

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\  
 Data File : VX006671.D  
 Acq On : 20 Dec 2018 13:07  
 Operator : JC/MD  
 Sample : J6484-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 964-MW-02(23.8)

Quant Time: Dec 21 04:05:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 19 15:20:58 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 655690   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 1028967  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 946011   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 451641   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 351515   | 49.74 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.48% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 306423   | 47.09 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.18% |          |
| 50) Toluene-d8              | 8.71  | 98   | 1223327  | 49.87 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.74% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 439927   | 48.97 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.94% |          |

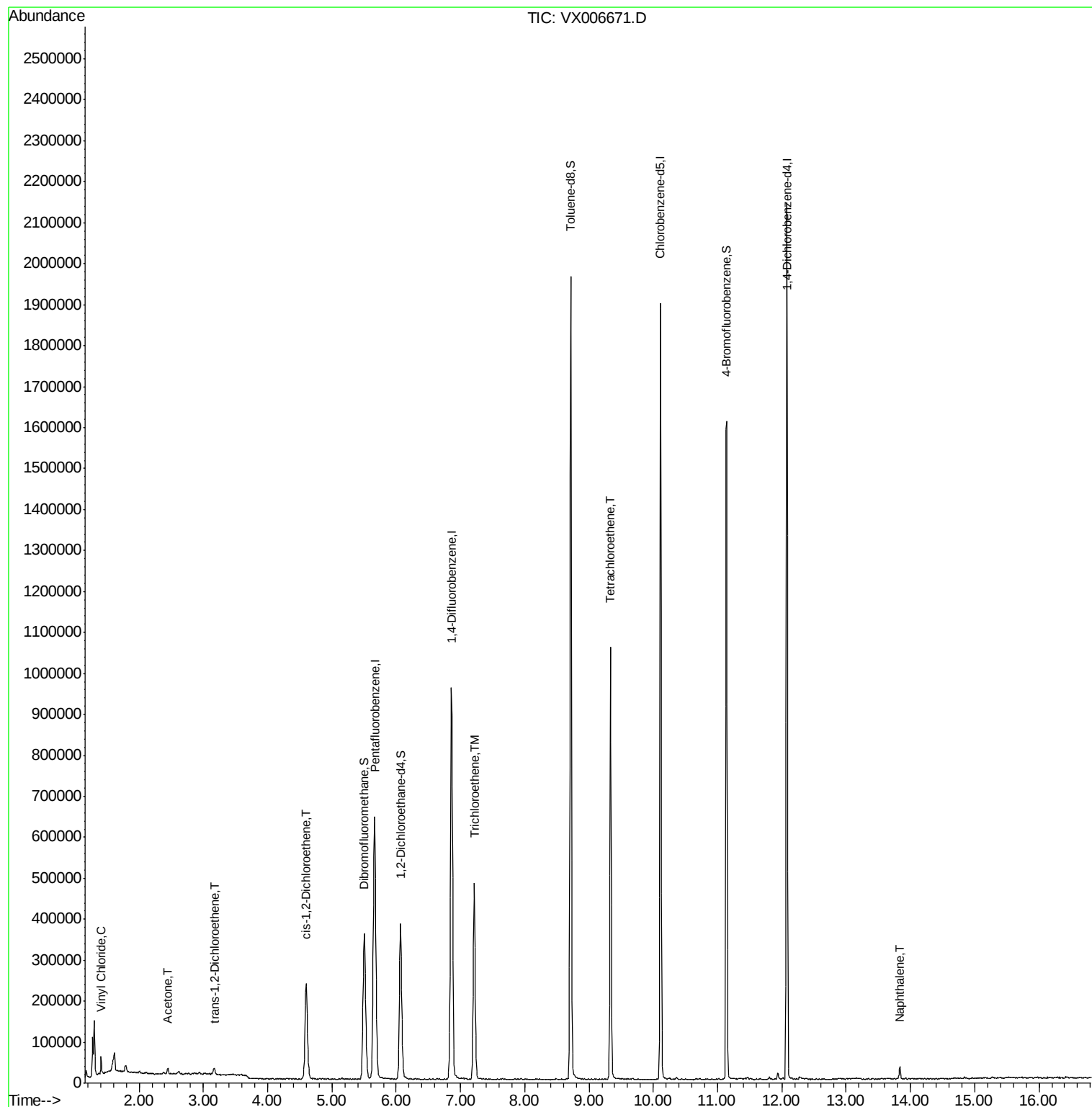
| Target Compounds             | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|------------------------------|-------|------|----------|--------|-------|--------|
| 4) Vinyl Chloride            | 1.41  | 62   | 8952     | 1.326  | ug/l  | 97     |
| 16) Acetone                  | 2.45  | 43   | 12729    | 3.921  | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene | 3.17  | 96   | 6972     | 1.074  | ug/l  | 92     |
| 27) cis-1,2-Dichloroethene   | 4.60  | 96   | 161566   | 22.560 | ug/l  | 92     |
| 44) Trichloroethene          | 7.21  | 130  | 194707   | 24.833 | ug/l  | 99     |
| 64) Tetrachloroethene        | 9.33  | 164  | 207267   | 27.669 | ug/l  | 97     |
| 95) Naphthalene              | 13.83 | 128  | 22873    | 0.690  | ug/l  | 97     |

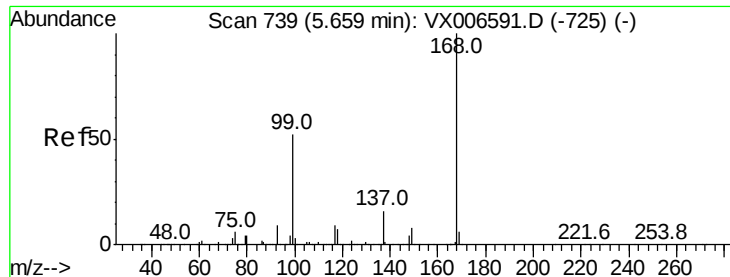
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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964-MW-02(23.8)

