

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\  
 Data File : VX010310.D  
 Acq On : 14 Jun 2019 18:59  
 Operator : JC/SP  
 Sample : K3387-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WASTE-TANK

Quant Time: Jun 15 03:05:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 08 02:12:13 2019  
 Response via : Initial Calibration

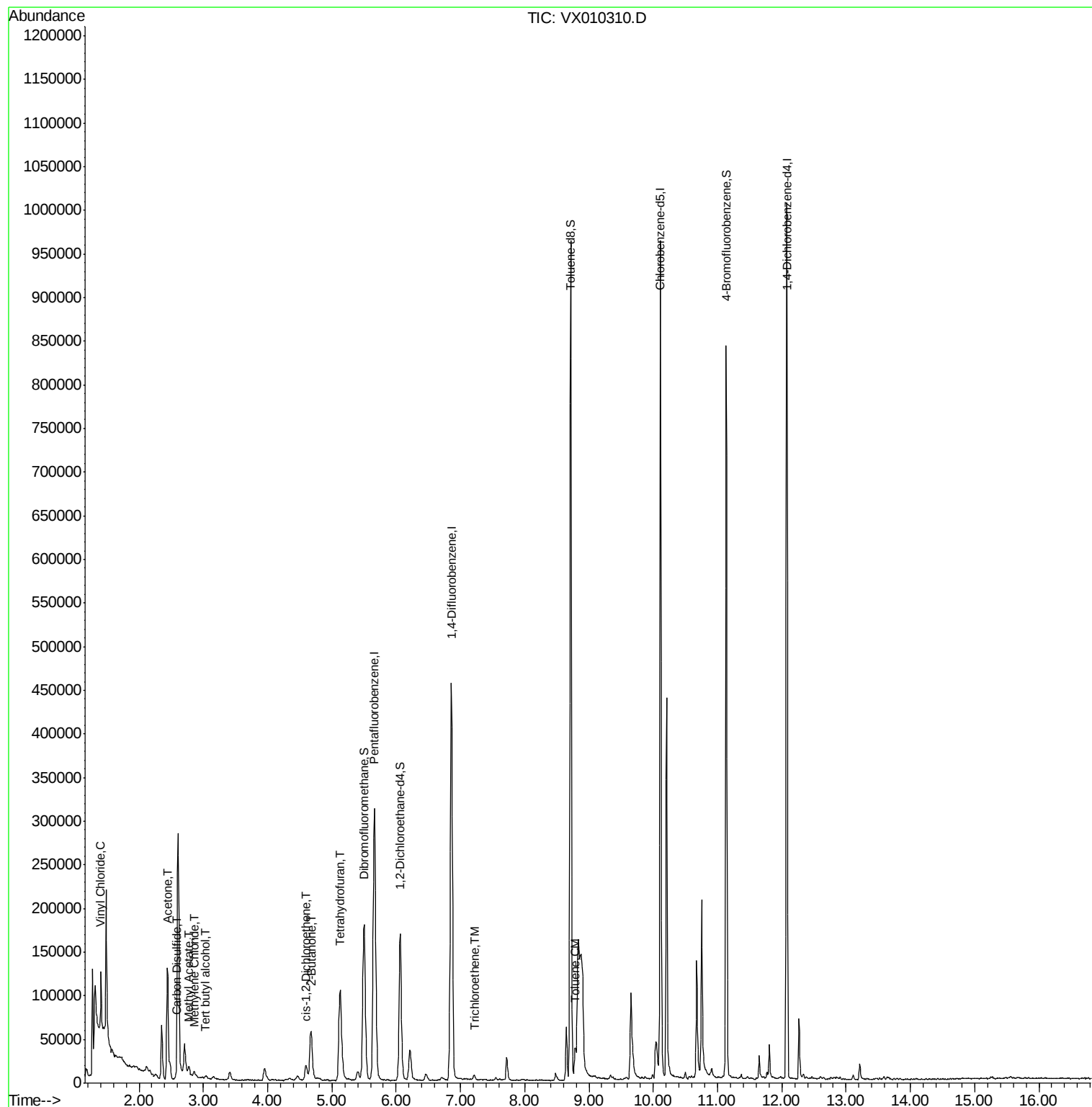
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 334805   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 505224   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 464986   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 228976   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 150887   | 46.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.34%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 153113   | 49.13  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.26%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 597131   | 51.13  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.26% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 210073   | 48.16  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.32%  |          |
| Target Compounds            |       |      |          |        |         |          |
|                             |       |      |          |        | Qvalue  |          |
| 4) Vinyl Chloride           | 1.41  | 62   | 43630    | 15.173 | ug/l #  | 84       |
| 11) Tert butyl alcohol      | 3.04  | 59   | 4385     | 5.477  | ug/l #  | 79       |
| 16) Acetone                 | 2.44  | 43   | 132457   | 86.173 | ug/l    | 89       |
| 17) Carbon Disulfide        | 2.57  | 76   | 9355     | 1.077  | ug/l #  | 95       |
| 18) Methyl Acetate          | 2.78  | 43   | 11062    | 3.272  | ug/l #  | 78       |
| 20) Methylene Chloride      | 2.85  | 84   | 2963     | 0.878  | ug/l #  | 83       |
| 25) 2-Butanone              | 4.67  | 43   | 99244    | 43.359 | ug/l #  | 81       |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 12564    | 3.394  | ug/l    | 71       |
| 29) Tetrahydrofuran         | 5.13  | 42   | 50984    | 35.443 | ug/l #  | 76       |
| 44) Trichloroethene         | 7.21  | 130  | 2042     | 0.532  | ug/l    | 94       |
| 52) Toluene                 | 8.79  | 92   | 13302    | 1.588  | ug/l    | 100      |

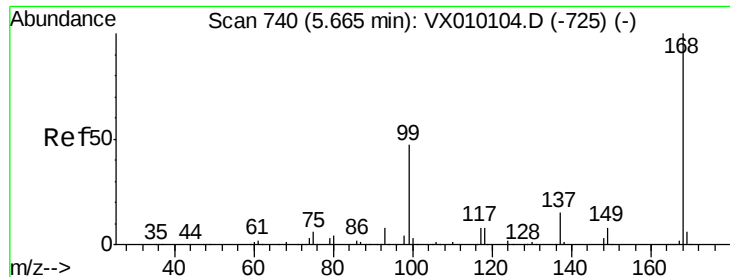
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\  
Data File : VX010310.D  
Acq On : 14 Jun 2019 18:59  
Operator : JC/SP  
Sample : K3387-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-TANK

Quant Time: Jun 15 03:05:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 08 02:12:13 2019  
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: VX010310.D

Acq: 14 Jun 2019 18:59

Instrument :

MSVOA\_X

ClientSampleId :

