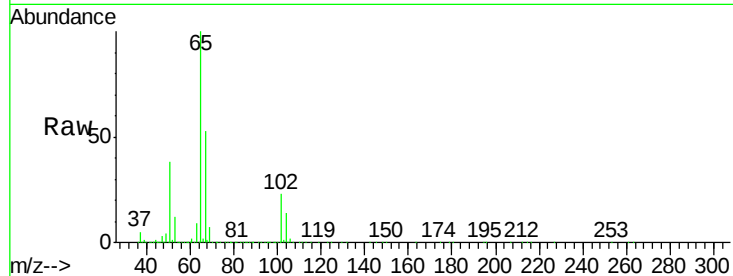
KY038PS027-190204

Tot Ion: 65 Resp: 238565

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

100000

80000

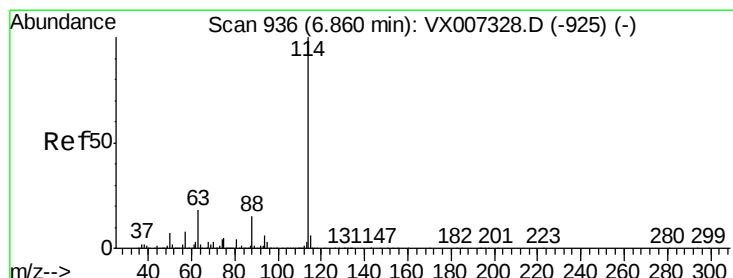
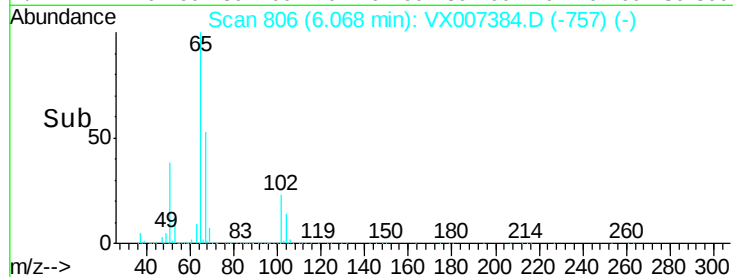
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007384.D

