

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\  
 Data File : VX015724.D  
 Acq On : 16 Apr 2020 19:46  
 Operator : JC/SP  
 Sample : L2294-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS042MW032-200413

Quant Time: Apr 17 08:46:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 09:35:51 2020  
 Response via : Initial Calibration

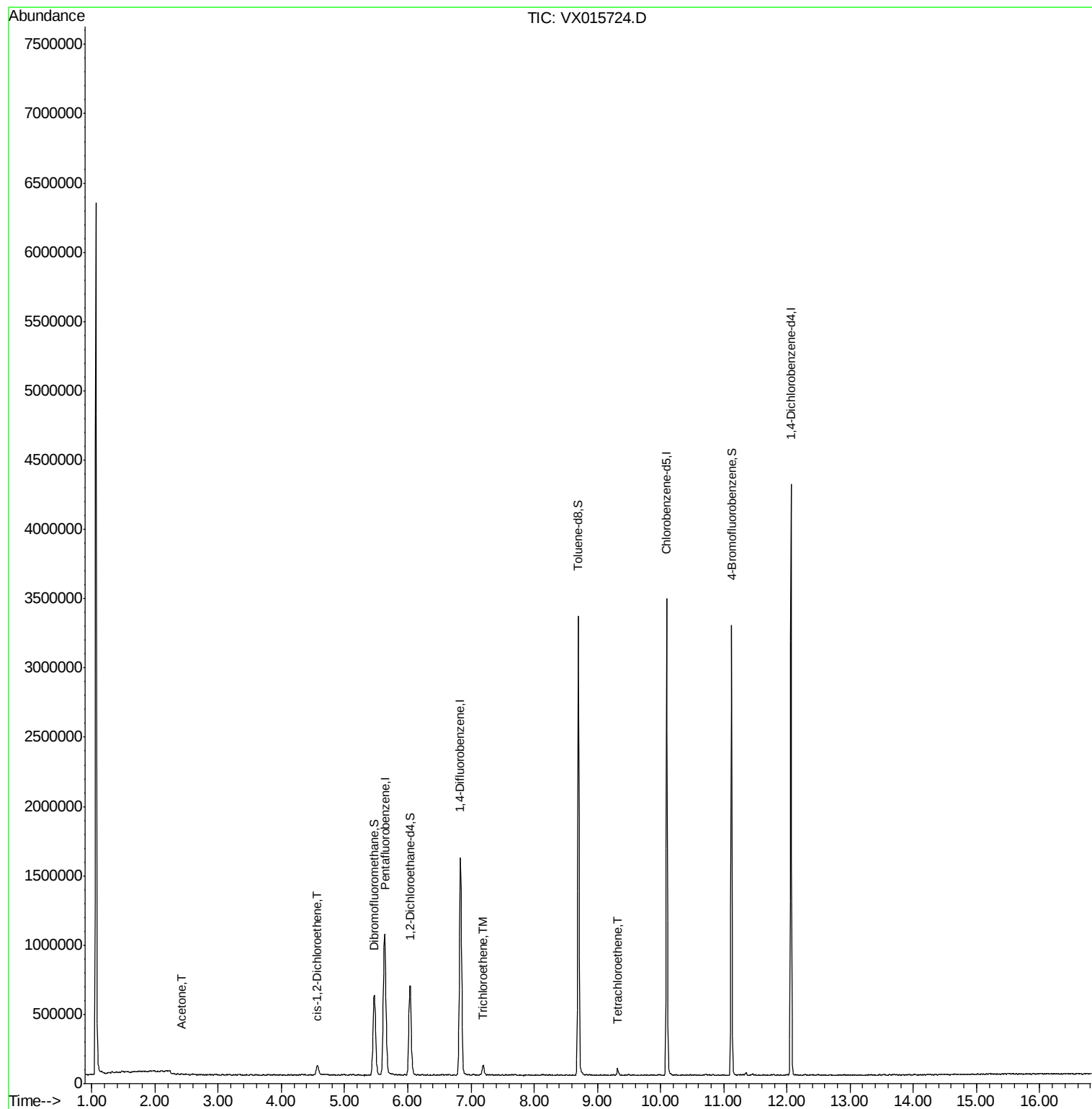
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 1100030  | 50.00 | ug/l    | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 1626868  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 1575971  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 899315   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 637518   | 41.09 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 82.18%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 487983   | 46.92 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.84%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 1921261  | 50.18 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.36% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 820872   | 52.75 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.50% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.42  | 43   | 7334     | 1.100 | ug/l    | 97       |
| 27) cis-1,2-Dichloroethene  | 4.56  | 96   | 47484    | 3.561 | ug/l    | 85       |
| 44) Trichloroethene         | 7.19  | 130  | 32049    | 2.676 | ug/l    | 95       |
| 64) Tetrachloroethene       | 9.32  | 164  | 11465    | 0.964 | ug/l #  | 90       |