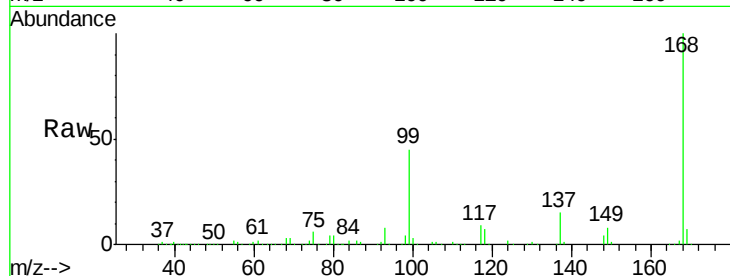
WASTE-TANK

Tot Ion:168 Resp: 334805

Ion Ratio Lower Upper

168 100

99 45.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

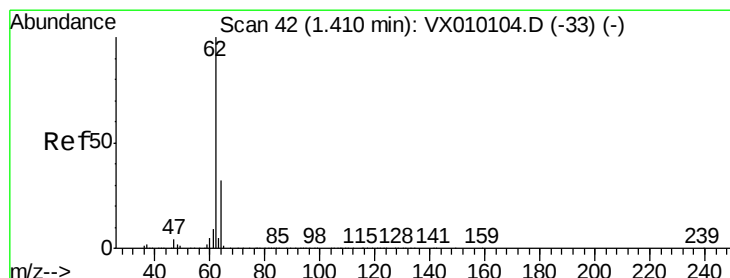
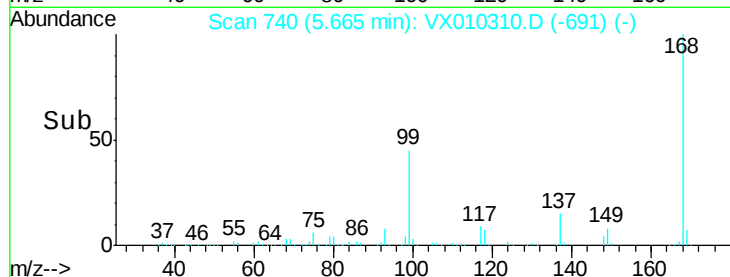
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 15.173 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010310.D

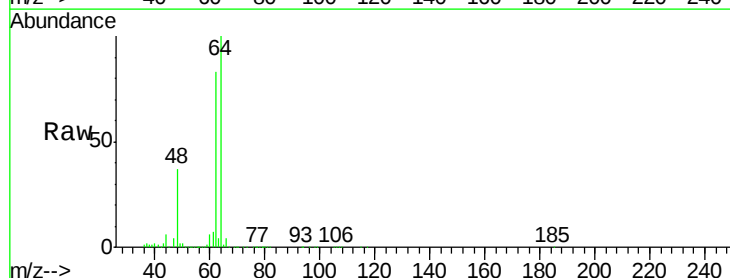
Acq: 14 Jun 2019 18:59

Tgt Ion: 62 Resp: 43630

Ion Ratio Lower Upper

62 100

64 41.2 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

80000

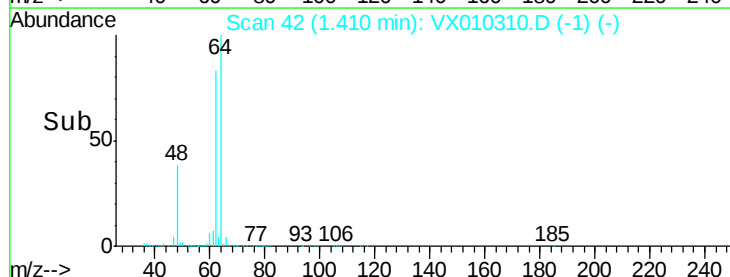
60000

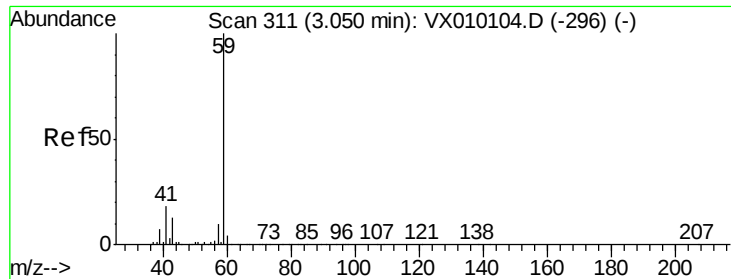
40000

20000

0

Time--> 1.30 1.40 1.50

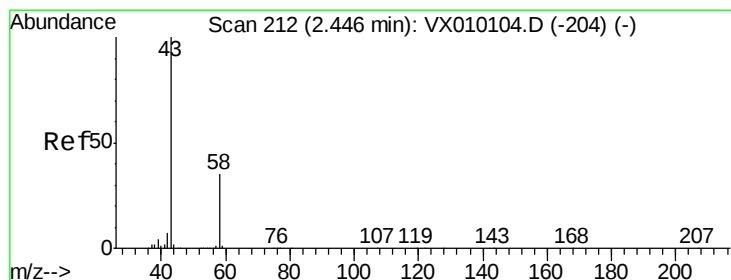
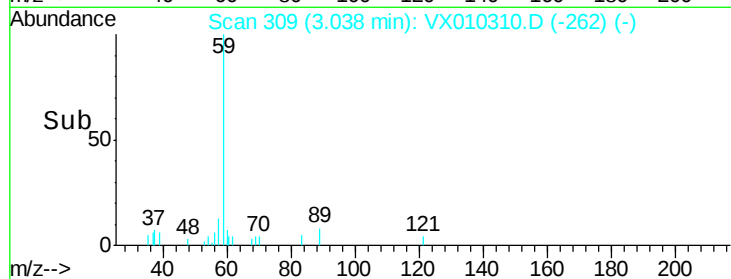
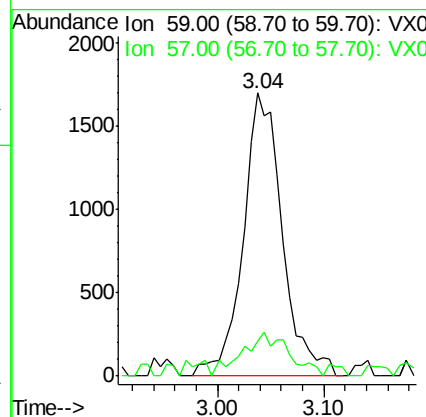
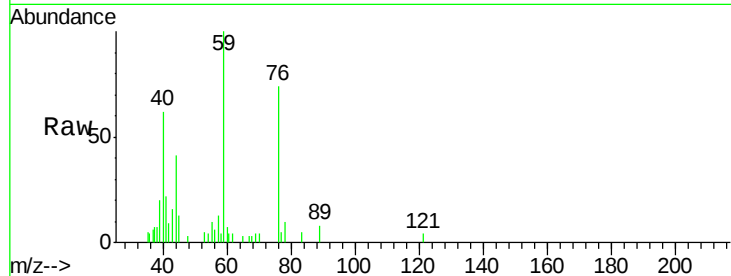




#11  
Tert butyl alcohol  
Concen: 5.477 ug/l  
RT: 3.04 min Scan# 309  
Delta R.T. -0.01 min  
Lab File: VX010310.D  
Acq: 14 Jun 2019 18:59