Acq: 05 Feb 2019 18:31

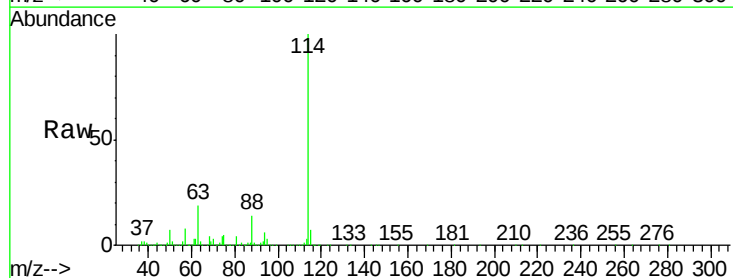
Tgt Ion: 114 Resp: 680191

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.6

88 14.1 0.0 29.6



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

6.86

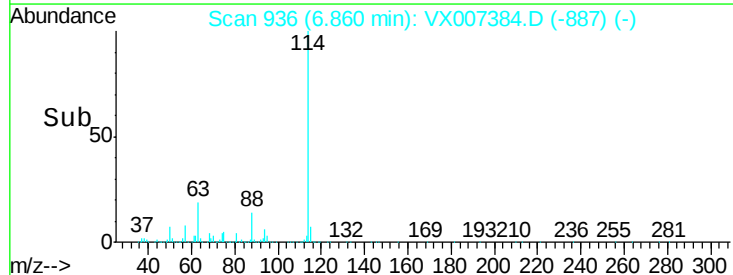
300000

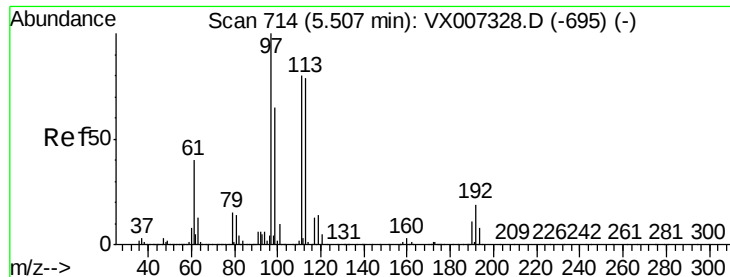
200000

100000

0

Time--> 6.70 6.80 6.90 7.00

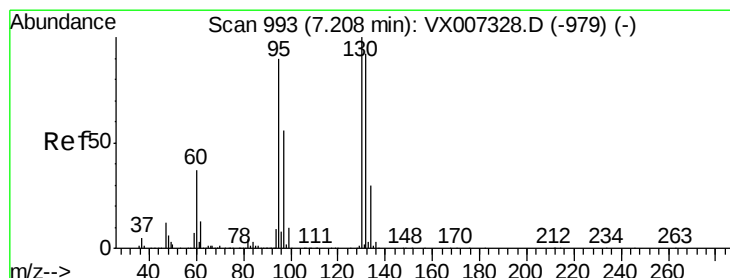
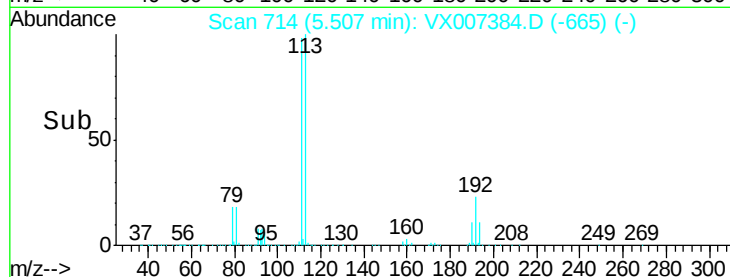
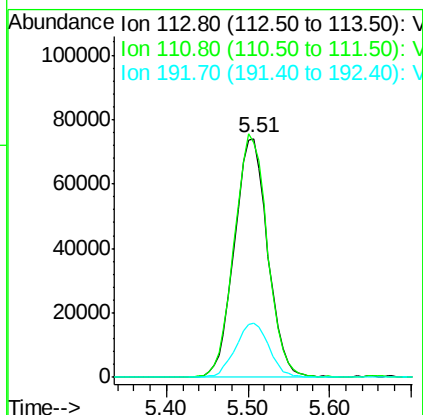
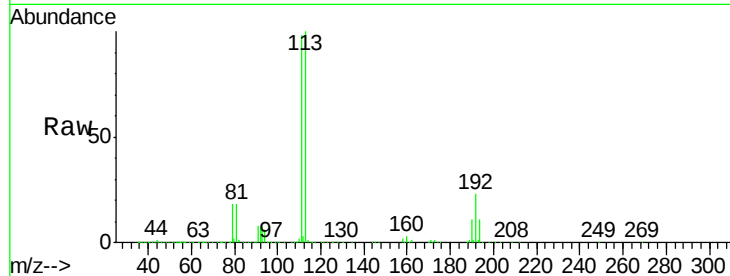




#35  
 Dibromofluoromethane  
 Concen: 47.444 ug/l  
 RT: 5.51 min Scan# 714  
 Delta R.T. 0.00 min  
 Lab File: VX007384.D  
 Acq: 05 Feb 2019 18:31

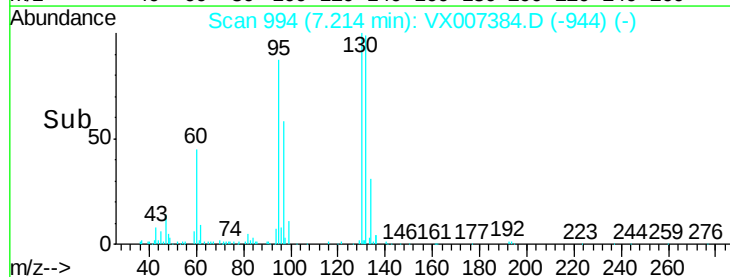
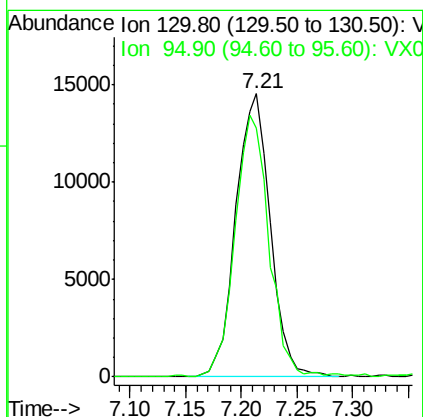
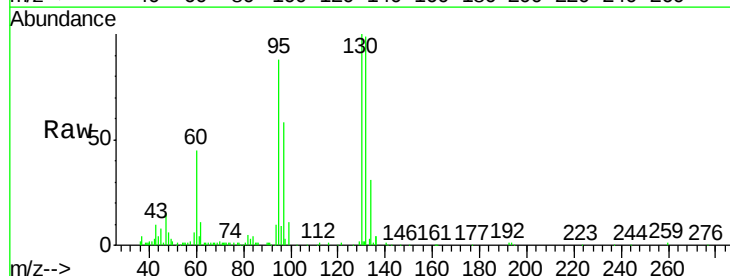
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS027-190204