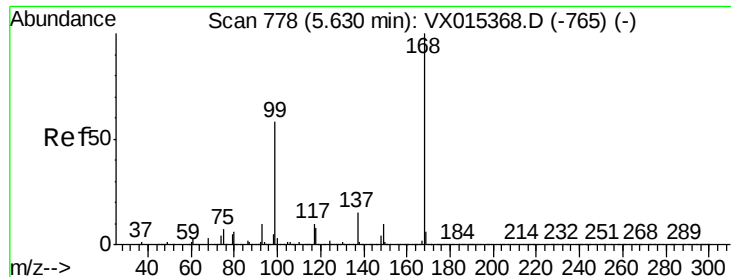
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Mar 27 09:35:51 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.01 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA\_X

ClientSampleId :

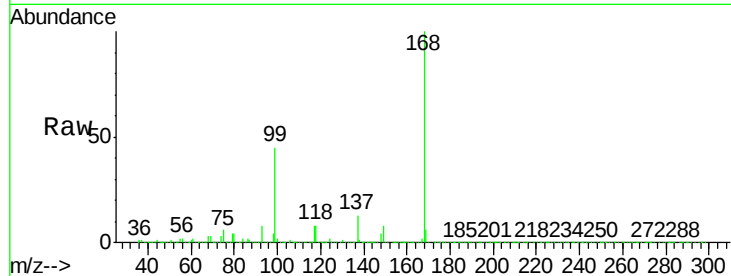
SS042MW032-200413

Tot Ion:168 Resp: 1100030

Ion Ratio Lower Upper

168 100

99 45.4 46.4 69.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

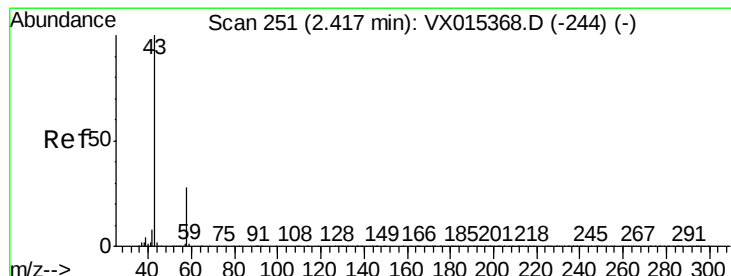
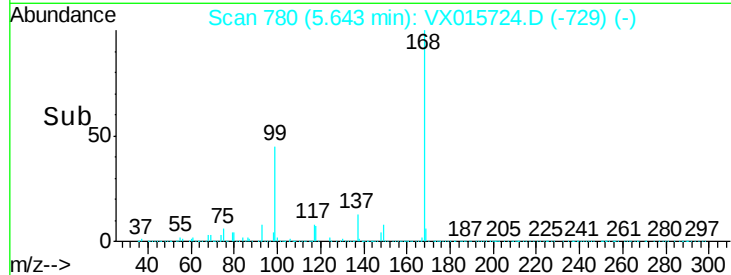
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 1.100 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015724.D