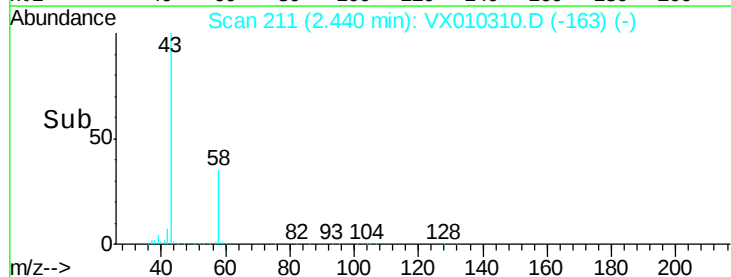
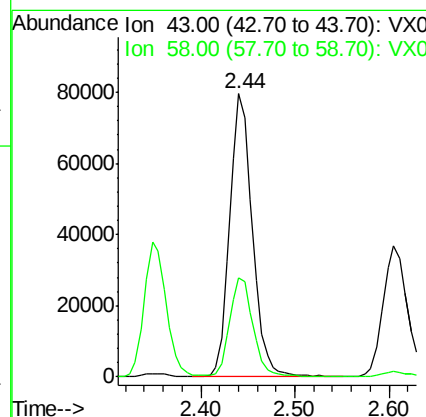
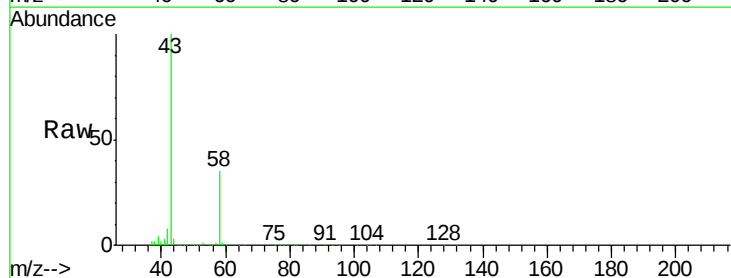
Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-TANK

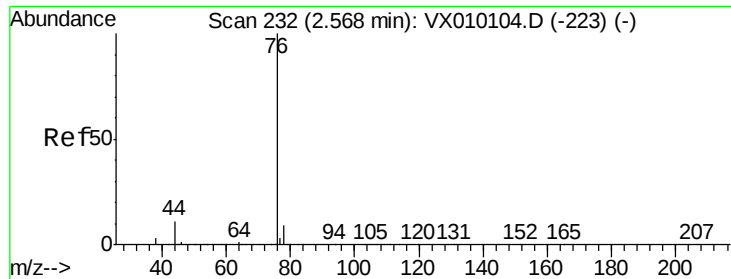
Tot Ion: 59 Resp: 4385  
Ion Ratio Lower Upper  
59 100  
57 18.2 8.2 12.2#



#16  
Acetone  
Concen: 86.173 ug/l  
RT: 2.44 min Scan# 211  
Delta R.T. -0.01 min  
Lab File: VX010310.D  
Acq: 14 Jun 2019 18:59

Tgt Ion: 43 Resp: 132457  
Ion Ratio Lower Upper  
43 100  
58 34.8 23.2 34.8





#17

Carbon Disulfide

Concen: 1.077 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010310.D

Acq: 14 Jun 2019 18:59

Instrument :

MSVOA\_X

ClientSampleId :

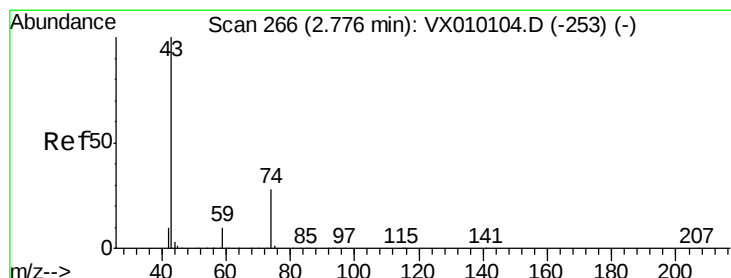
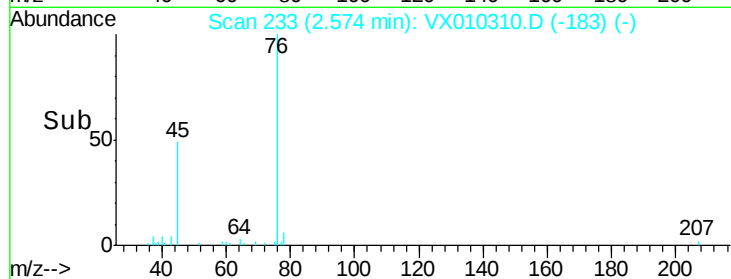
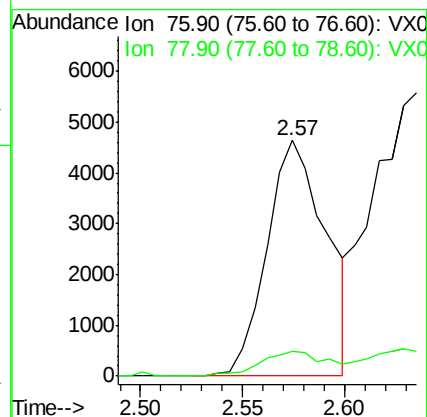
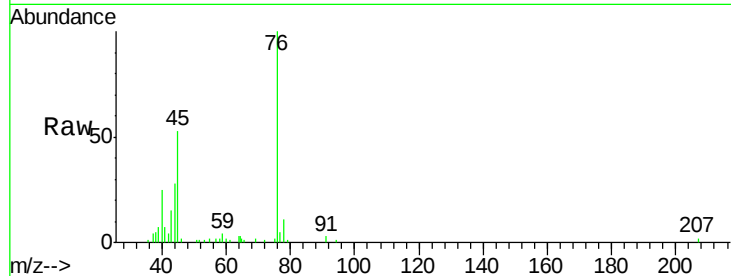
WASTE-TANK

Tot Ion: 76 Resp: 9355

Ion Ratio Lower Upper

76 100

78 10.6 7.0 10.6#



#18

Methyl Acetate

Concen: 3.272 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010310.D

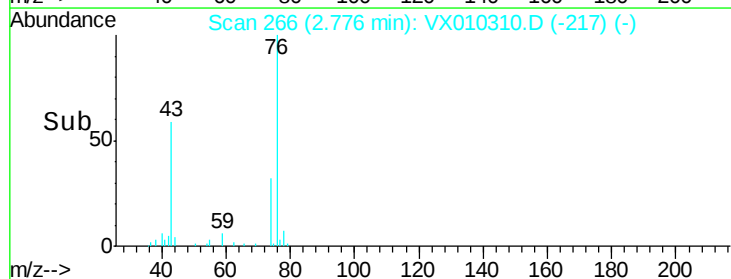
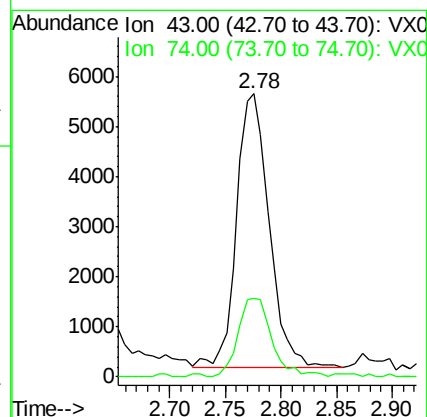
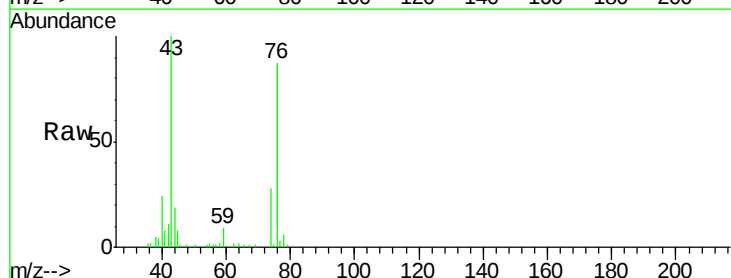
Acq: 14 Jun 2019 18:59

