

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021820\  
 Data File : VX014952.D  
 Acq On : 18 Feb 2020 12:23  
 Operator : JC/SP  
 Sample : L1564-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS027-200217

Quant Time: Feb 19 00:48:19 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X021020W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 10 12:09:20 2020  
 Response via : Initial Calibration

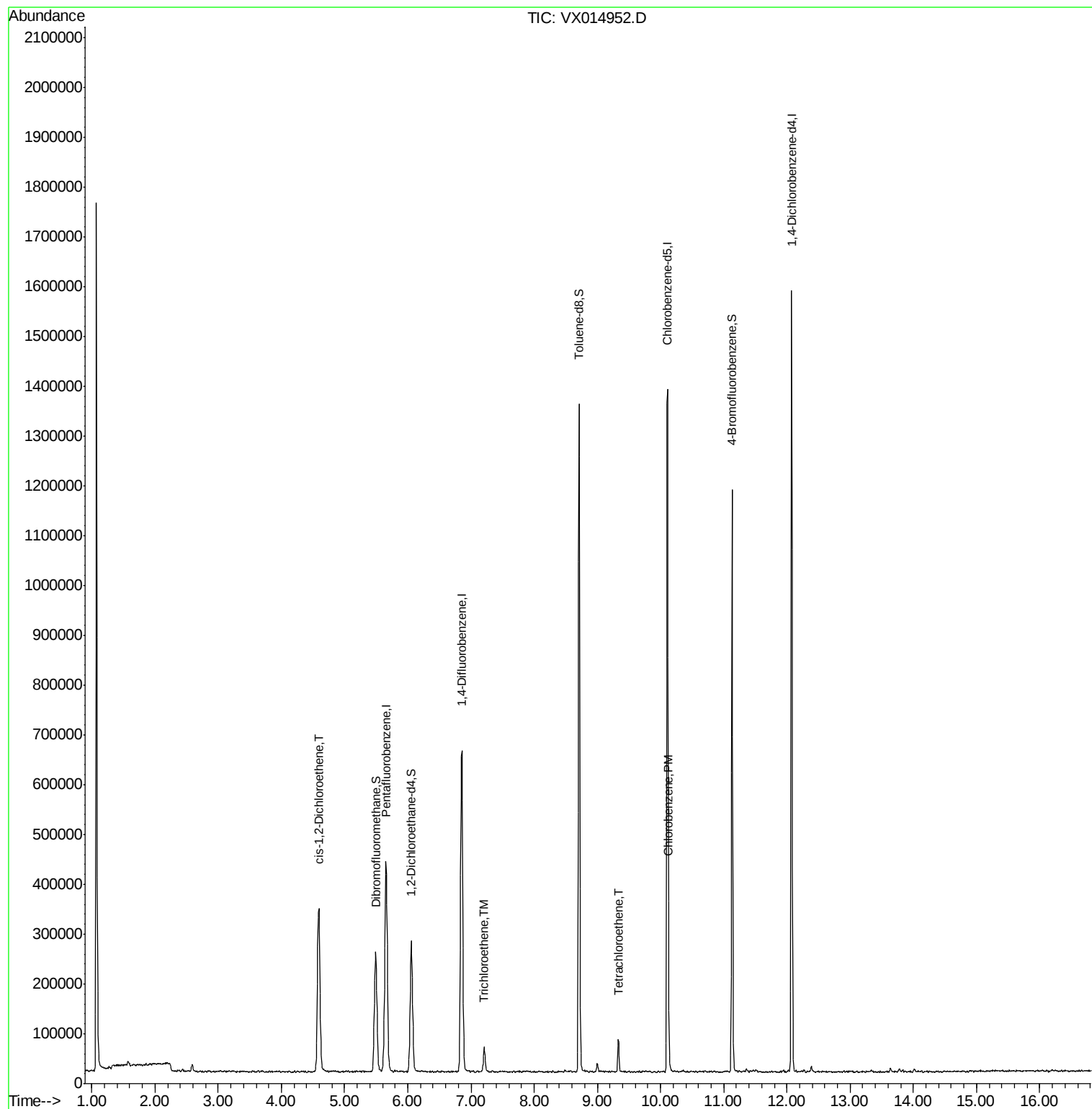
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 433765   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 678518   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 641303   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 332929   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 244622   | 49.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.94%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 206695   | 49.55  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.10%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 805841   | 50.61  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.22% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 297343   | 51.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.68% |          |
| Target Compounds            |       |      |          |        |         |          |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 218090   | 44.472 | ug/l    | 89       |
| 44) Trichloroethene         | 7.21  | 130  | 20097    | 3.817  | ug/l    | 99       |
| 64) Tetrachloroethene       | 9.34  | 164  | 13768    | 2.296  | ug/l    | 94       |
| 65) Chlorobenzene           | 10.13 | 112  | 19411    | 1.492  | ug/l    | 93       |