Quant Time: Dec 21 04:05:55 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 19 15:20:58 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006671.D

Acq: 20 Dec 2018 13:07

Instrument :

MSVOA\_X

ClientSampleId :

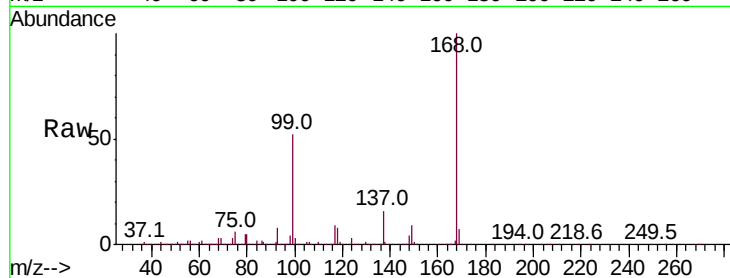
964-MW-02(23.8)

Tot Ion:168 Resp: 655690

Ion Ratio Lower Upper

168 100

99 52.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

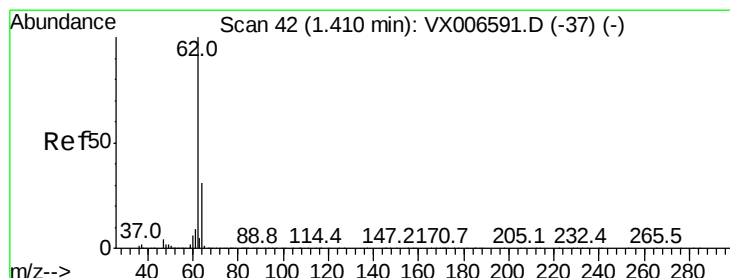
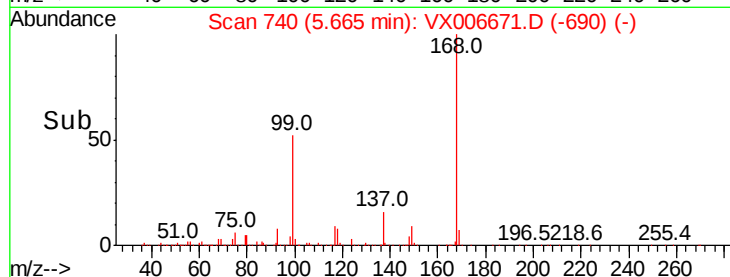
50000