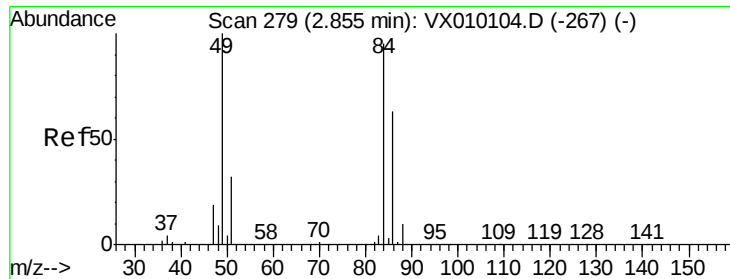
Tgt Ion: 43 Resp: 11062

Ion Ratio Lower Upper

43 100

74 29.8 15.8 23.6#

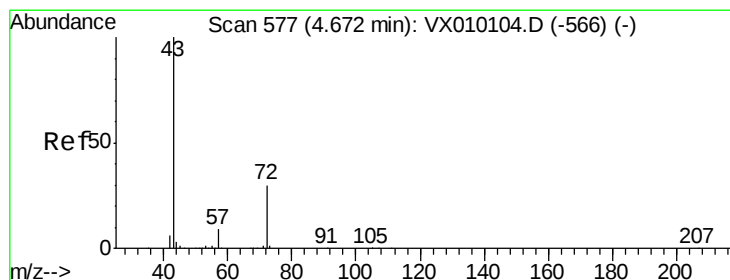
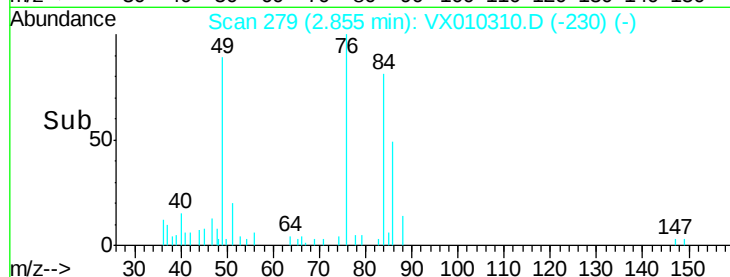
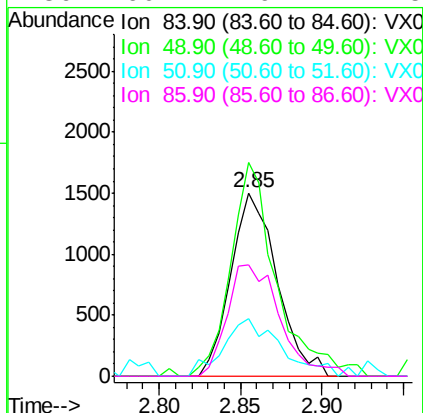
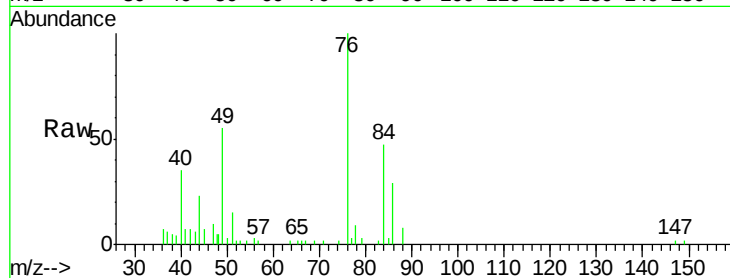




#20  
Methvlene Chloride  
Concen: 0.878 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.00 min  
Lab File: VX010310.D  
Acq: 14 Jun 2019 18:59

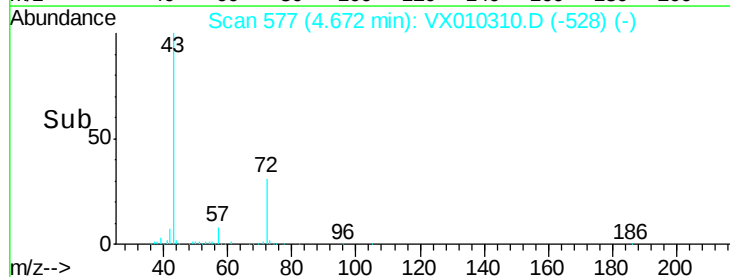
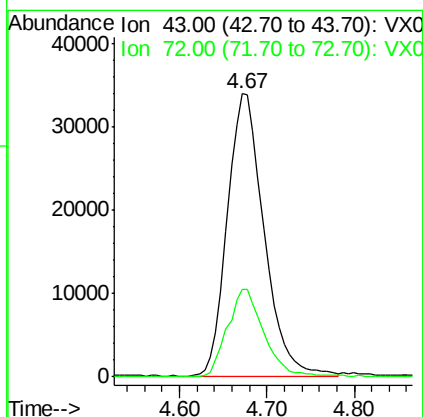
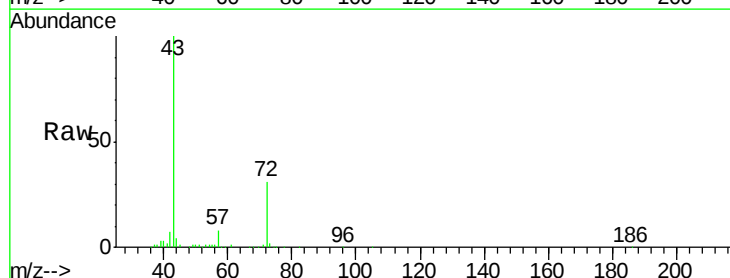
Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-TANK

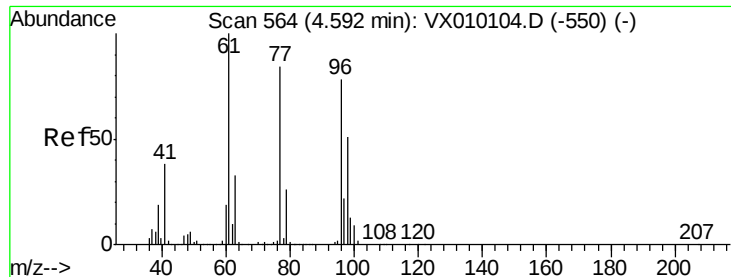
Tot Ion: 84 Resp: 2963  
Ion Ratio Lower Upper  
84 100  
49 116.3 115.8 173.6  
51 31.7 34.4 51.6#  
86 60.4 49.7 74.5



#25  
2-Butanone  
Concen: 43.359 ug/l  
RT: 4.67 min Scan# 577  
Delta R.T. -0.00 min  
Lab File: VX010310.D  
Acq: 14 Jun 2019 18:59

