

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122419\  
 Data File : VX014249.D  
 Acq On : 24 Dec 2019 16:48  
 Operator : JC/SP  
 Sample : K6405-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 993-MW-03A-(17)

Quant Time: Dec 25 07:43:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 17 03:01:07 2019  
 Response via : Initial Calibration

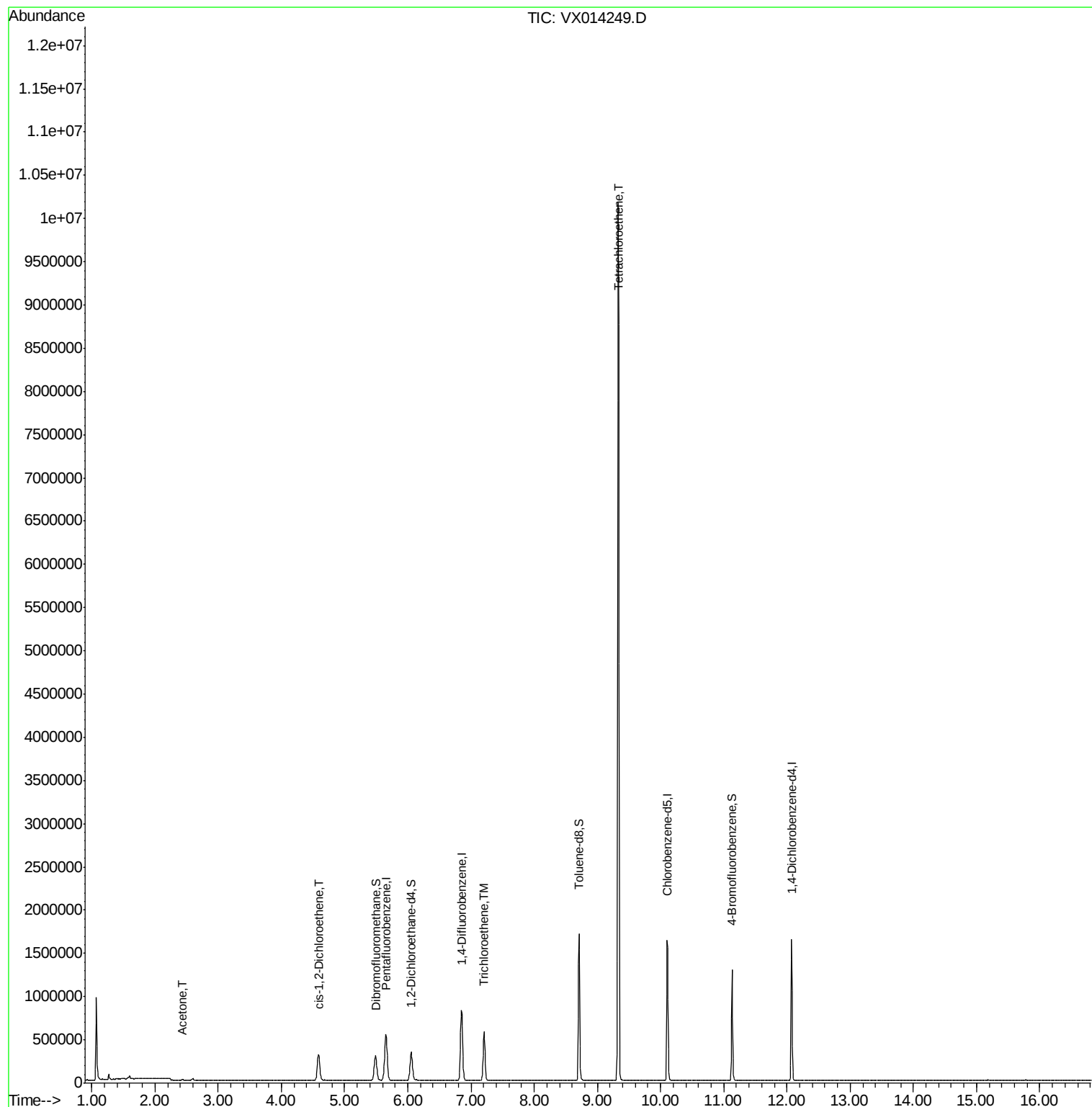
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 554049   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 852225   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 755465   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 335833   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 302385   | 48.16   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 96.32%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 252118   | 48.67   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 97.34%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1013125  | 50.23   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 100.46% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 342652   | 46.48   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 92.96%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 2.43  | 43   | 12767    | 3.132   | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 195298   | 29.410  | ug/l    | 91       |
| 44) Trichloroethene         | 7.21  | 130  | 226079   | 34.019  | ug/l    | 99       |
| 64) Tetrachloroethene       | 9.33  | 164  | 2005269  | 299.969 | ug/l    | 99       |