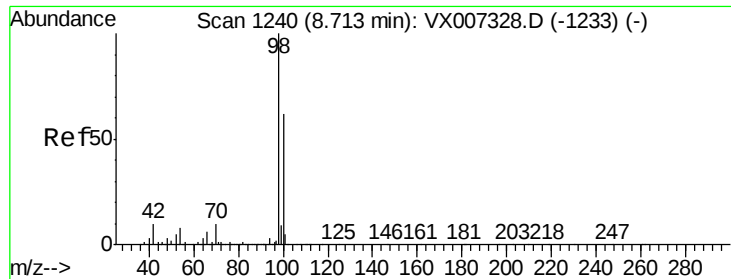
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.4 | 81.8  | 122.8 |
| 192     | 23.0  | 18.5  | 27.7  |



#44  
 Trichloroethene  
 Concen: 5.751 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.01 min  
 Lab File: VX007384.D  
 Acq: 05 Feb 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 88.0  | 0.0   | 180.0 |





#50

Toluene-d8

Concen: 49.420 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007384.D

Acq: 05 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

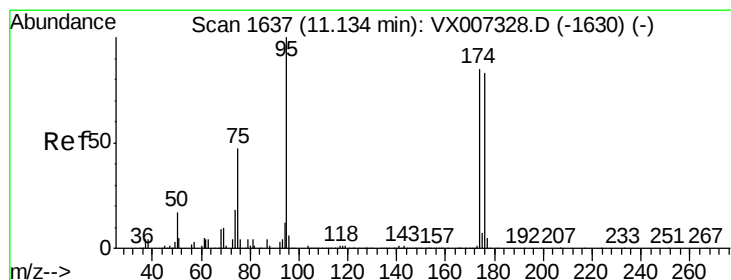
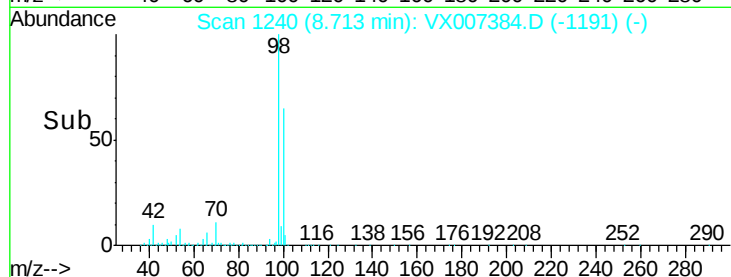
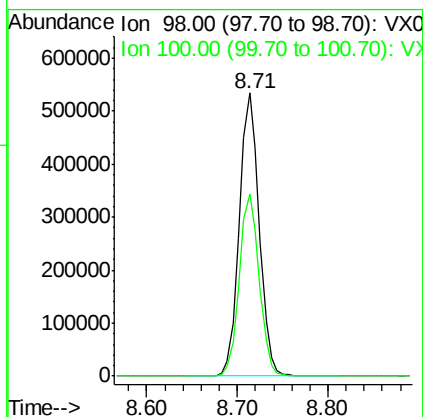
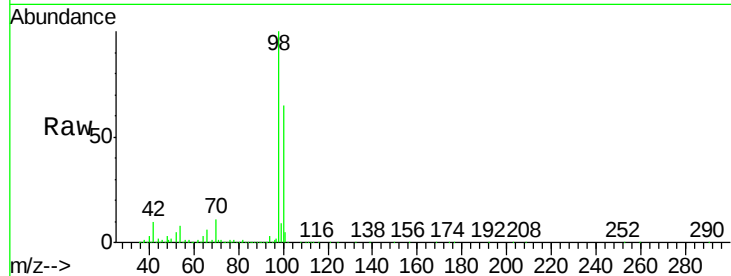
KY038PS027-190204