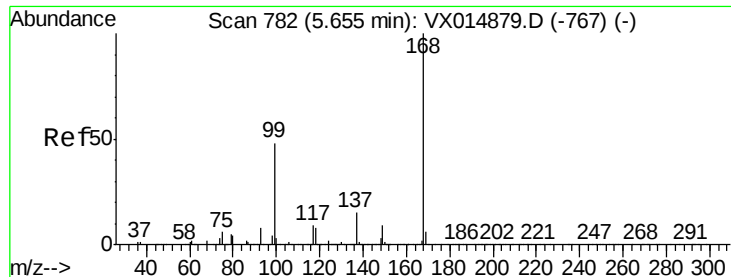
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021820\  
Data File : VX014952.D  
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Sample : L1564-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
KY038PS027-200217

Quant Time: Feb 19 00:48:19 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X021020W.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 10 12:09:20 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014952.D

Acq: 18 Feb 2020 12:23

Instrument :

MSVOA\_X

ClientSampleId :

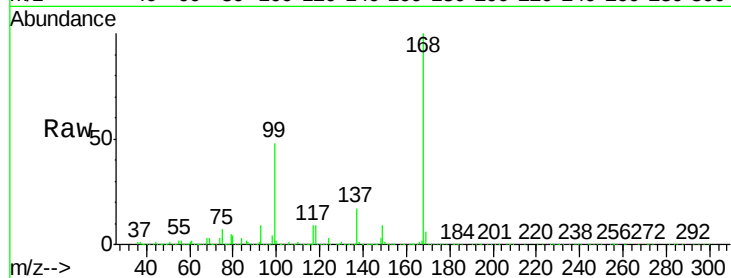
KY038PS027-200217

Tot Ion:168 Resp: 433765

Ion Ratio Lower Upper

168 100

99 47.8 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

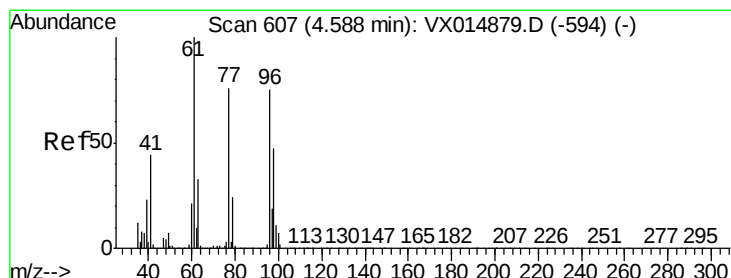
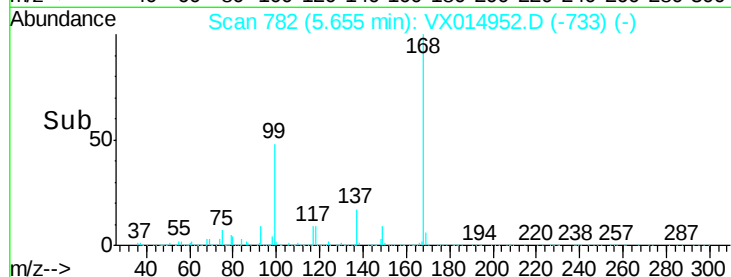
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 44.472 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX014952.D