Tgt Ion: 43 Resp: 99244  
Ion Ratio Lower Upper  
43 100  
72 31.0 17.5 26.3#



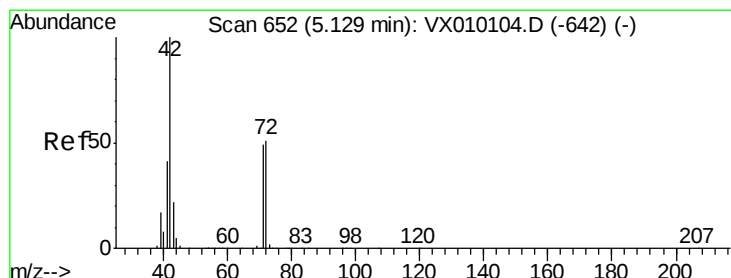
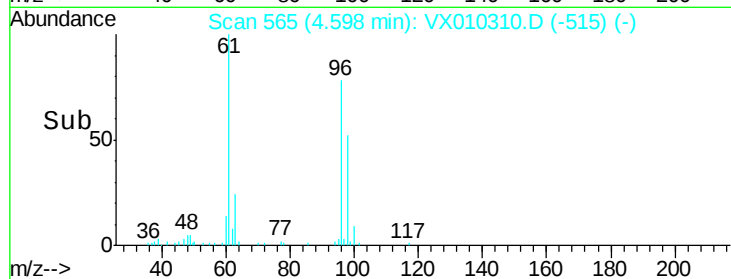
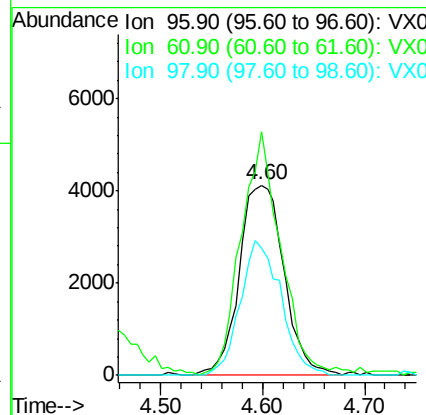
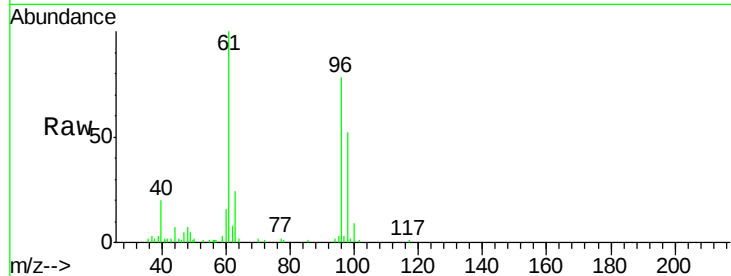


#27

cis-1,2-Dichloroethene  
 Concen: 3.394 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. 0.01 min  
 Lab File: VX010310.D  
 Acq: 14 Jun 2019 18:59

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WASTE-TANK

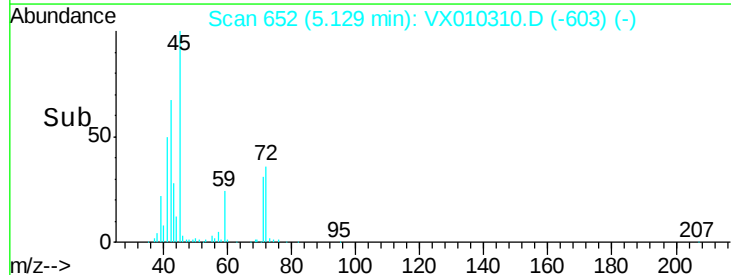
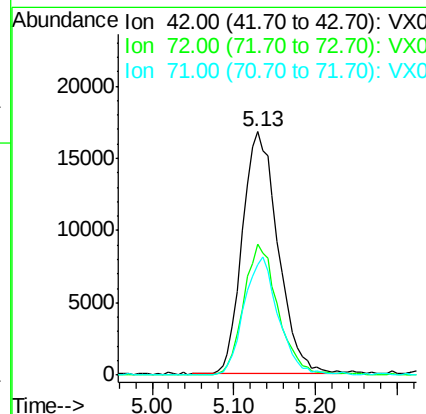
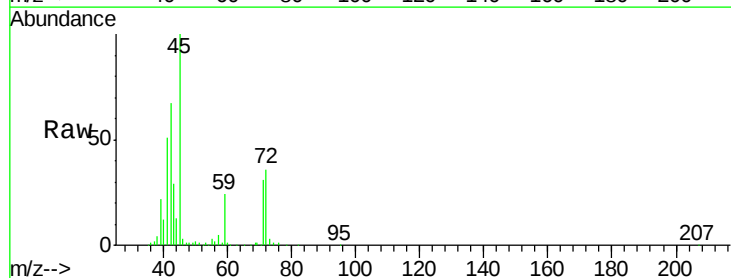
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 113.9 | 0.0   | 334.0 |
| 98      | 64.5  | 0.0   | 131.6 |

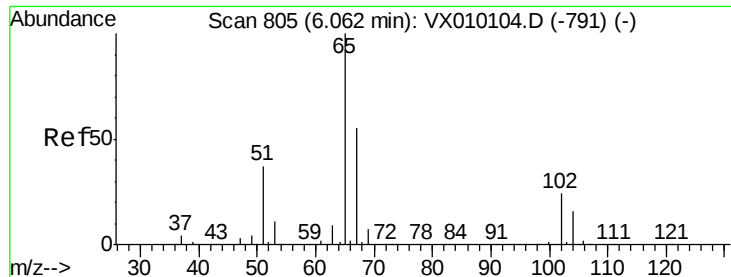


#29

Tetrahydrofuran  
 Concen: 35.443 ug/l  
 RT: 5.13 min Scan# 652  
 Delta R.T. -0.00 min  
 Lab File: VX010310.D  
 Acq: 14 Jun 2019 18:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 52.0  | 29.2  | 43.8# |
| 71      | 46.8  | 27.6  | 41.4# |





#33

1,2-Dichloroethane-d4

Concen: 46.170 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010310.D

Acq: 14 Jun 2019 18:59

Instrument :

MSVOA\_X

ClientSampleId :