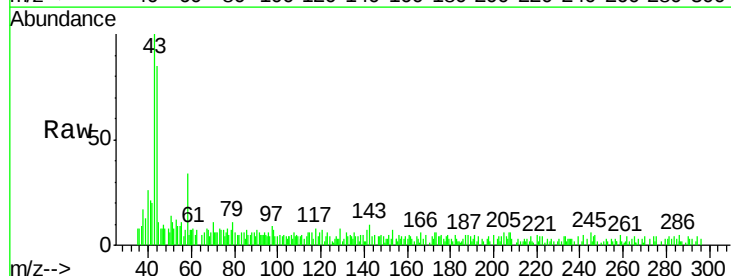
Acq: 16 Apr 2020 19:46

Tgt Ion: 43 Resp: 7334

Ion Ratio Lower Upper

43 100

58 26.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

5000

4000

3000

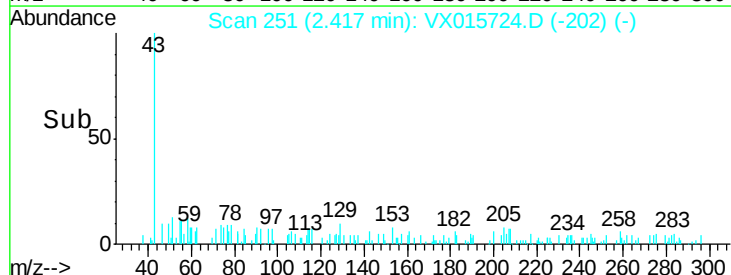
2000

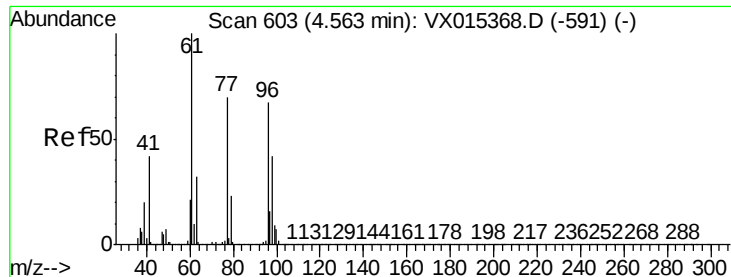
1000

0

2.40 2.45

Time-->



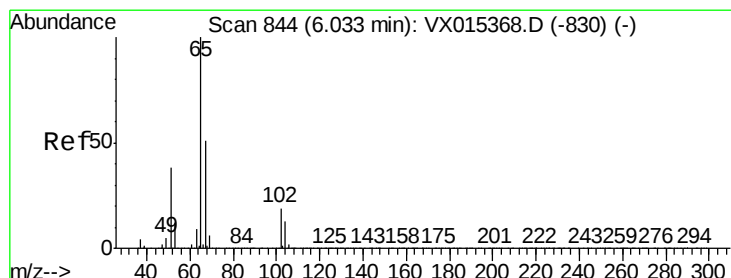
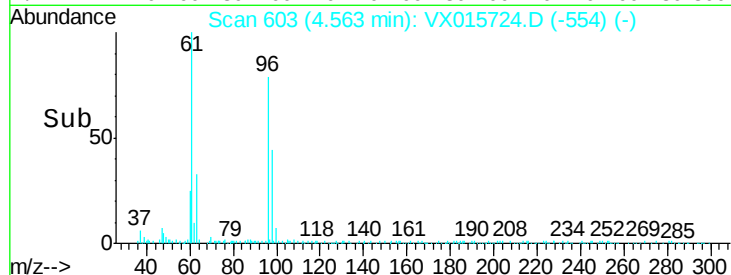
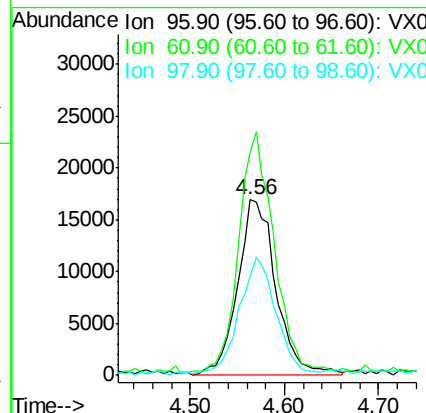
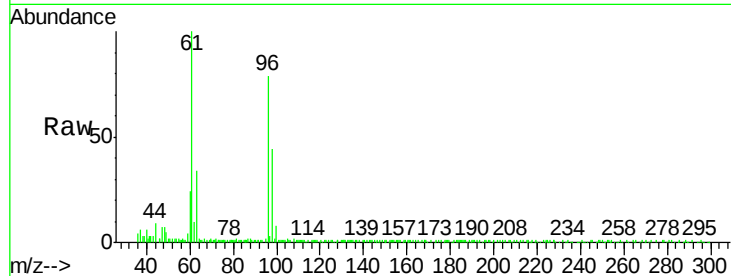


#27

cis-1,2-Dichloroethene  
Concen: 3.561 ug/l  
RT: 4.56 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: VX015724.D  
Acq: 16 Apr 2020 19:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS042MW032-200413