Acq: 18 Feb 2020 12:23

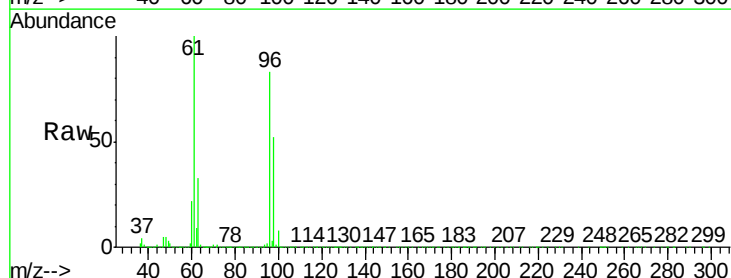
Tgt Ion: 96 Resp: 218090

Ion Ratio Lower Upper

96 100

61 123.7 0.0 286.2

98 64.2 0.0 131.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4.59

120000

100000

80000

60000

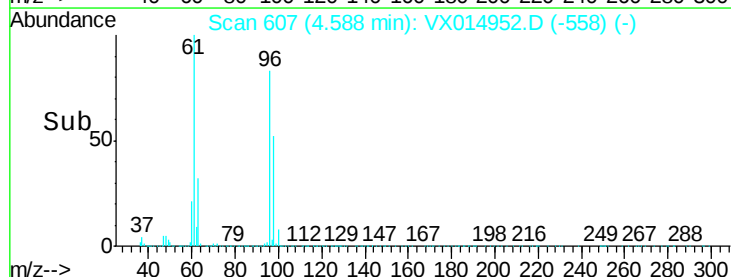
40000

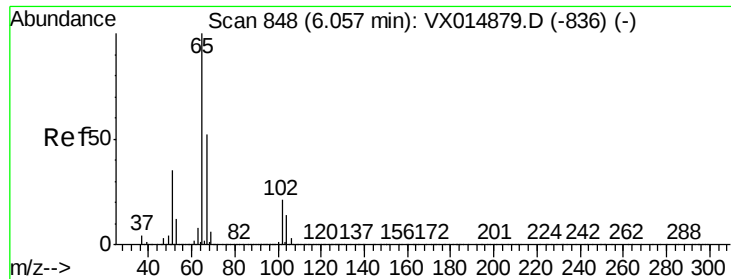
20000

0

Time-->

4.50 4.60 4.70

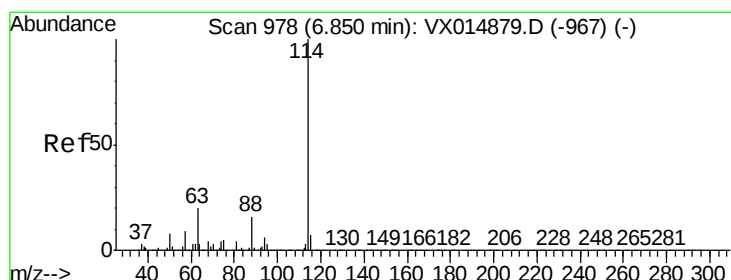
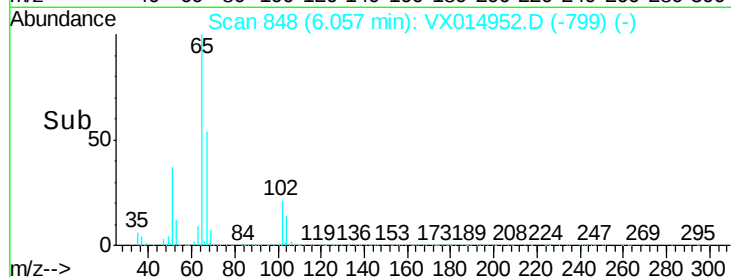
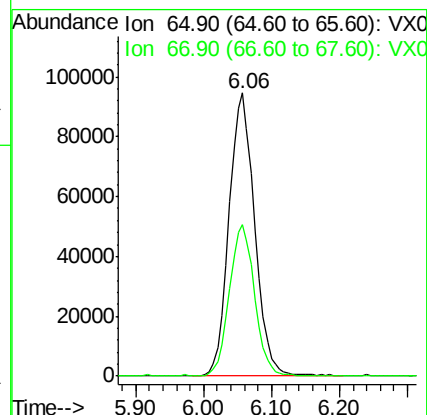
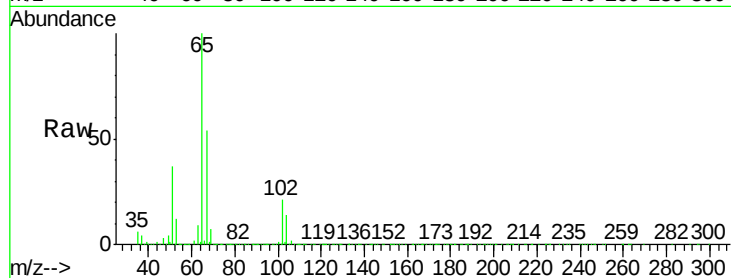




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.970 ug/l  
 RT: 6.06 min Scan# 848  
 Delta R.T. 0.00 min  
 Lab File: VX014952.D  
 Acq: 18 Feb 2020 12:23