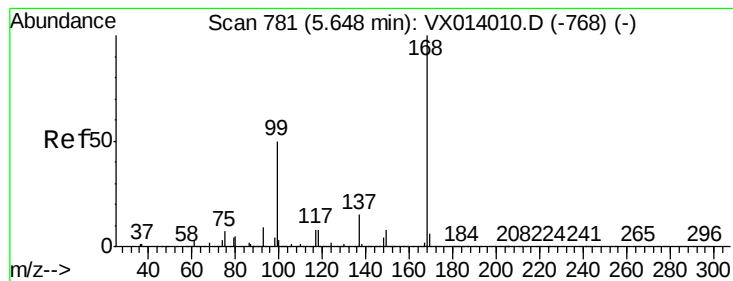
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122419\  
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993-MW-03A-(17)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 17 03:01:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA\_X

ClientSampleId :

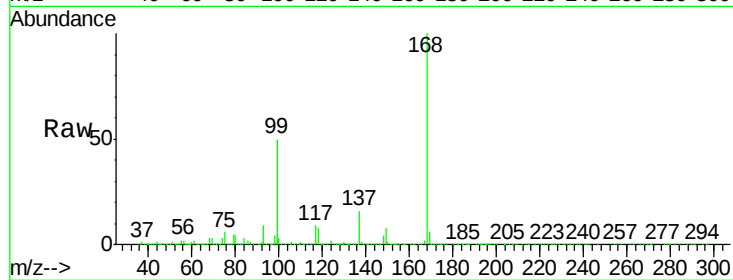
993-MW-03A-(17)

Tot Ion:168 Resp: 554049

Ion Ratio Lower Upper

168 100

99 50.3 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

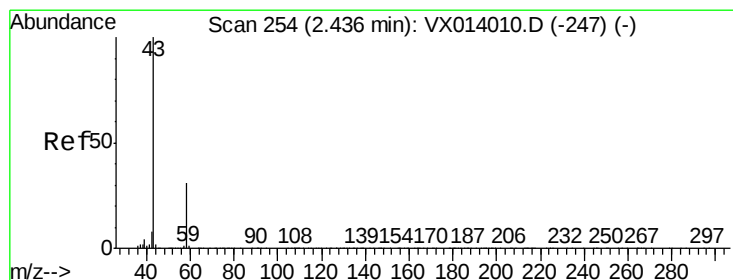
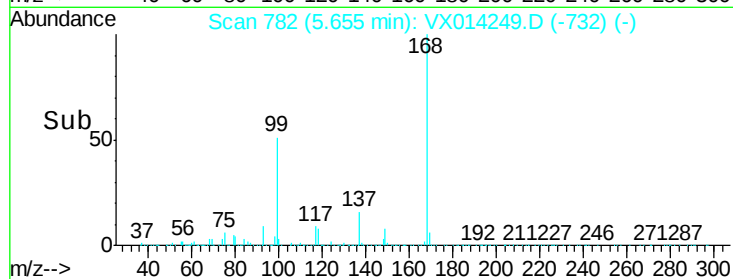
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 3.132 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014249.D