0

5.66

5.50 5.60 5.70 5.80

Time-->



#4

Vinyl Chloride

Concen: 1.326 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006671.D

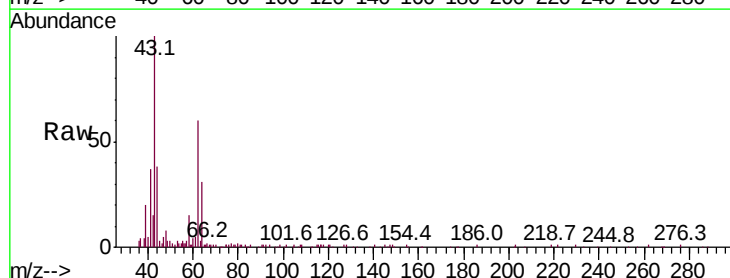
Acq: 20 Dec 2018 13:07

Tgt Ion: 62 Resp: 8952

Ion Ratio Lower Upper

62 100

64 33.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

10000

8000

6000

4000

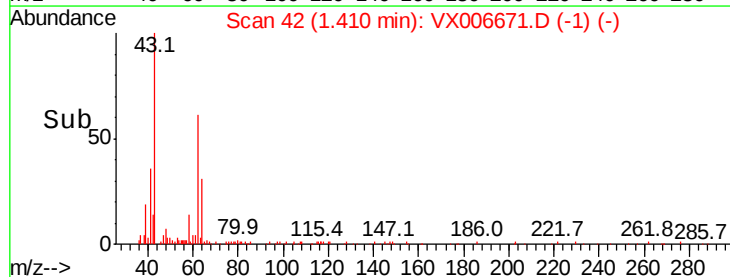
2000

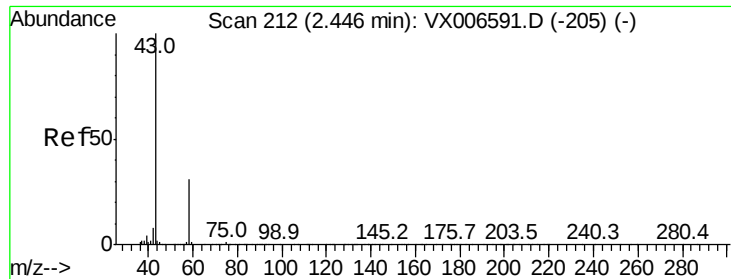
0

1.41

1.40 1.45

Time-->

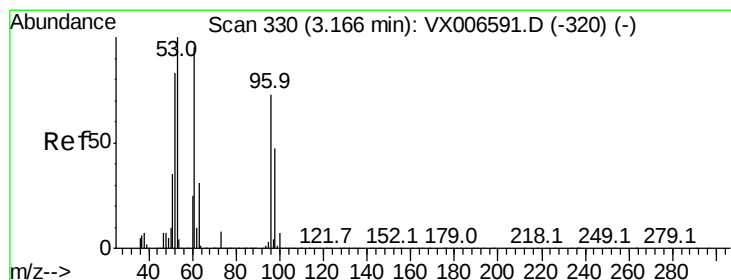
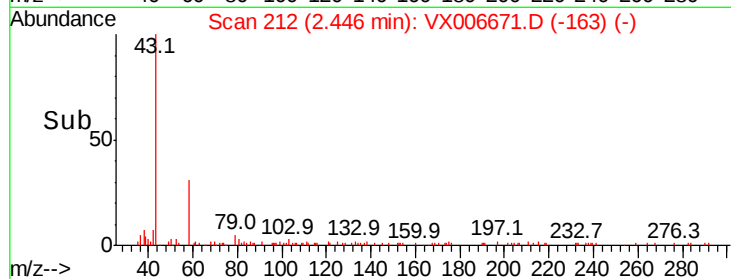
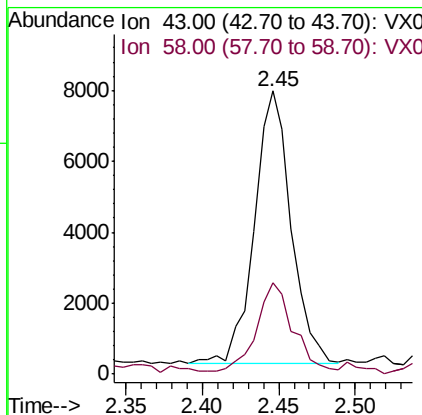
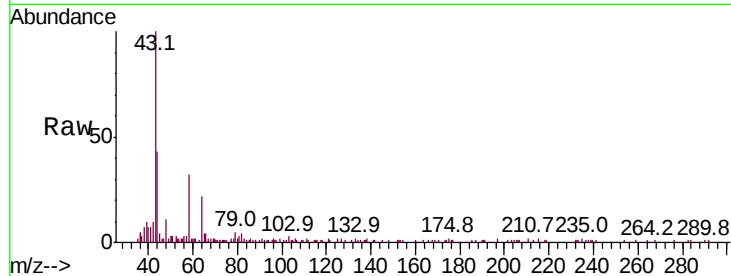




#16  
Acetone  
Concen: 3.921 ug/l  
RT: 2.45 min Scan# 212  
Delta R.T. -0.00 min  
Lab File: VX006671.D  
Acq: 20 Dec 2018 13:07

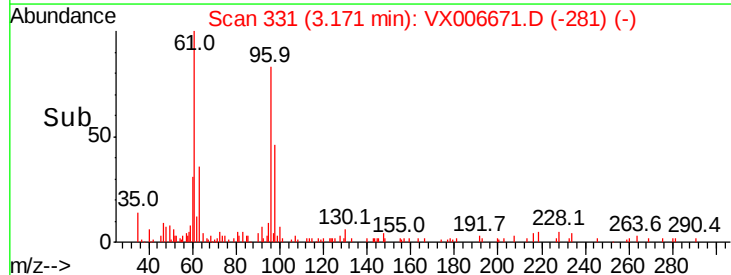
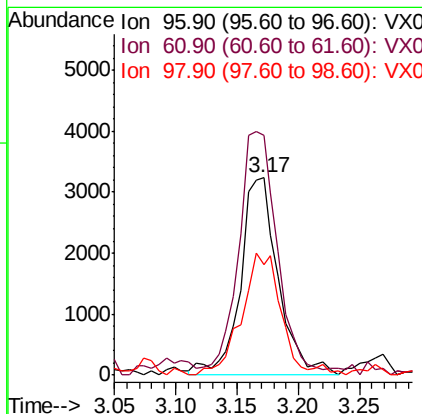
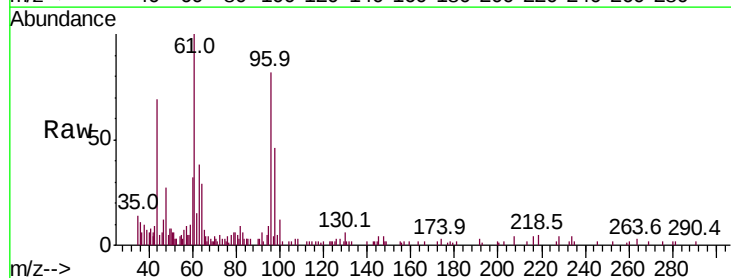
Instrument :  
MSVOA\_X  
ClientSampleId :  
964-MW-02(23.8)

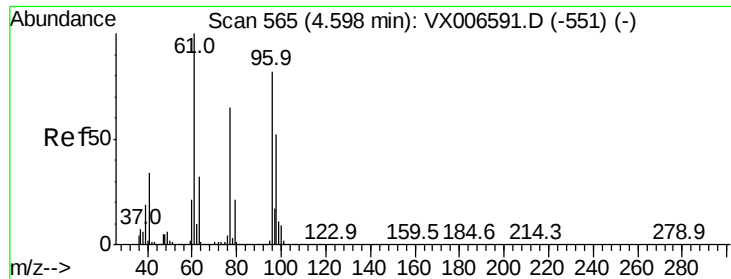
Tot Ion: 43 Resp: 12729  
Ion Ratio Lower Upper  
43 100  
58 31.8 25.0 37.6



#21  
trans-1,2-Dichloroethene  
Concen: 1.074 ug/l  
RT: 3.17 min Scan# 331  
Delta R.T. 0.01 min  
Lab File: VX006671.D  
Acq: 20 Dec 2018 13:07

Tgt Ion: 96 Resp: 6972  
Ion Ratio Lower Upper  
96 100  
61 120.4 103.7 155.5  
98 57.2 51.0 76.6