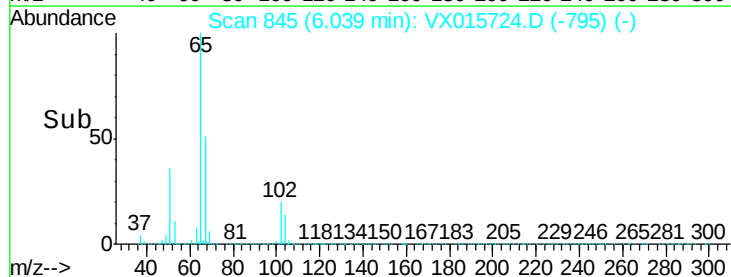
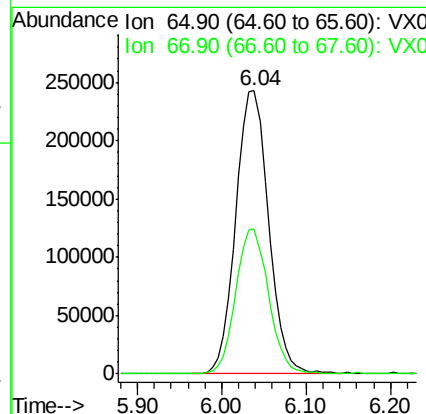
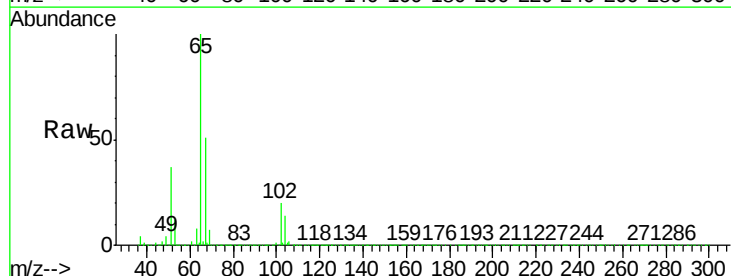
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 128.0 | 0.0   | 308.4 |
| 98      | 63.5  | 0.0   | 129.2 |

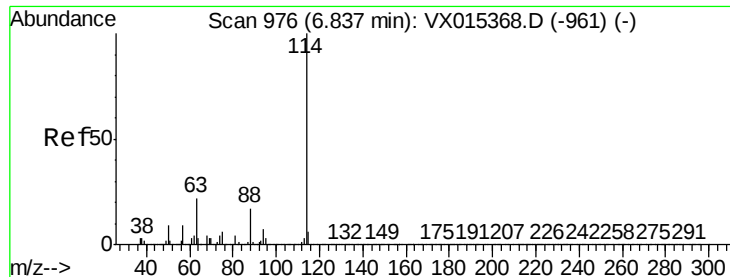


#33

1,2-Dichloroethane-d4  
Concen: 41.091 ug/l  
RT: 6.04 min Scan# 845  
Delta R.T. 0.01 min  
Lab File: VX015724.D  
Acq: 16 Apr 2020 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 51.4  | 0.0   | 102.6 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA\_X

ClientSampleId :