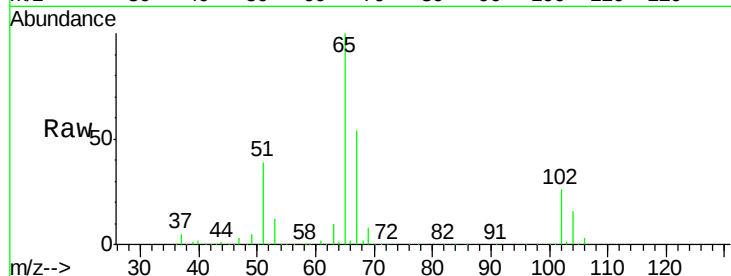
WASTE-TANK

Tot Ion: 65 Resp: 150887

Ion Ratio Lower Upper

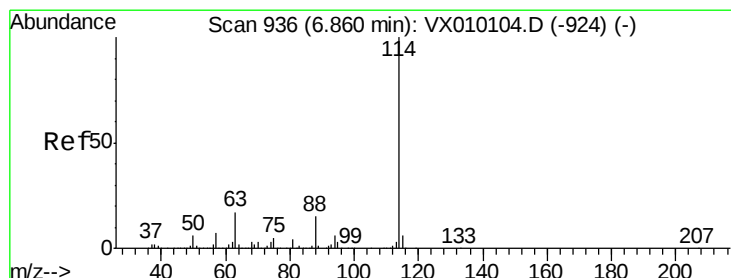
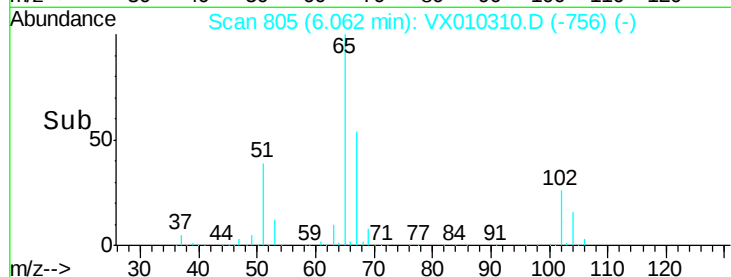
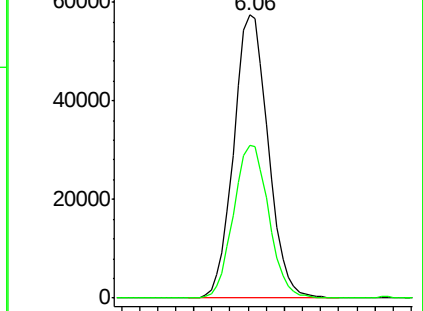
65 100

67 55.6 0.0 108.4



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: VX010310.D

Acq: 14 Jun 2019 18:59

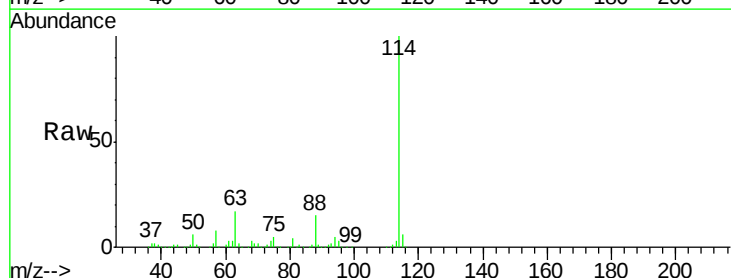
Tgt Ion: 114 Resp: 505224

Ion Ratio Lower Upper

114 100

63 17.3 0.0 47.4

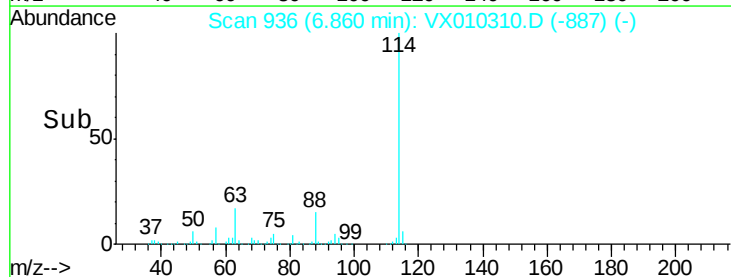
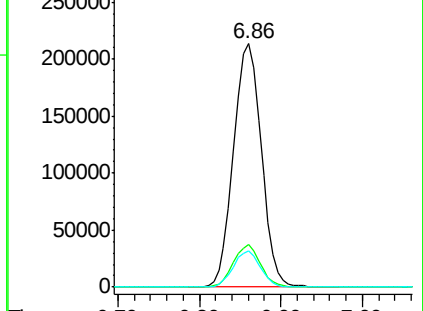
88 14.9 0.0 33.0

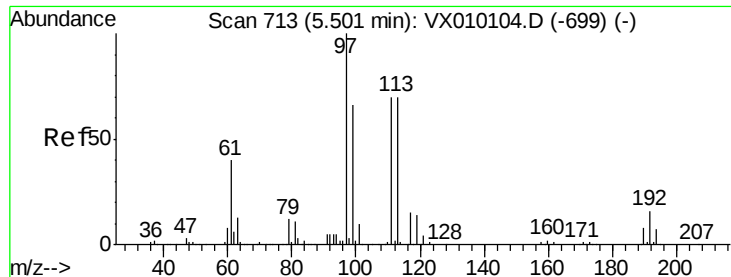


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.132 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010310.D

Acq: 14 Jun 2019 18:59

Instrument :

MSVOA\_X

ClientSampleId :

WASTE-TANK

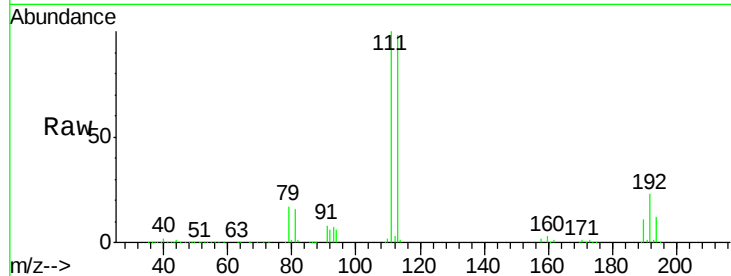
Tot Ion:113 Resp: 153113

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

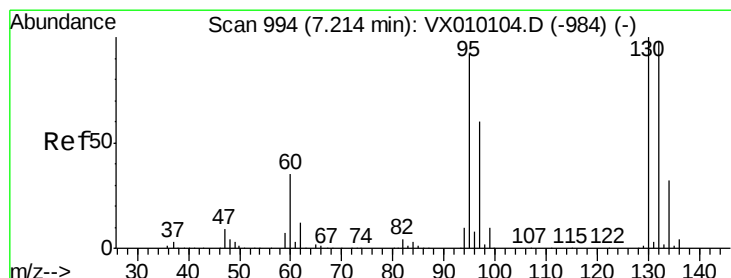
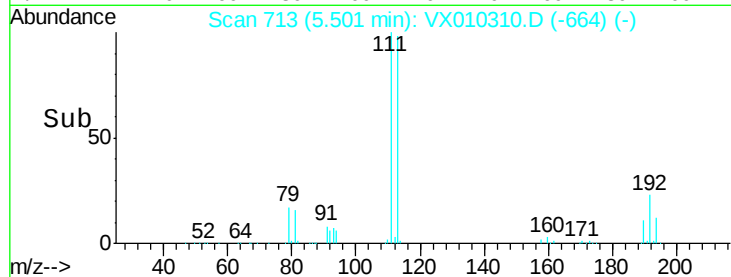
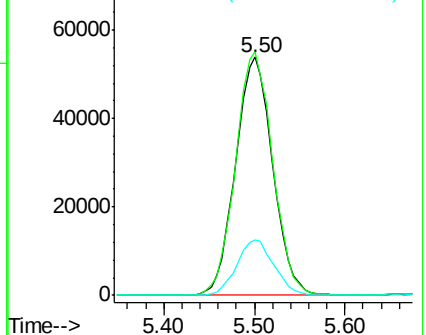
192 23.2 17.1 25.7



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: 0.532 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010310.D