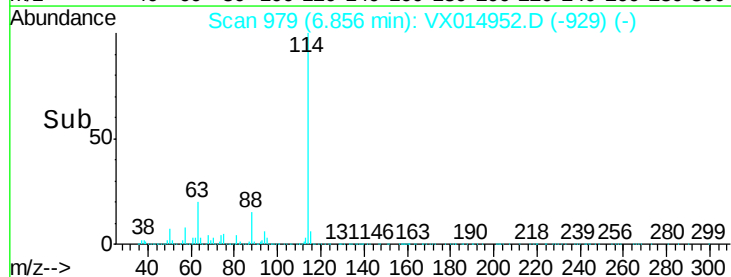
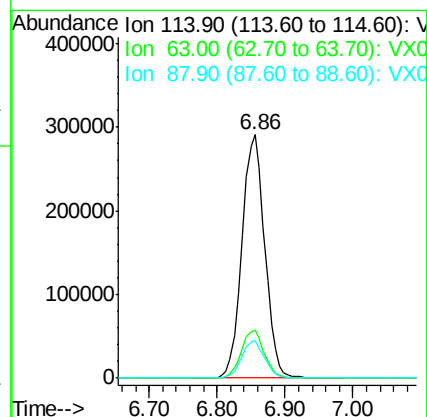
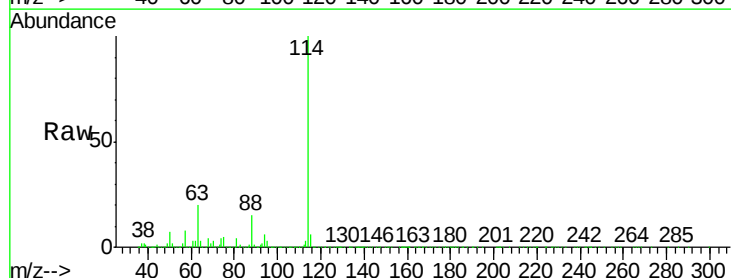
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS027-200217

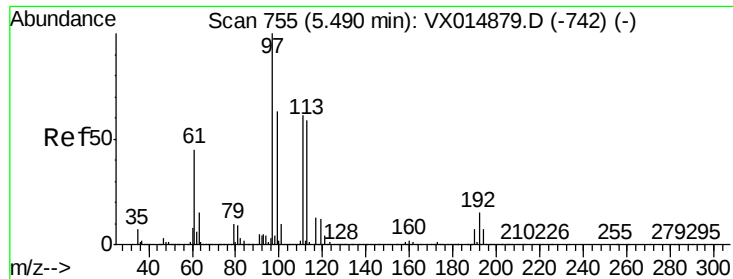
Tot Ion: 65 Resp: 244622  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 979  
 Delta R.T. 0.01 min  
 Lab File: VX014952.D  
 Acq: 18 Feb 2020 12:23

Tgt Ion: 114 Resp: 678518  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 39.2  
 88 15.1 0.0 32.0

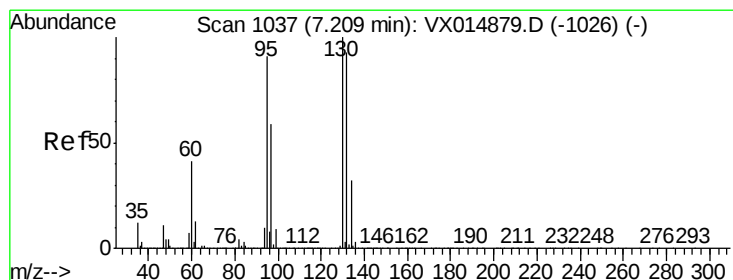
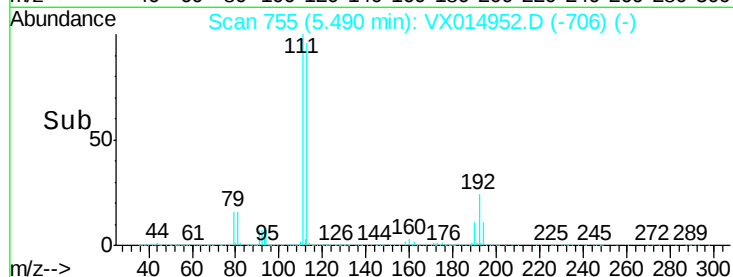
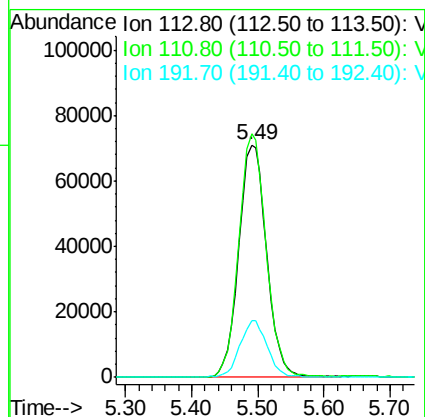
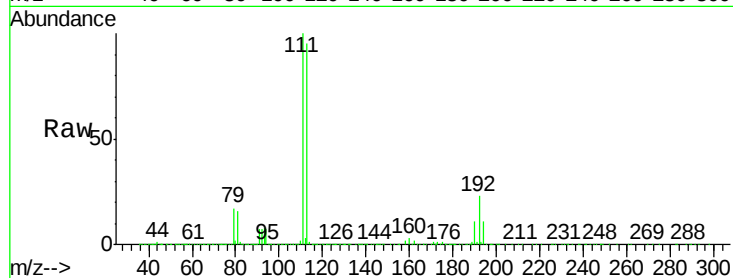