SS042MW032-200413

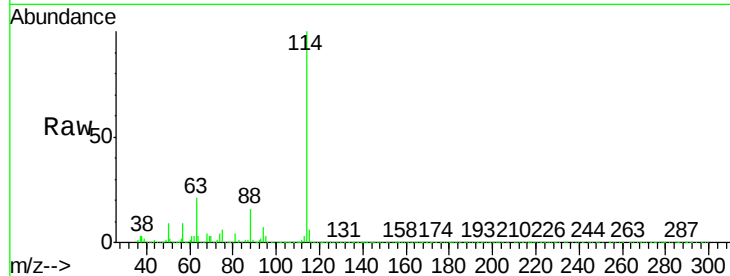
Tot Ion:114 Resp: 1626868

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.2

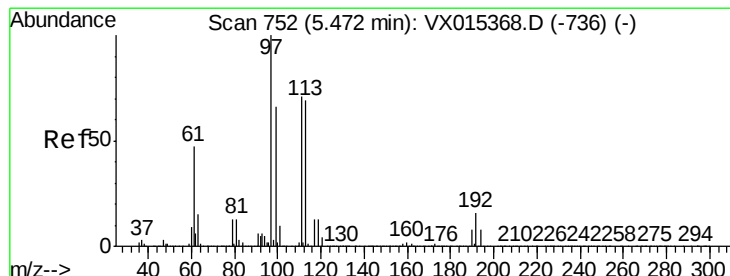
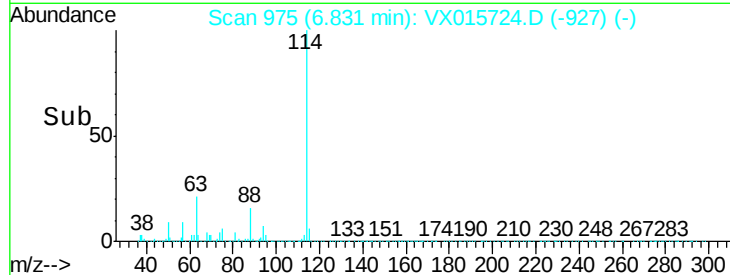
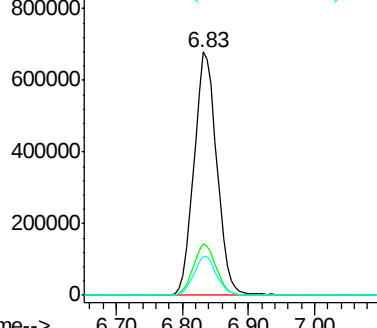
88 16.0 0.0 33.8



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: 46.924 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

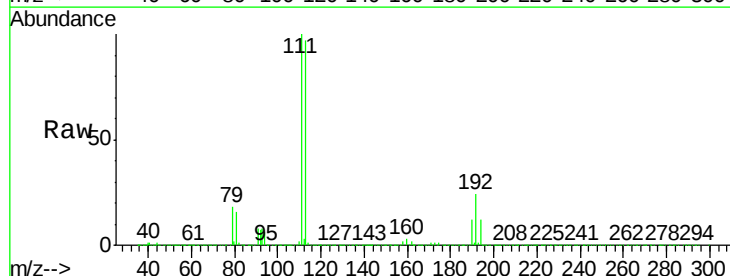
Tgt Ion:113 Resp: 487983

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

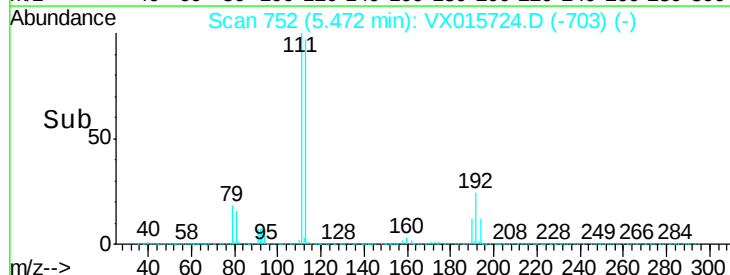
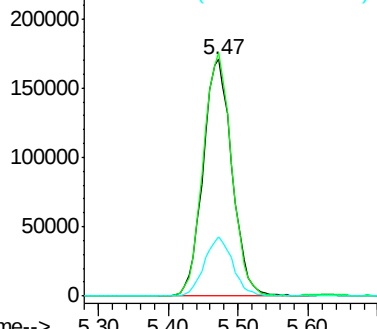
192 24.5 17.8 26.6

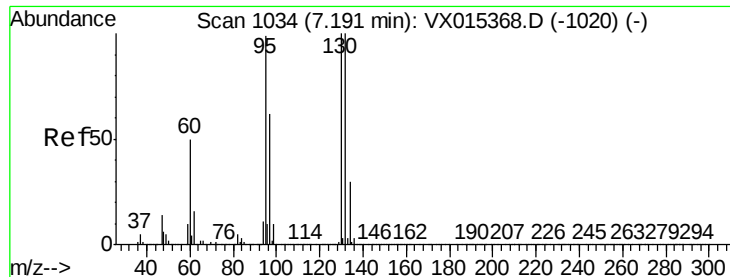


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 2.676 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA\_X

ClientSampleId :