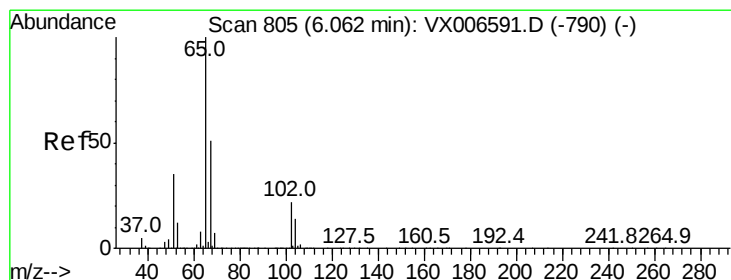
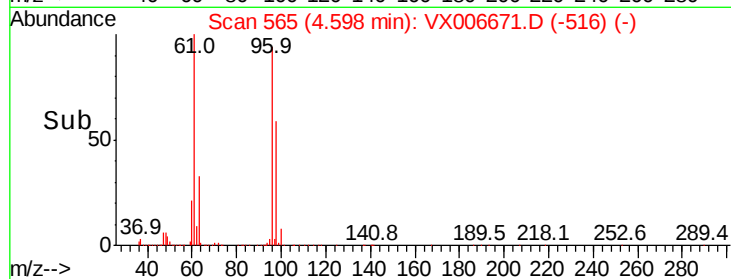
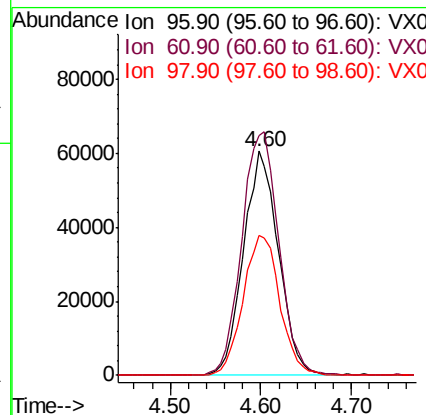
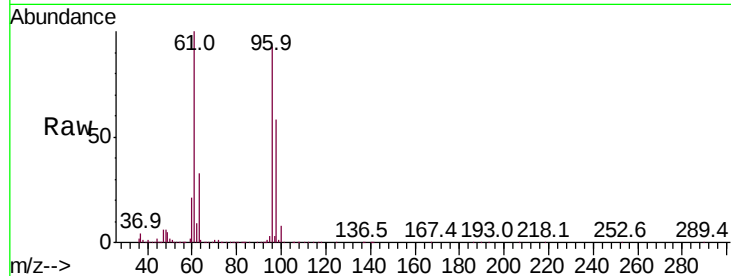


#27

cis-1,2-Dichloroethene  
 Concen: 22.560 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. -0.00 min  
 Lab File: VX006671.D  
 Acq: 20 Dec 2018 13:07

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 964-MW-02(23.8)

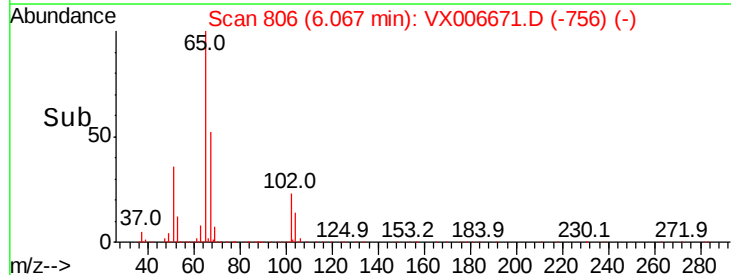
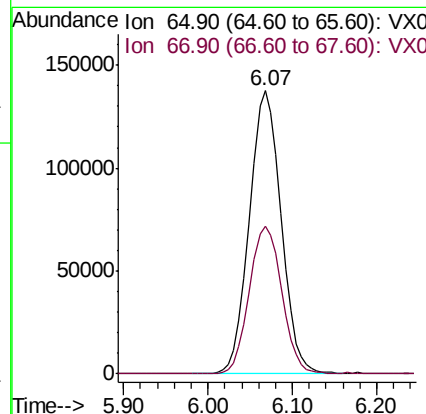
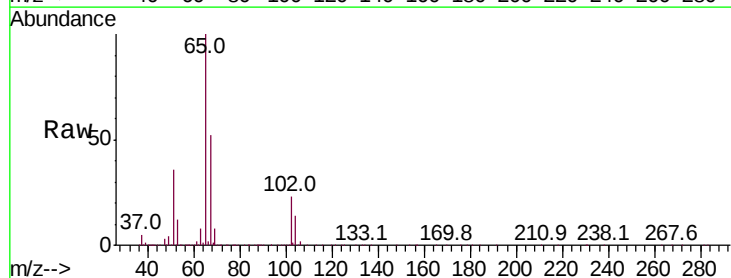
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 115.7 | 0.0   | 258.6 |
| 98      | 65.4  | 0.0   | 132.0 |

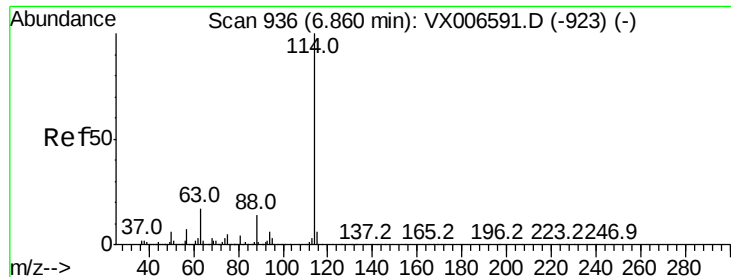


#33

1,2-Dichloroethane-d4  
 Concen: 49.742 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.01 min  
 Lab File: VX006671.D  
 Acq: 20 Dec 2018 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.4  | 0.0   | 105.0 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006671.D

Acq: 20 Dec 2018 13:07

Instrument :

MSVOA\_X

ClientSampleId :

964-MW-02(23.8)