#35  
Dibromofluoromethane  
Concen: 49.551 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. 0.00 min  
Lab File: VX014952.D  
Acq: 18 Feb 2020 12:23

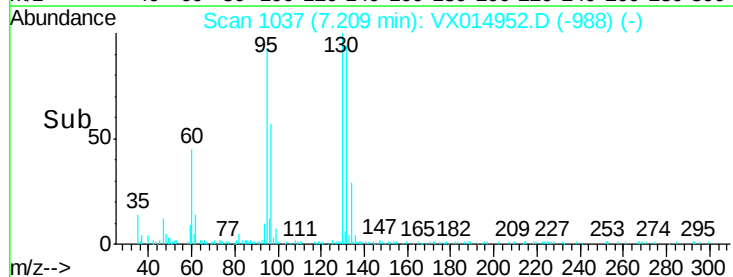
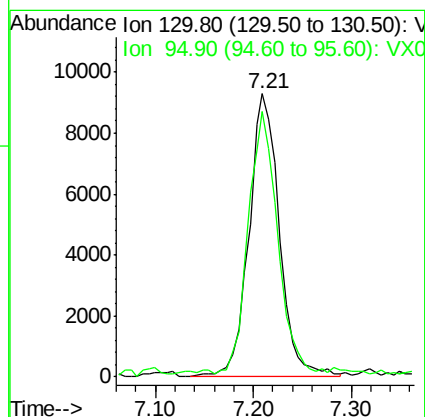
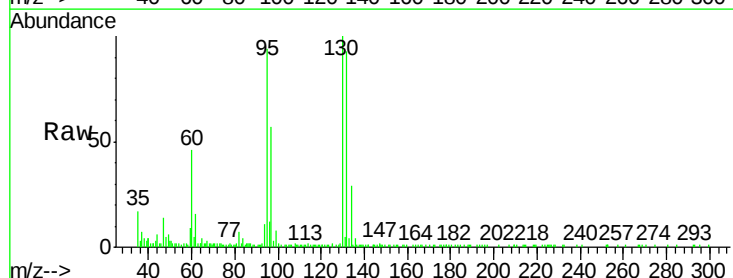
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY038PS027-200217

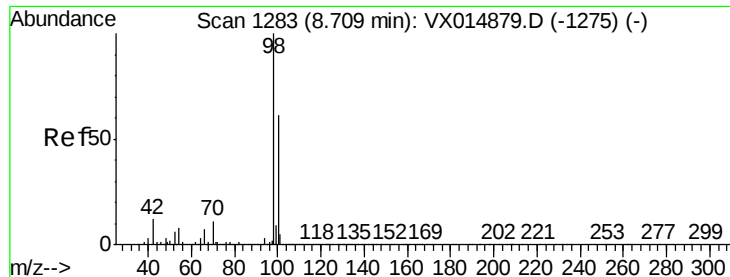
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 82.4  | 123.6 |
| 192     | 23.7  | 19.1  | 28.7  |



#44  
Trichloroethene  
Concen: 3.817 ug/l  
RT: 7.21 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: VX014952.D  
Acq: 18 Feb 2020 12:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 91.9  | 0.0   | 182.6 |





#50

Toluene-d8

Concen: 50.610 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014952.D

Acq: 18 Feb 2020 12:23

Instrument :

MSVOA\_X

ClientSampleId :

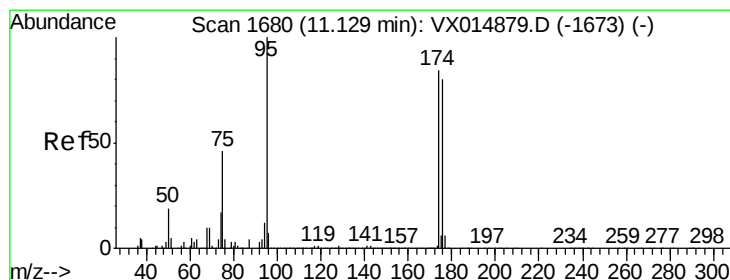
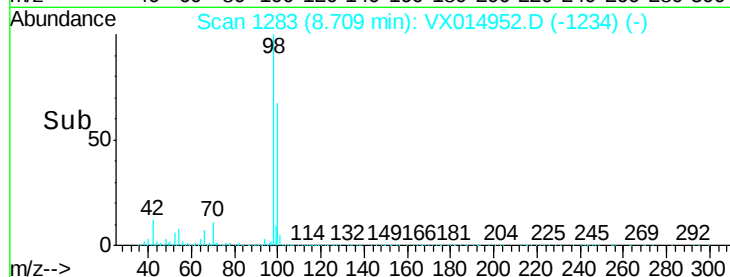
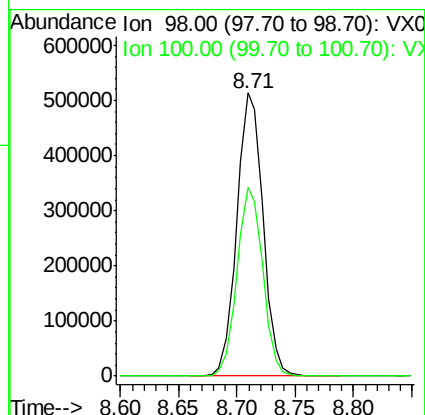
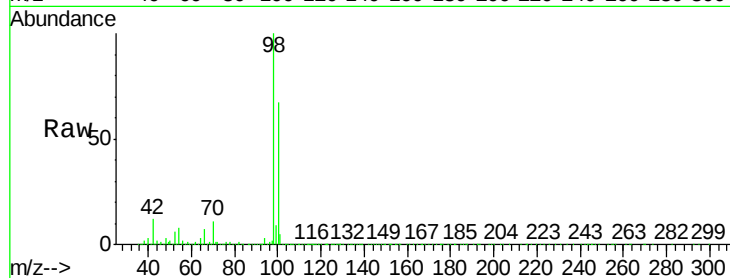
KY038PS027-200217