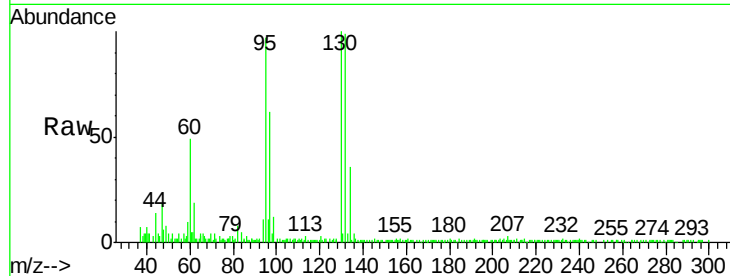
SS042MW032-200413

Tot Ion:130 Resp: 32049

Ion Ratio Lower Upper

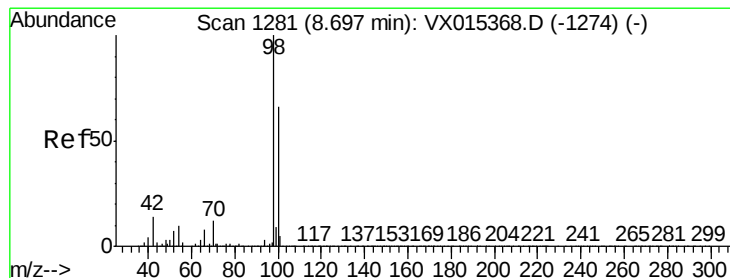
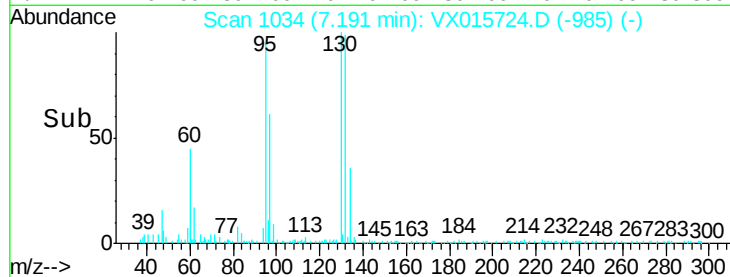
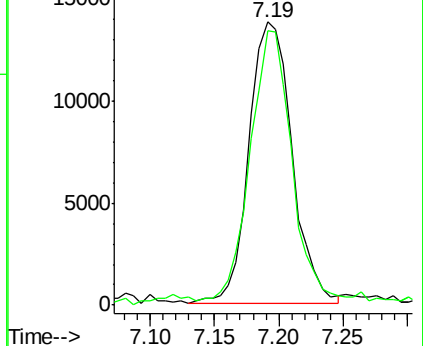
130 100

95 94.4 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.180 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015724.D

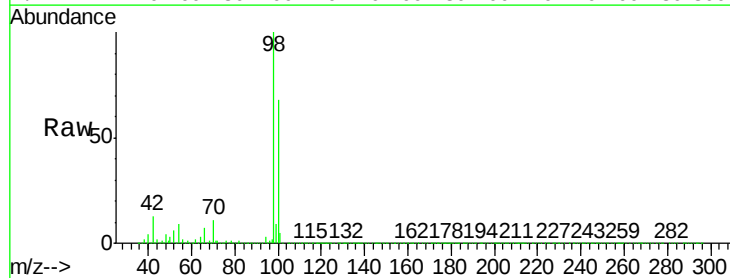
Acq: 16 Apr 2020 19:46

Tgt Ion: 98 Resp: 1921261

Ion Ratio Lower Upper

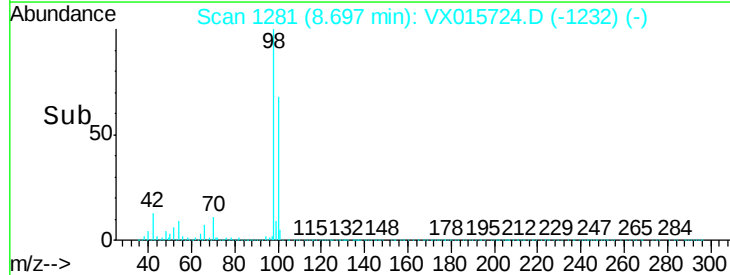
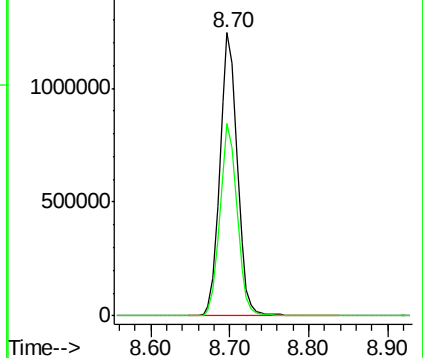
98 100