Tot Ion: 98 Resp: 811496

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 48.003 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX007384.D

Acq: 05 Feb 2019 18:31

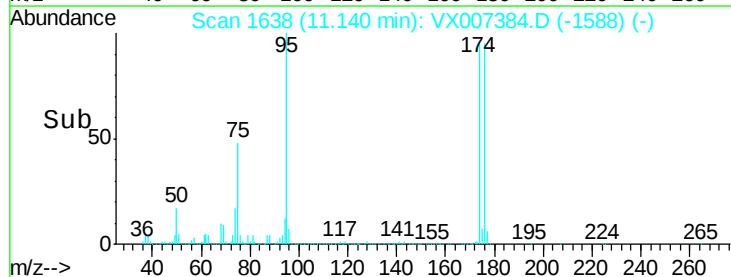
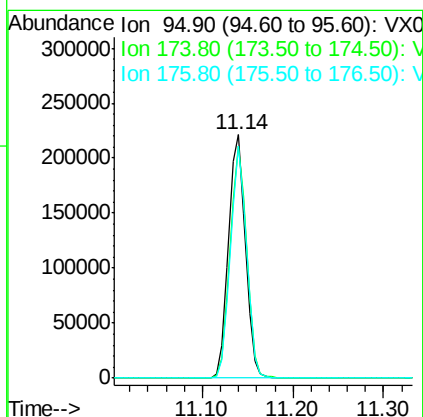
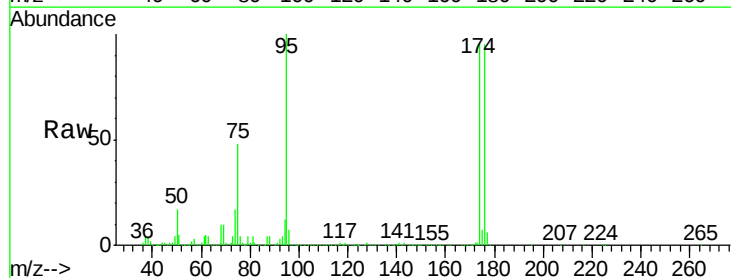
Tgt Ion: 95 Resp: 287784