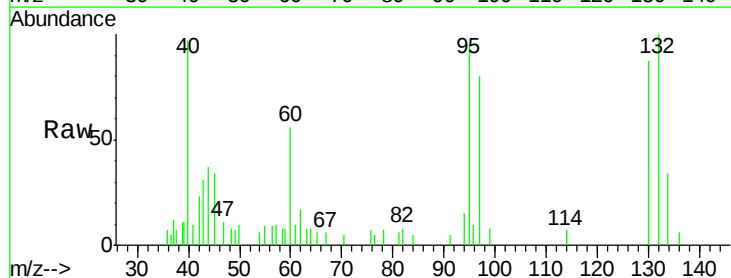
Acq: 14 Jun 2019 18:59

Tgt Ion:130 Resp: 2042

Ion Ratio Lower Upper

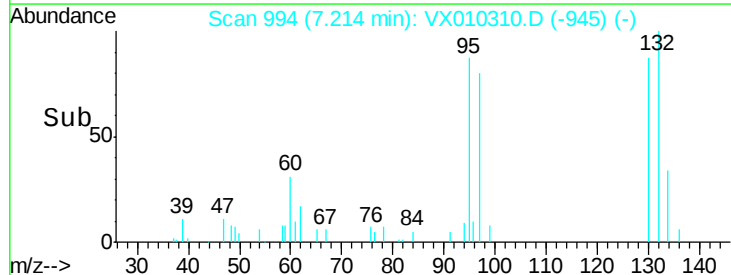
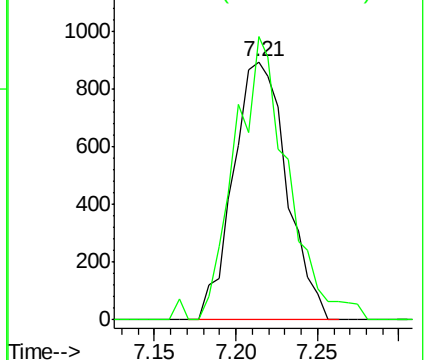
130 100

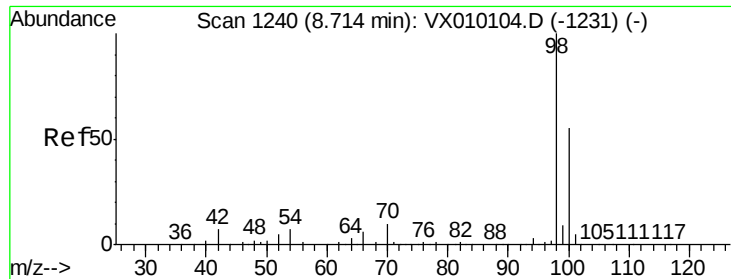
95 109.6 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

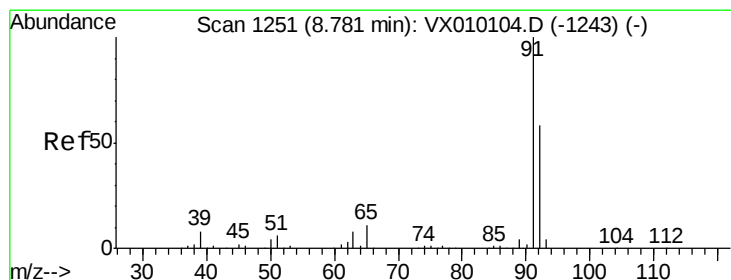
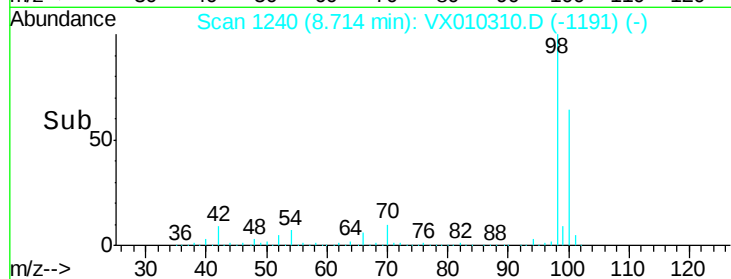
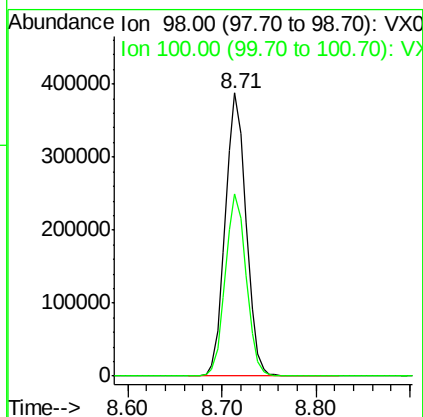
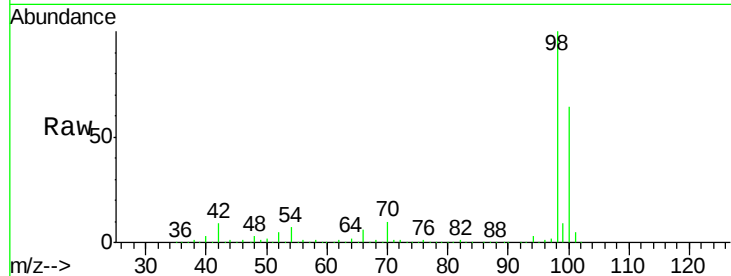




#50  
Toluene-d8  
Concen: 51.126 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX010310.D  
Acq: 14 Jun 2019 18:59

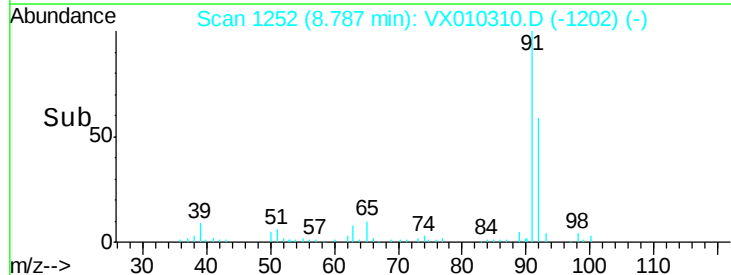
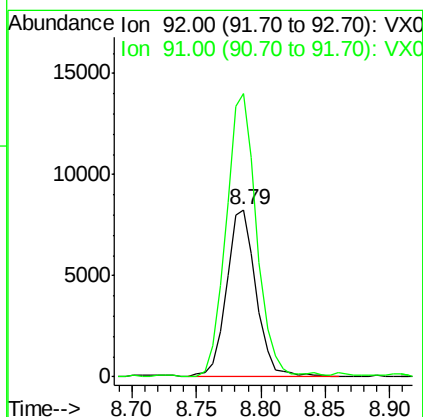
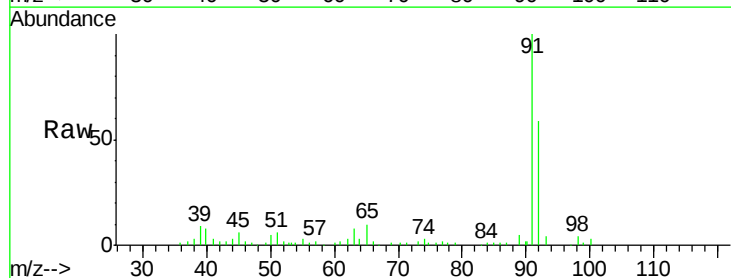
Instrument :  
MSVOA\_X  
ClientSampleId :  
WASTE-TANK