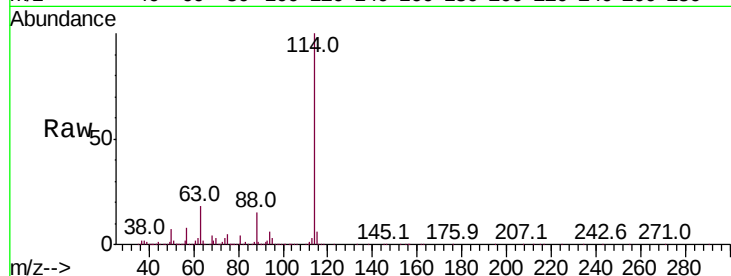
Tot Ion:114 Resp: 1028967

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.8

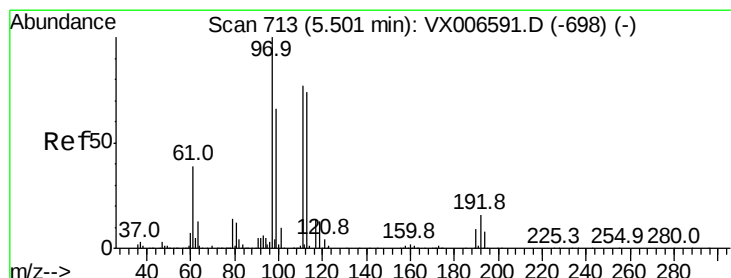
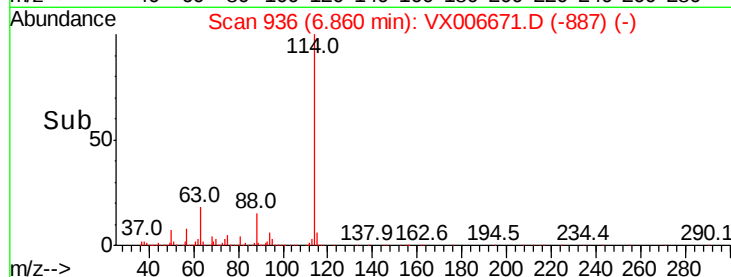
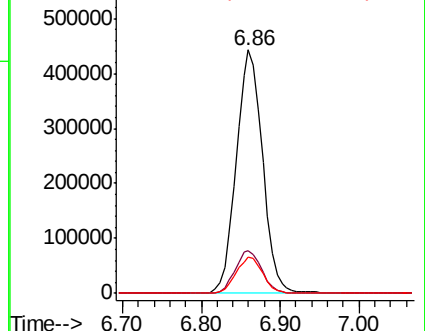
88 14.9 0.0 28.8



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: 47.091 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006671.D

Acq: 20 Dec 2018 13:07

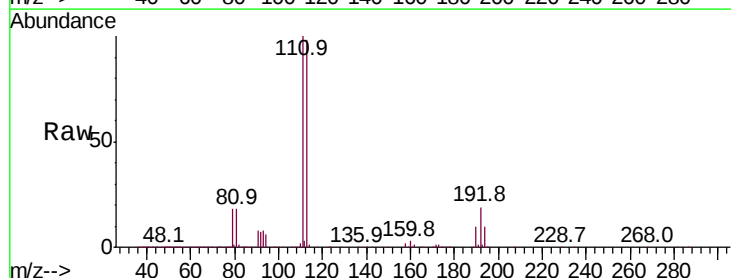
Tgt Ion:113 Resp: 306423

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

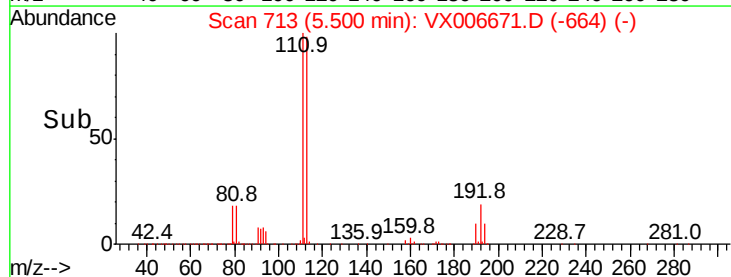
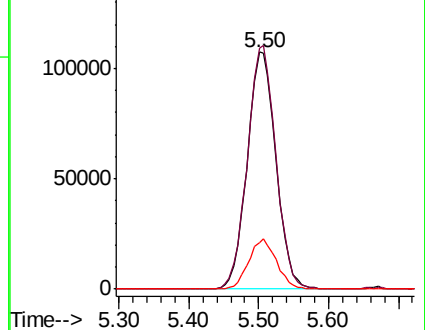
192 20.6 16.7 25.1

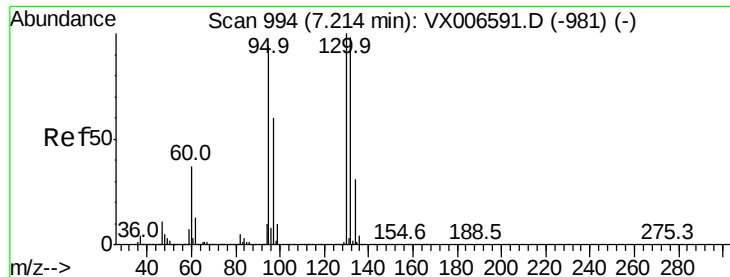


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 24.833 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006671.D

Acq: 20 Dec 2018 13:07

Instrument :

MSVOA\_X

ClientSampleId :

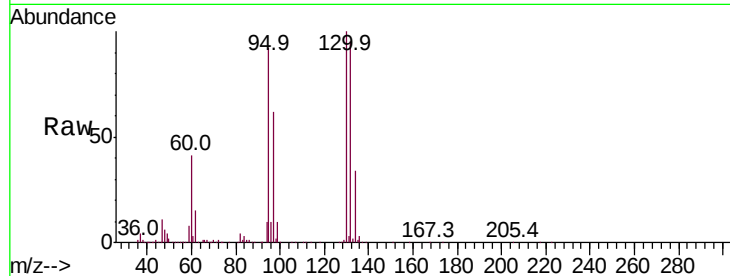
964-MW-02(23.8)