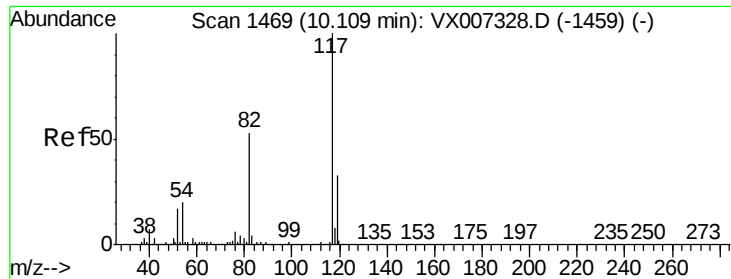
Ion Ratio Lower Upper

95 100

174 93.7 0.0 189.2

176 90.8 0.0 186.2

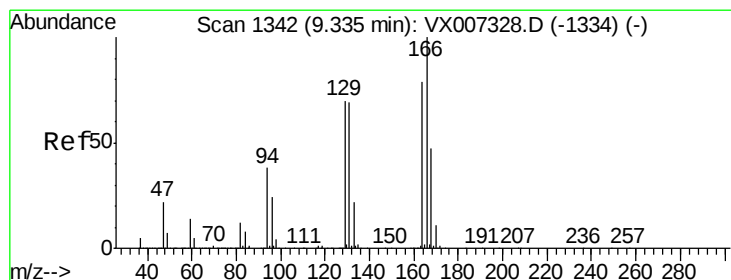
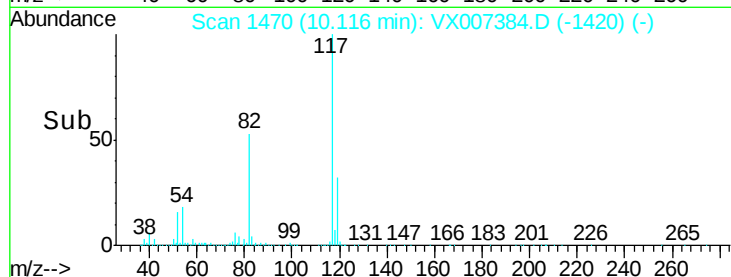
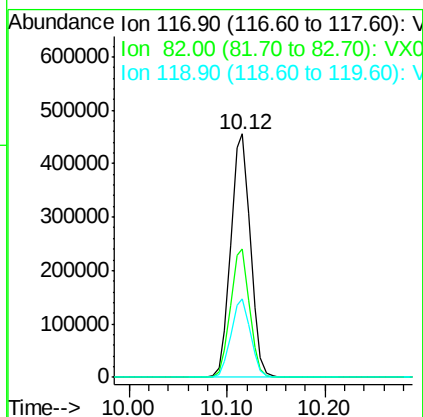
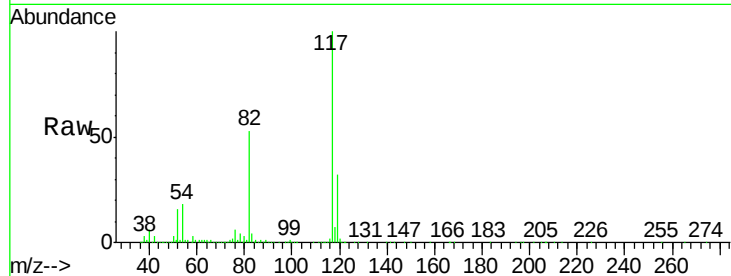




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX007384.D  
Acq: 05 Feb 2019 18:31

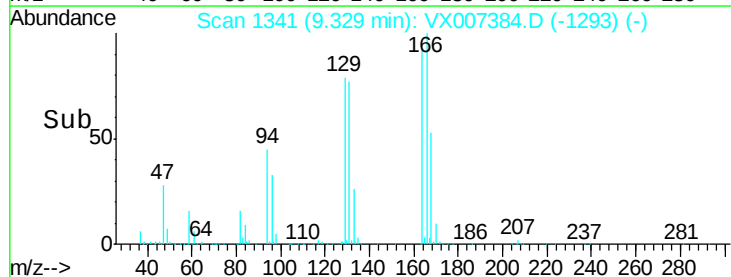
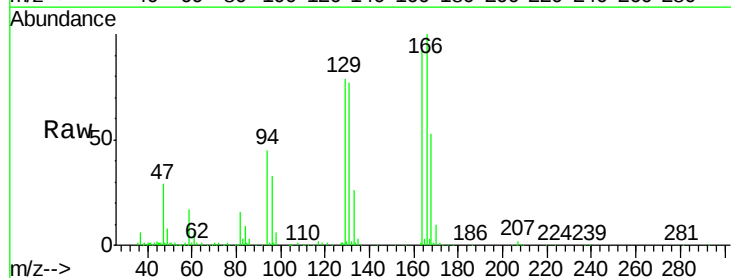
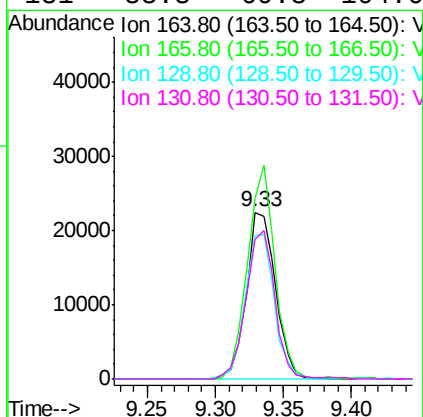
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY038PS027-190204

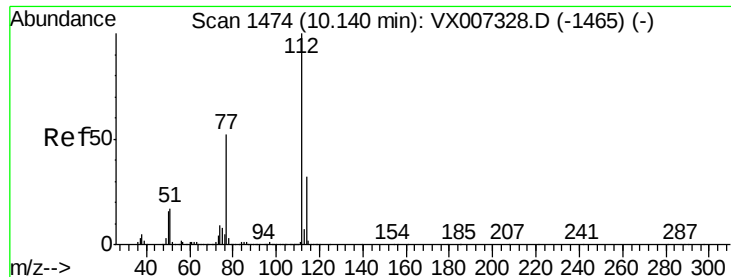
Tot Ion:117 Resp: 634203  
Ion Ratio Lower Upper  
117 100  
82 52.5 42.1 63.1  
119 32.4 26.5 39.7