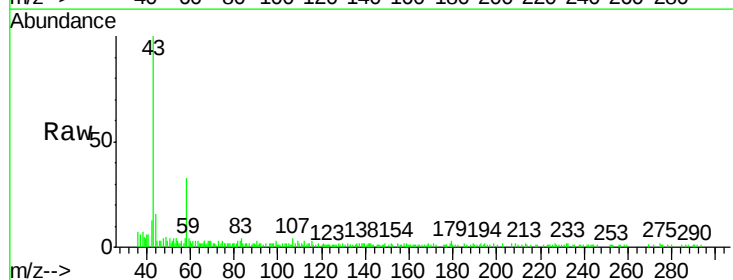
Acq: 24 Dec 2019 16:48

Tgt Ion: 43 Resp: 12767

Ion Ratio Lower Upper

43 100

58 30.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

8000

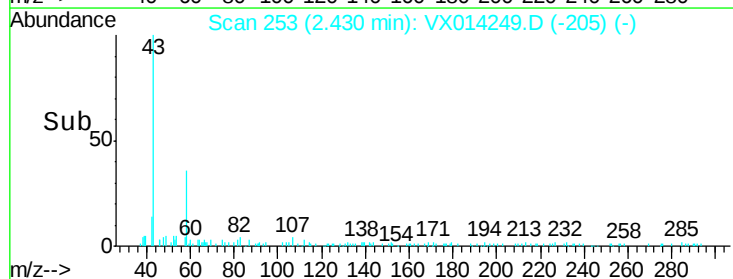
6000

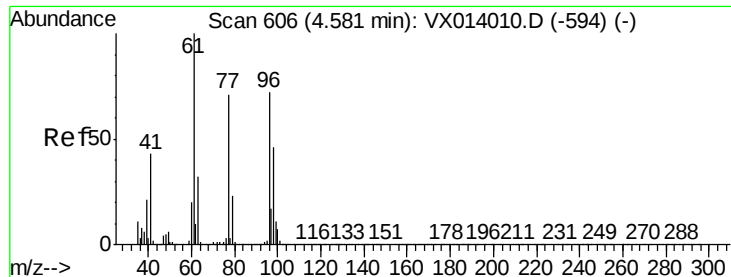
4000

2000

0

Time-->



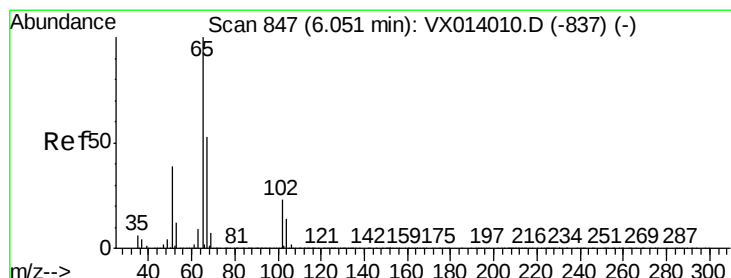
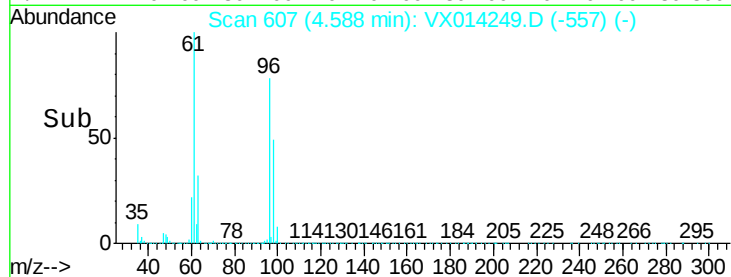
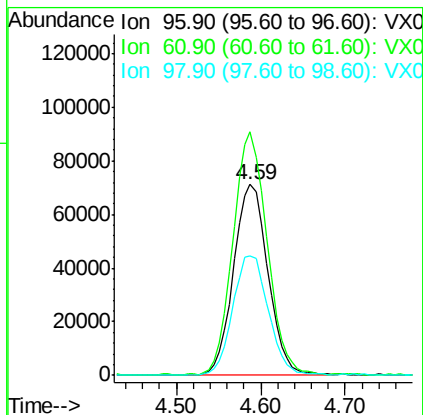
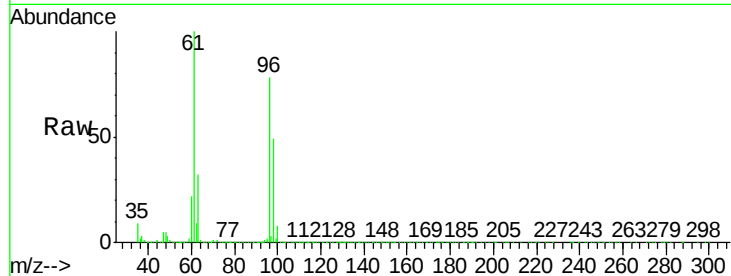