Tot Ion:130 Resp: 194707

Ion Ratio Lower Upper

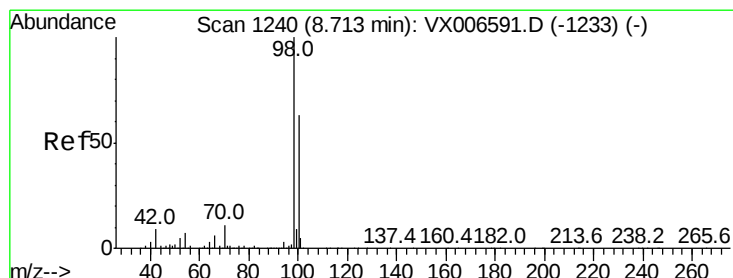
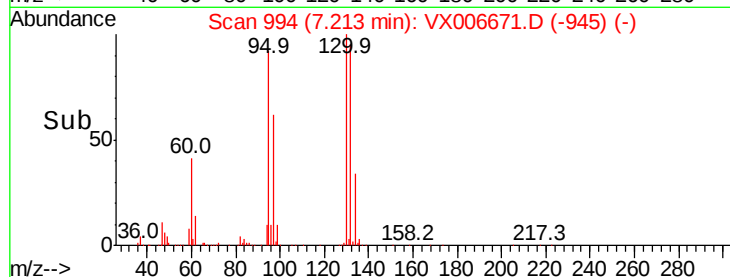
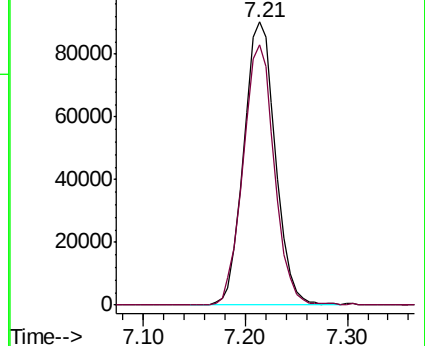
130 100

95 92.1 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.867 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006671.D

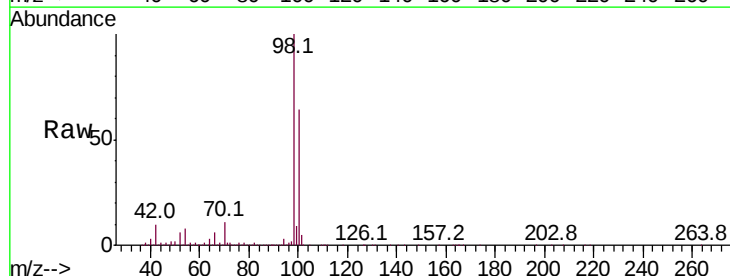
Acq: 20 Dec 2018 13:07

Tgt Ion: 98 Resp: 1223327

Ion Ratio Lower Upper

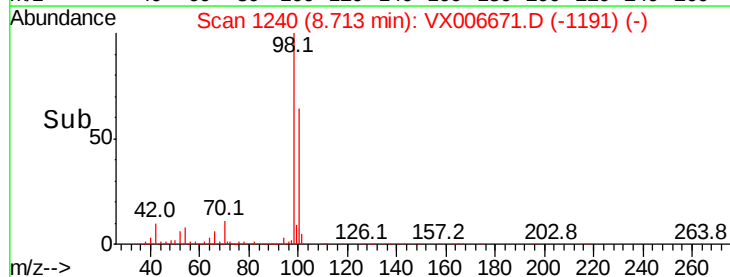
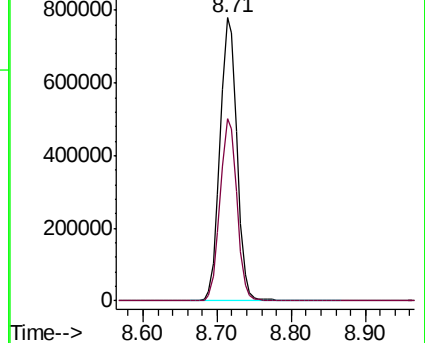
98 100

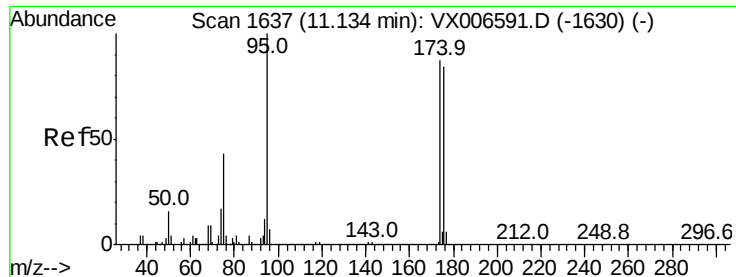
100 64.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.965 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006671.D

Acq: 20 Dec 2018 13:07

Instrument :

MSVOA\_X

ClientSampleId :

964-MW-02(23.8)