#64  
Tetrachloroethene  
Concen: 5.648 ug/l  
RT: 9.33 min Scan# 1341  
Delta R.T. -0.01 min  
Lab File: VX007384.D  
Acq: 05 Feb 2019 18:31

Tgt Ion:164 Resp: 33762  
Ion Ratio Lower Upper  
164 100  
166 108.8 101.0 151.4  
129 86.4 70.5 105.7  
131 83.3 69.8 104.6





#65

Chlorobenzene

Concen: 0.654 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007384.D

Acq: 05 Feb 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

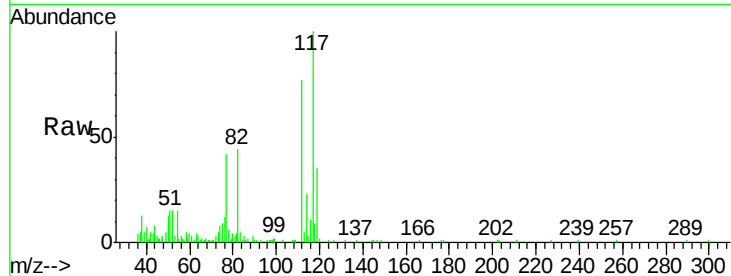
KY038PS027-190204

Tot Ion:112 Resp: 9049

Ion Ratio Lower Upper

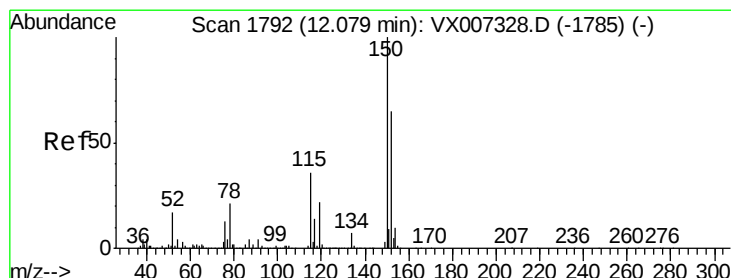
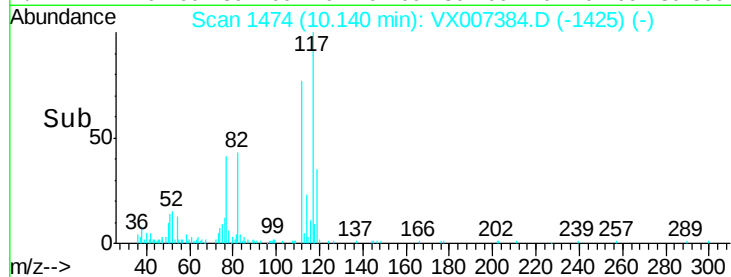
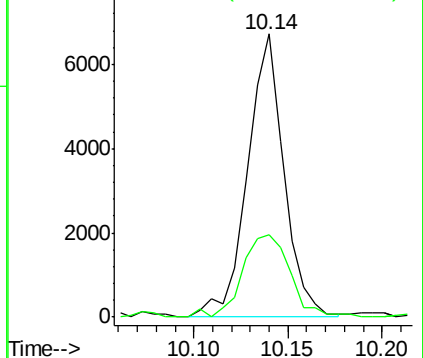
112 100

114 29.3 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007384.D

Acq: 05 Feb 2019 18:31

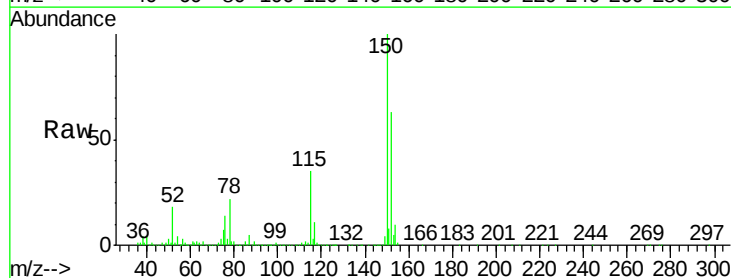
Tgt Ion:152 Resp: 317726

Ion Ratio Lower Upper

152 100

115 54.5 38.0 114.0

150 156.8 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