Tot Ion: 98 Resp: 805841

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 51.840 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX014952.D

Acq: 18 Feb 2020 12:23

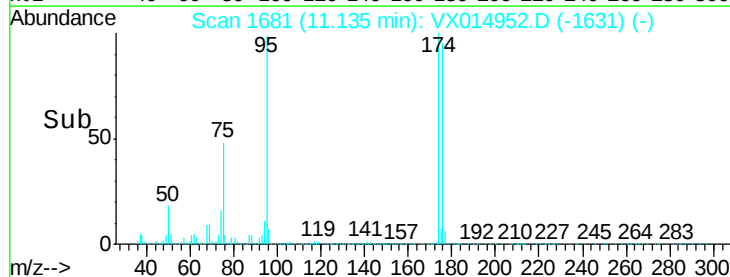
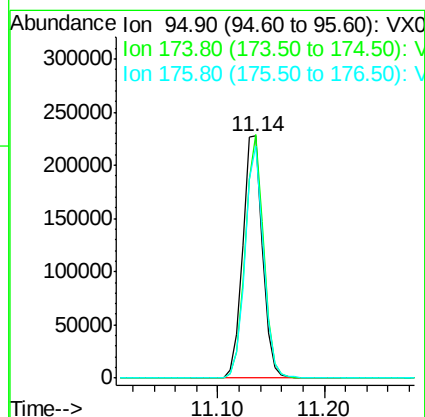
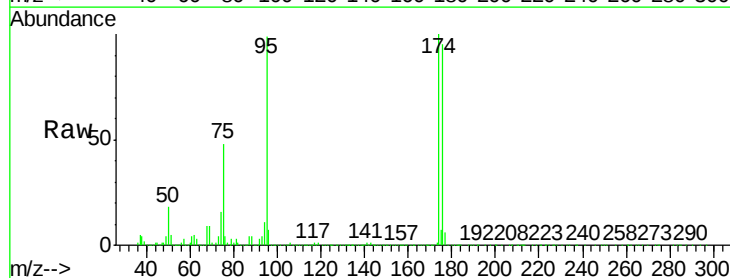
Tgt Ion: 95 Resp: 297343