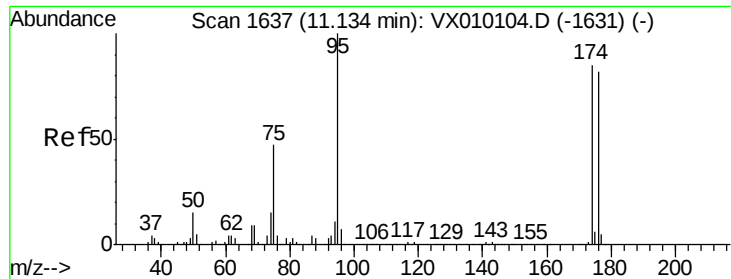
Tot Ion: 98 Resp: 597131  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.5 77.3



#52  
Toluene  
Concen: 1.588 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. 0.01 min  
Lab File: VX010310.D  
Acq: 14 Jun 2019 18:59

Tgt Ion: 92 Resp: 13302  
Ion Ratio Lower Upper  
92 100  
91 174.6 139.9 209.9





#62

4-Bromofluorobenzene

Concen: 48.162 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010310.D

Acq: 14 Jun 2019 18:59

Instrument :

MSVOA\_X

ClientSampleId :

WASTE-TANK

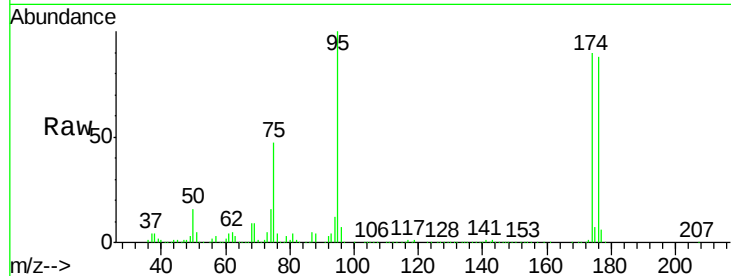
Tot Ion: 95 Resp: 210073

Ion Ratio Lower Upper

95 100

174 95.1 0.0 160.4

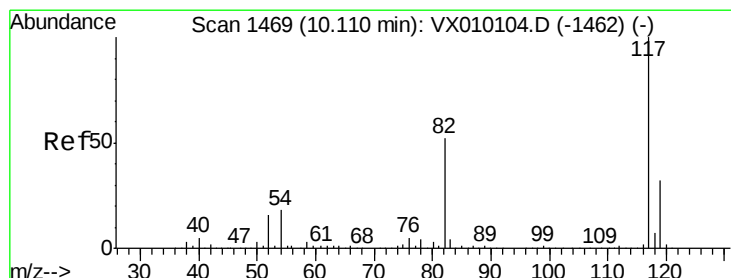
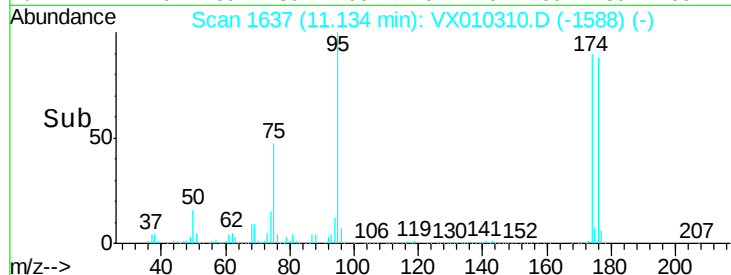
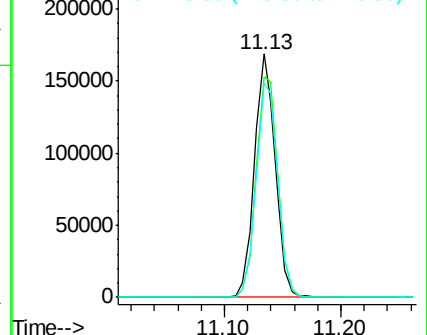
176 91.8 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010310.D

Acq: 14 Jun 2019 18:59

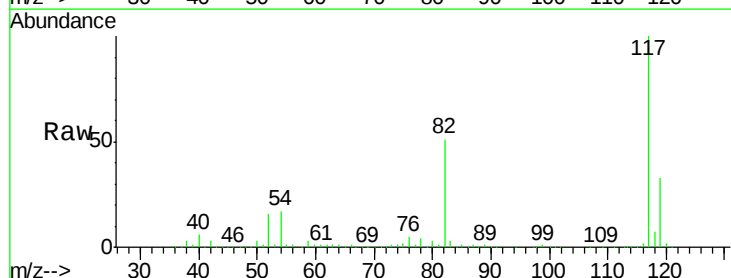
Tgt Ion: 117 Resp: 464986

Ion Ratio Lower Upper

117 100

82 51.3 49.2 73.8

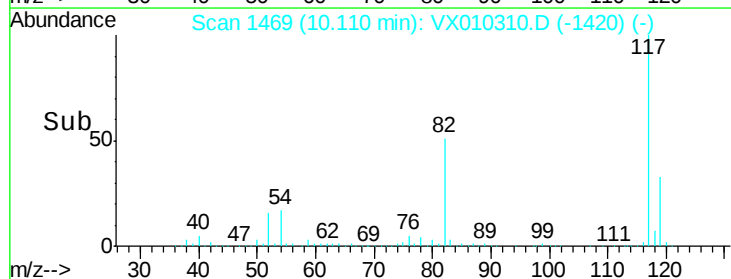
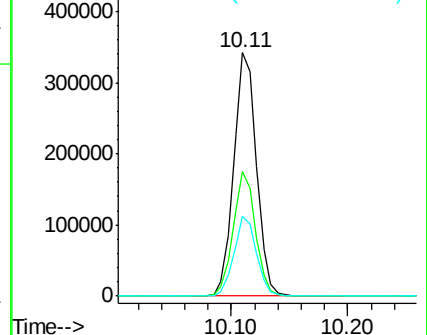
119 32.5 25.2 37.8

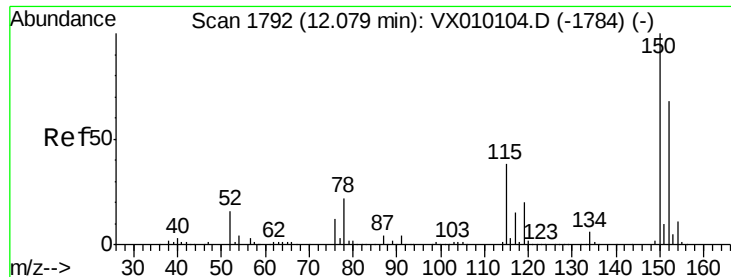


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010310.D

Acq: 14 Jun 2019 18:59

Instrument :

MSVOA\_X

ClientSampleId :

WASTE-TANK

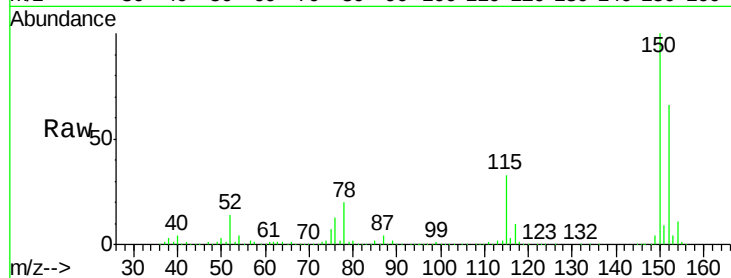
Tot Ion:152 Resp: 228976

Ion Ratio Lower Upper

152 100

115 53.8 41.4 124.2

150 156.0 0.0 345.2



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