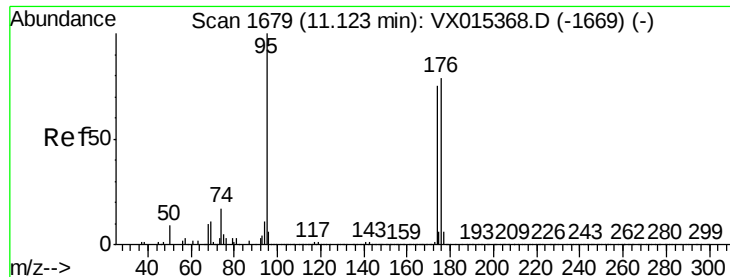
100 67.3 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 52.754 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA\_X

ClientSampleId :

SS042MW032-200413

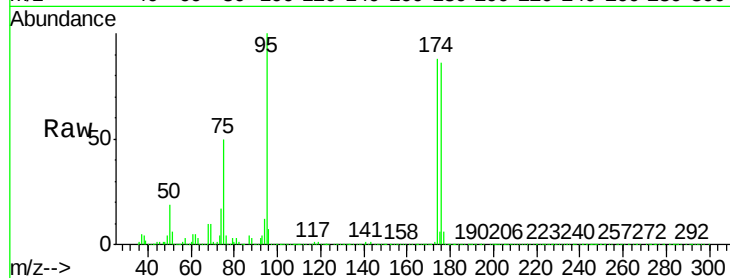
Tot Ion: 95 Resp: 820872

Ion Ratio Lower Upper

95 100

174 89.7 0.0 158.6

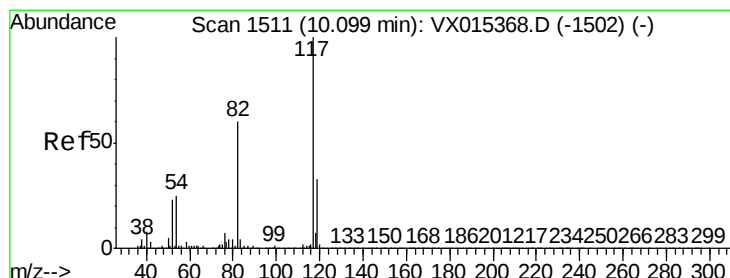
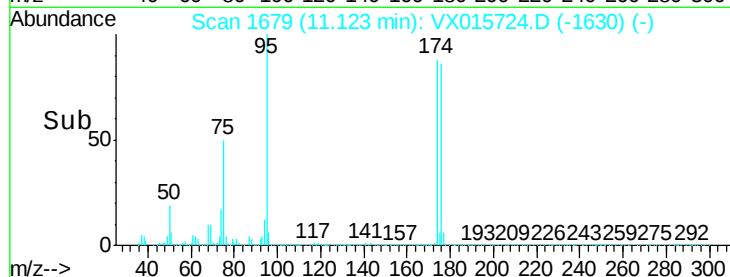
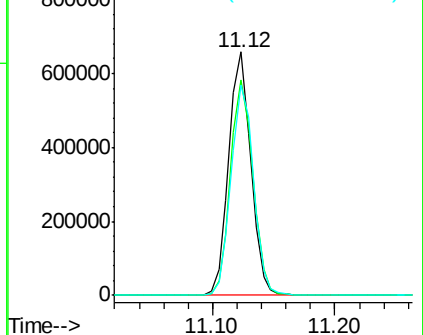
176 87.4 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