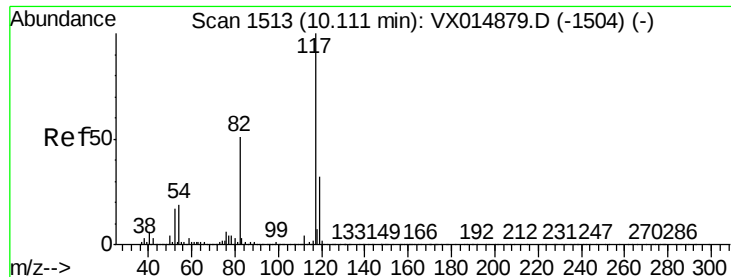
Ion Ratio Lower Upper

95 100

174 93.6 0.0 183.0

176 89.8 0.0 178.0

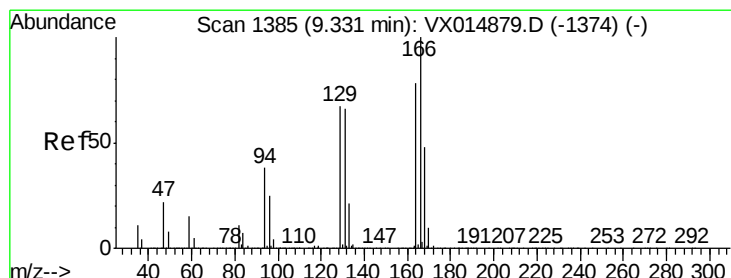
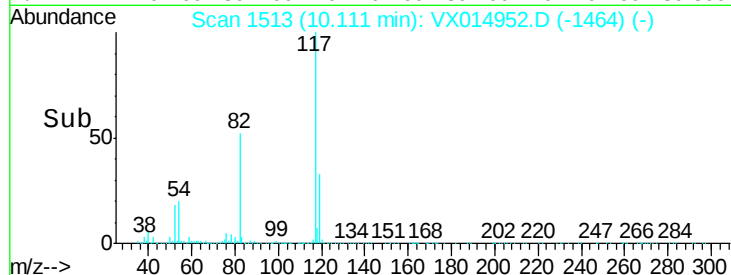
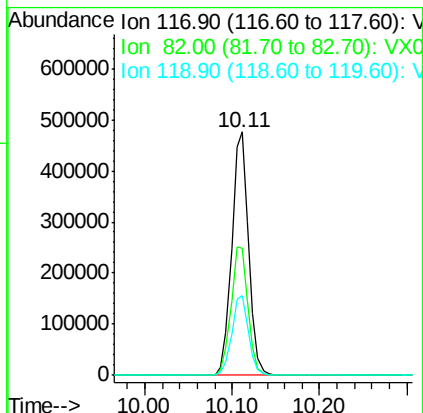
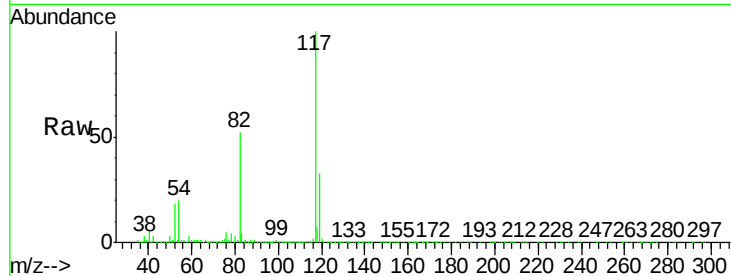




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX014952.D  
Acq: 18 Feb 2020 12:23

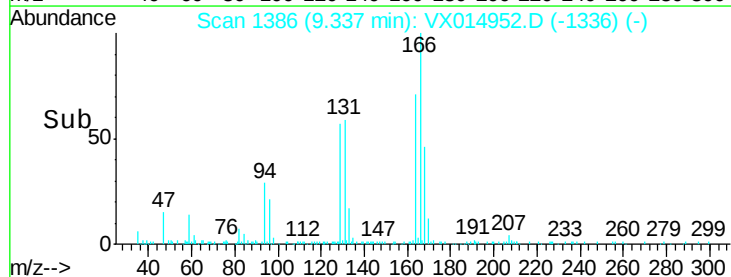
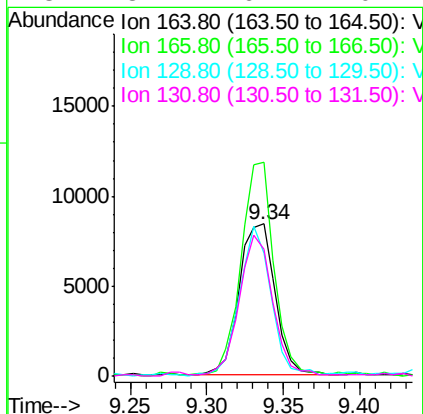
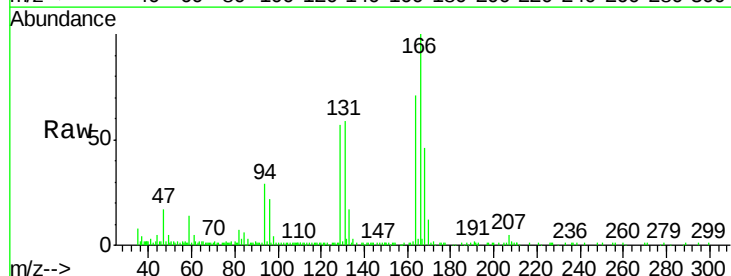
Instrument :  
MSVOA\_X  
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KY038PS027-200217