#27

cis-1,2-Dichloroethene  
Concen: 29.410 ug/l  
RT: 4.59 min Scan# 607  
Delta R.T. 0.01 min  
Lab File: VX014249.D  
Acq: 24 Dec 2019 16:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
993-MW-03A-(17)

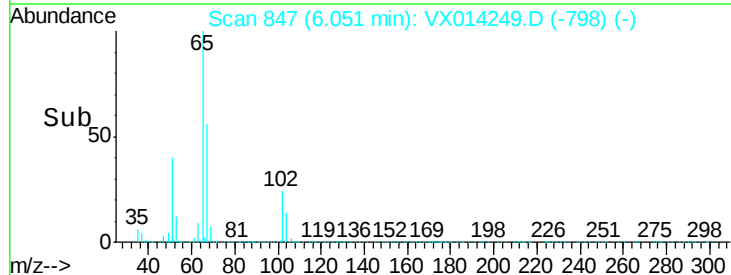
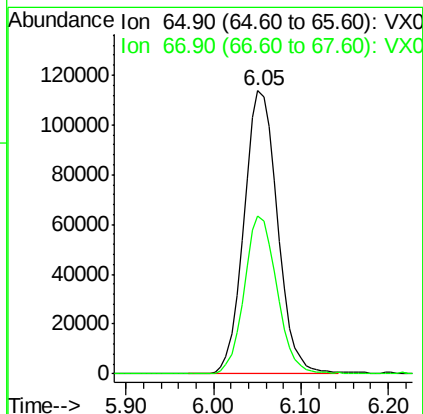
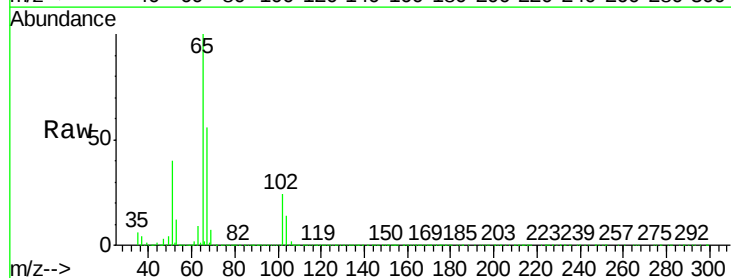
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 127.9 | 0.0   | 288.4 |
| 98      | 65.1  | 0.0   | 129.6 |

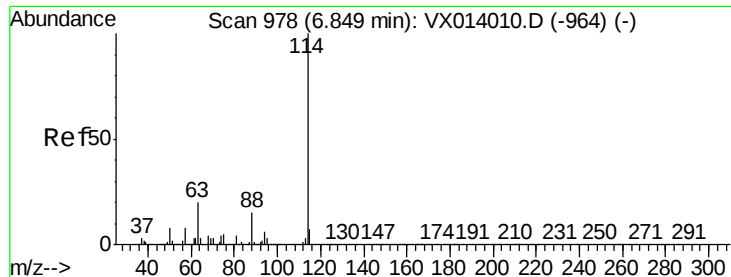


#33

1,2-Dichloroethane-d4  
Concen: 48.155 ug/l  
RT: 6.05 min Scan# 847  
Delta R.T. 0.00 min  
Lab File: VX014249.D  
Acq: 24 Dec 2019 16:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.8  | 0.0   | 106.4 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA\_X

ClientSampleId :

993-MW-03A-(17)