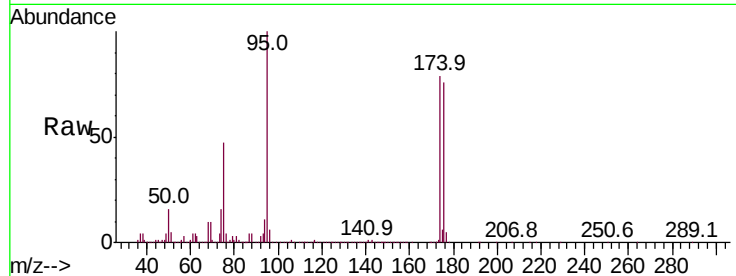
Tot Ion: 95 Resp: 439927

Ion Ratio Lower Upper

95 100

174 87.6 0.0 182.2

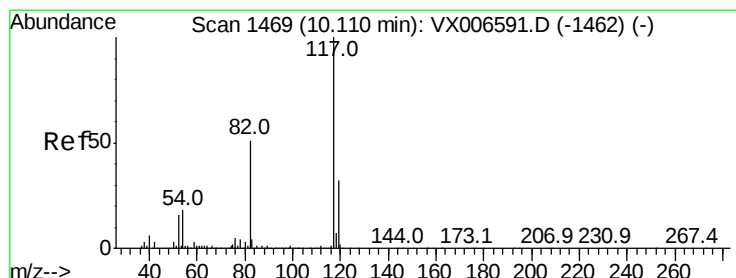
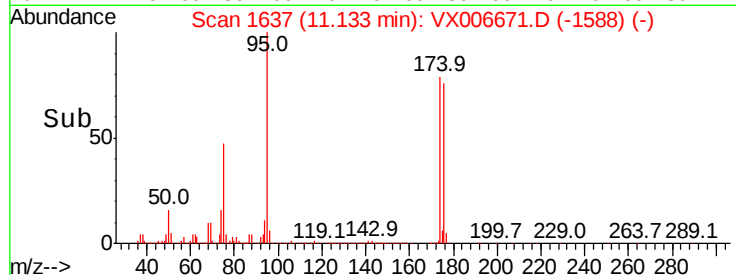
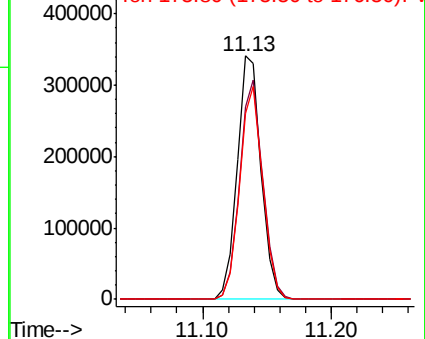
176 84.7 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006671.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006671.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006671.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006671.D

Acq: 20 Dec 2018 13:07

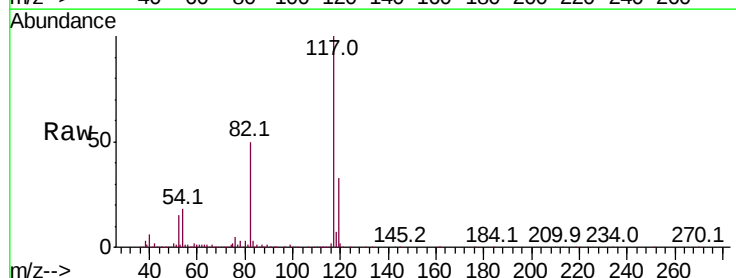
Tgt Ion: 117 Resp: 946011

Ion Ratio Lower Upper

117 100

82 50.3 41.0 61.6

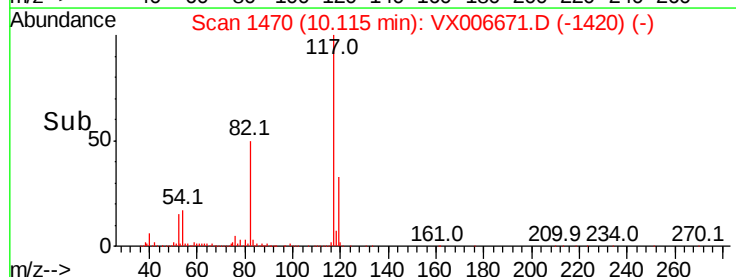
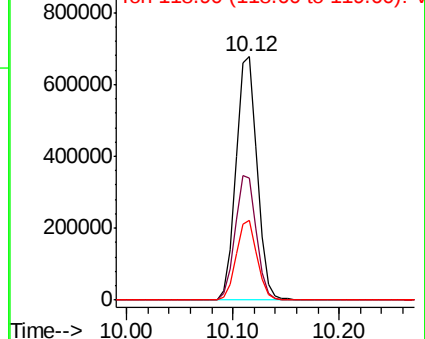
119 32.7 25.4 38.0

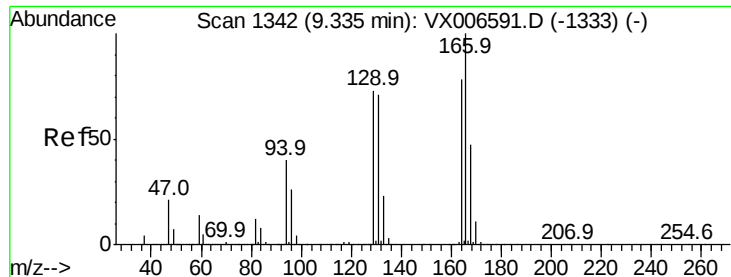


Abundance Ion 116.90 (116.60 to 117.60): VX006671.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006671.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006671.D (-1420) (-)





#64

Tetrachloroethene

Concen: 27.669 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006671.D

Acq: 20 Dec 2018 13:07

Instrument :

MSVOA\_X

ClientSampleId :

964-MW-02(23.8)