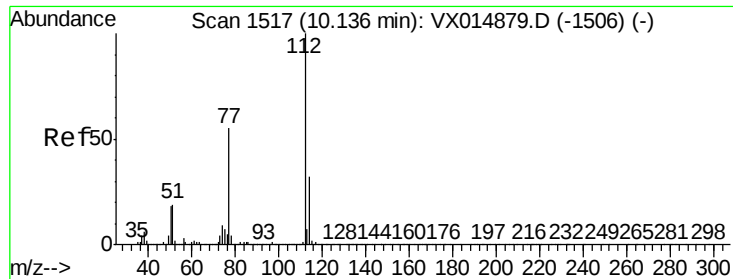
Tot Ion:117 Resp: 641303  
Ion Ratio Lower Upper  
117 100  
82 52.3 40.5 60.7  
119 32.7 25.8 38.6



#64  
Tetrachloroethene  
Concen: 2.296 ug/l  
RT: 9.34 min Scan# 1386  
Delta R.T. 0.01 min  
Lab File: VX014952.D  
Acq: 18 Feb 2020 12:23

Tgt Ion:164 Resp: 13768  
Ion Ratio Lower Upper  
164 100  
166 140.8 102.6 153.8  
129 81.2 68.3 102.5  
131 82.7 67.4 101.2





#65

Chlorobenzene

Concen: 1.492 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014952.D

Acq: 18 Feb 2020 12:23

Instrument :

MSVOA\_X

ClientSampleId :

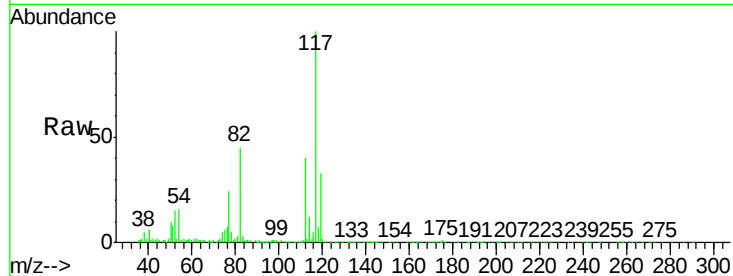
KY038PS027-200217

Tot Ion:112 Resp: 19411

Ion Ratio Lower Upper

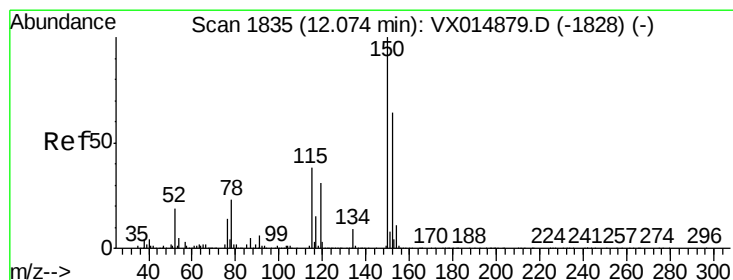
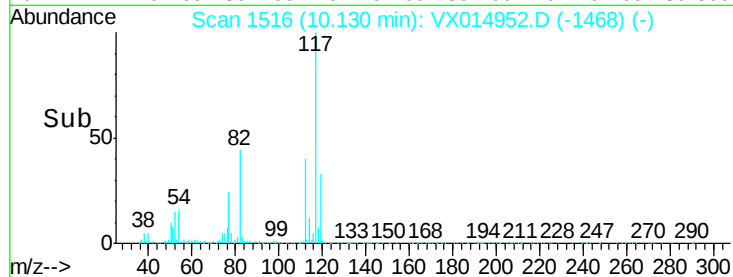
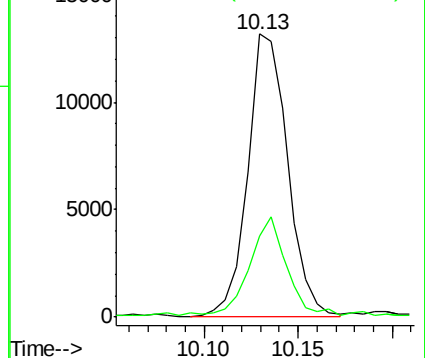
112 100

114 27.9 25.6 38.4



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014952.D

Acq: 18 Feb 2020 12:23

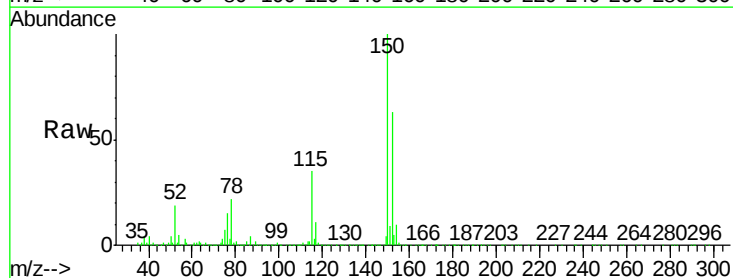
Tgt Ion:152 Resp: 332929

Ion Ratio Lower Upper

152 100

115 55.1 38.6 116.0

150 155.3 0.0 349.0



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