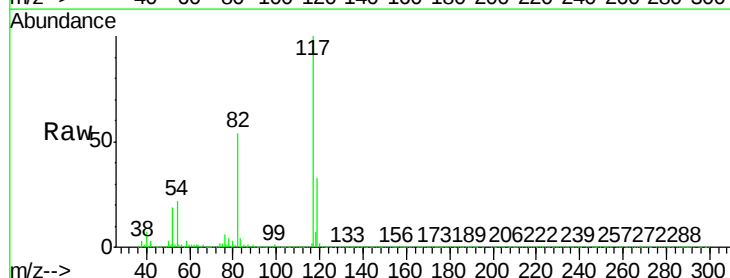
Tgt Ion: 117 Resp: 1575971

Ion Ratio Lower Upper

117 100

82 53.8 47.8 71.8

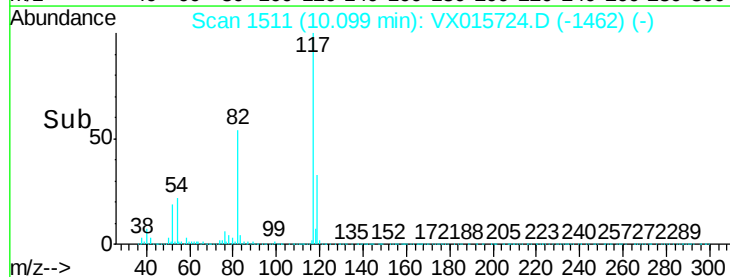
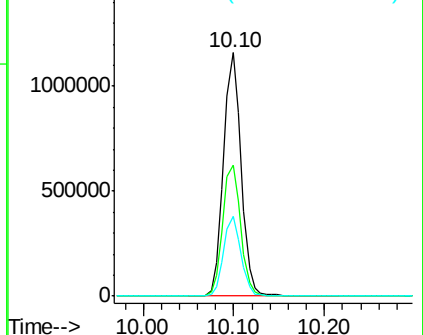
119 32.9 26.8 40.2

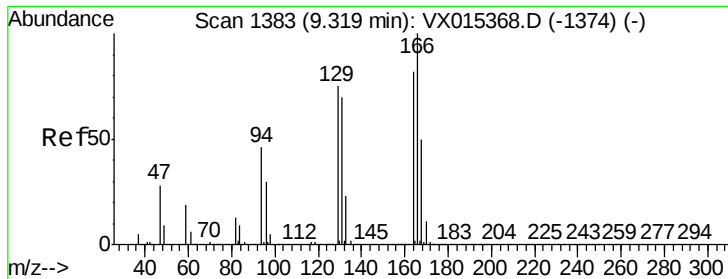


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#64

Tetrachloroethene

Concen: 0.964 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Instrument :

MSVOA\_X

ClientSampleId :

SS042MW032-200413

Tot Ion:164 Resp: 11465

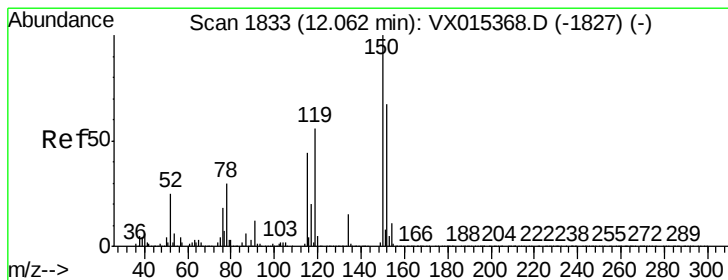
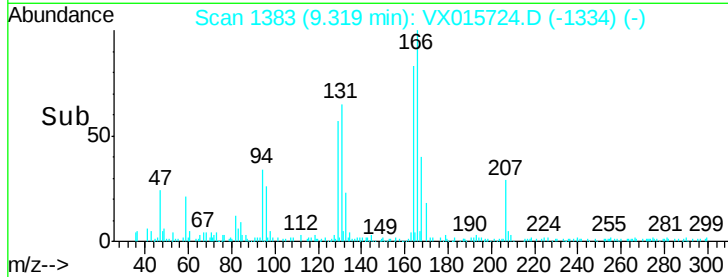
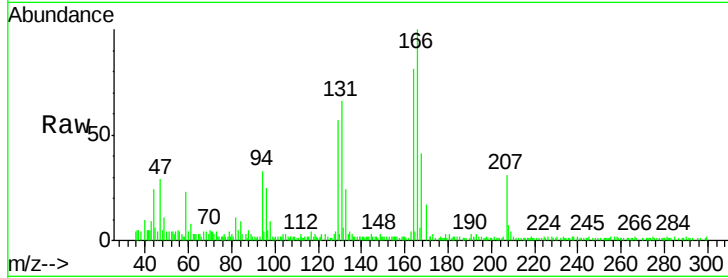
Ion Ratio Lower Upper

164 100

166 123.7 97.8 146.6

129 68.2 73.0 109.4#

131 78.4 68.6 103.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015724.D

Acq: 16 Apr 2020 19:46

Tgt Ion:152 Resp: 899315

Ion Ratio Lower Upper

152 100

115 55.4 39.0 116.9

150 155.8 0.0 340.8