Tot Ion:164 Resp: 207267

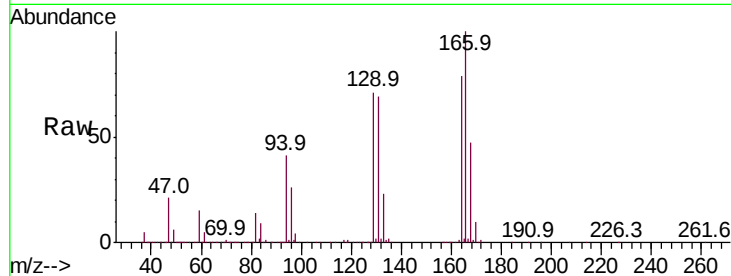
Ion Ratio Lower Upper

164 100

166 126.3 102.5 153.7

129 89.8 75.1 112.7

131 87.2 72.7 109.1

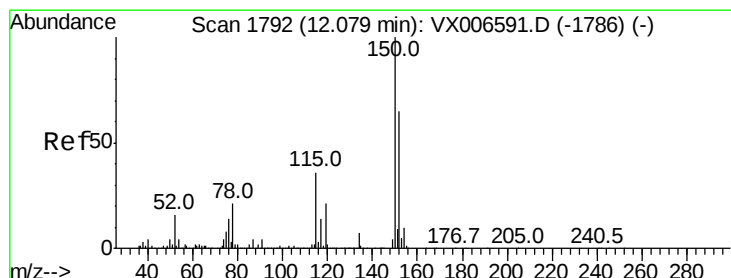
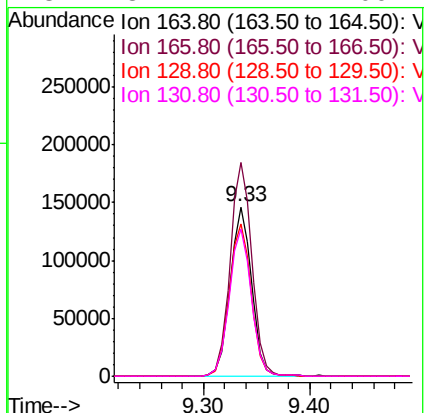
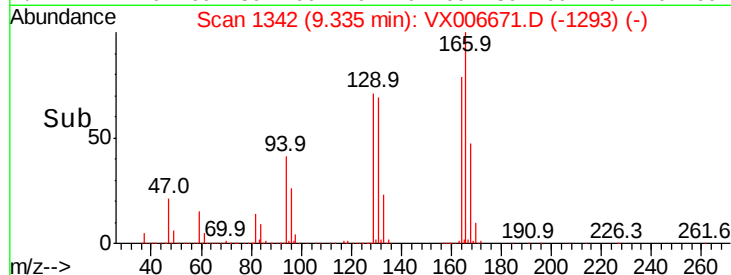


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX006671.D

Acq: 20 Dec 2018 13:07

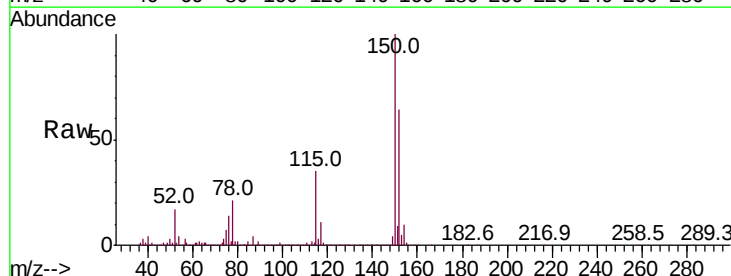
Tgt Ion:152 Resp: 451641

Ion Ratio Lower Upper

152 100

115 56.4 39.1 117.2

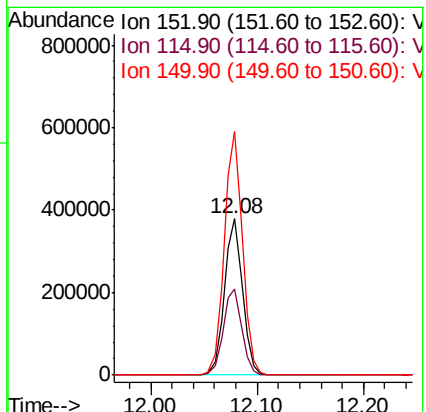
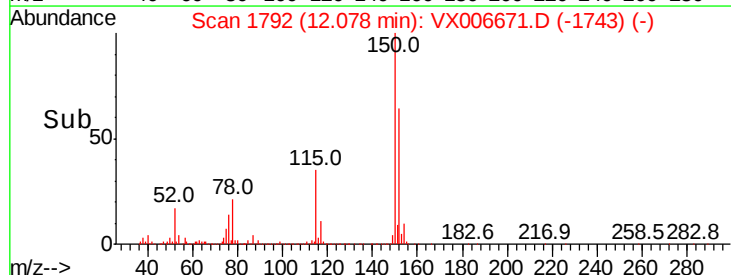
150 155.9 0.0 344.8

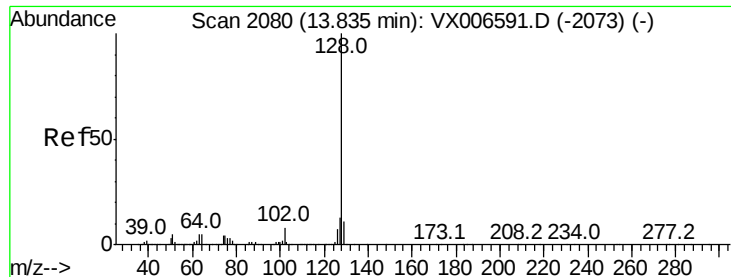


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#95

Naphthalene

Concen: 0.690 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006671.D

Acq: 20 Dec 2018 13:07

Instrument :

MSVOA\_X

ClientSampleId :

964-MW-02(23.8)

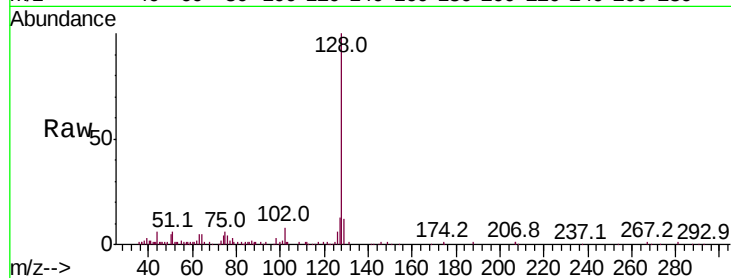
Tot Ion:128 Resp: 22873

Ion Ratio Lower Upper

128 100

127 13.6 10.1 15.1

129 11.9 8.6 13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