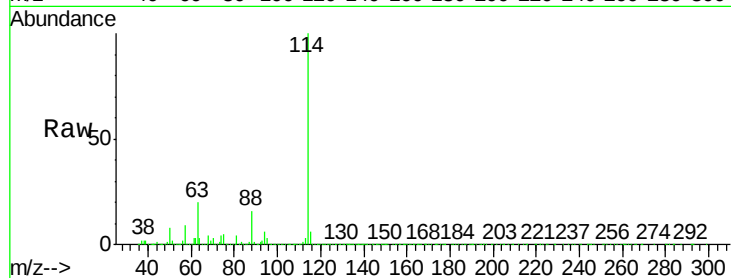
Tot Ion:114 Resp: 852225

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

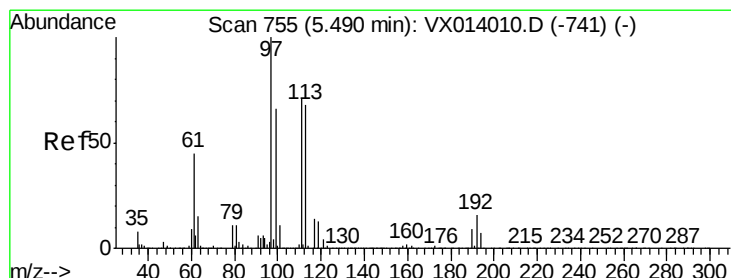
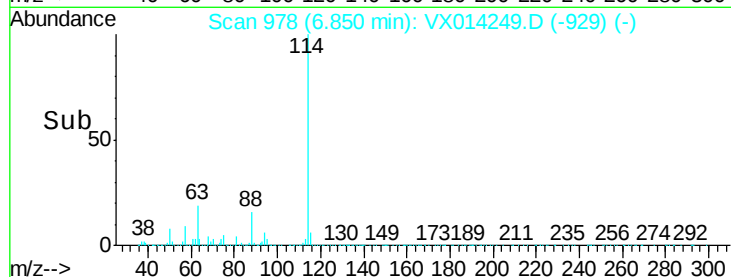
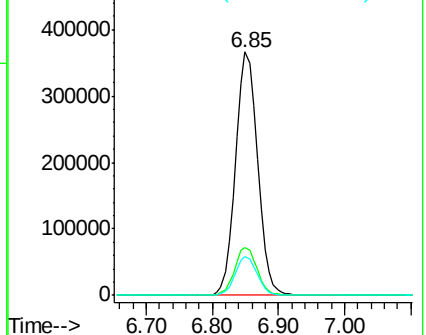
88 15.8 0.0 30.4



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: 48.666 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

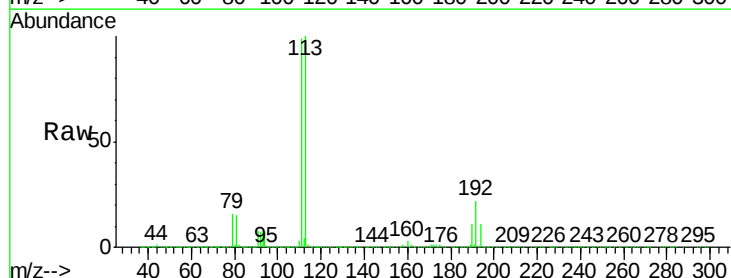
Tgt Ion:113 Resp: 252118

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

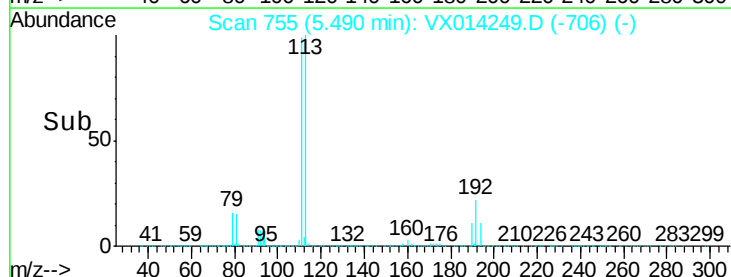
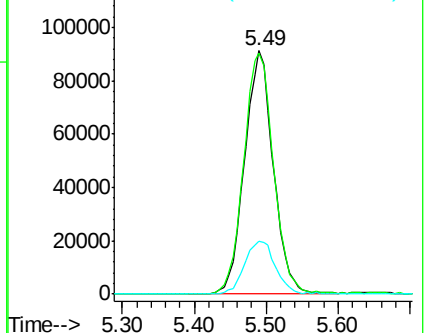
192 23.5 19.3 28.9

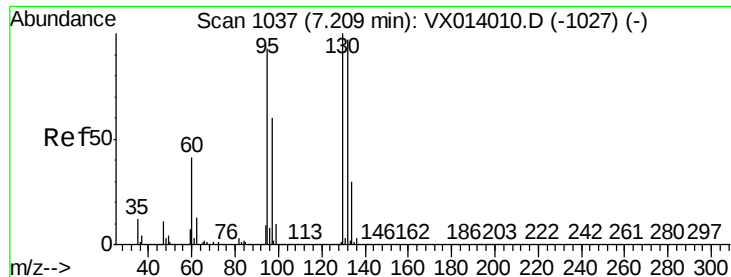


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 34.019 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA\_X

ClientSampleId :

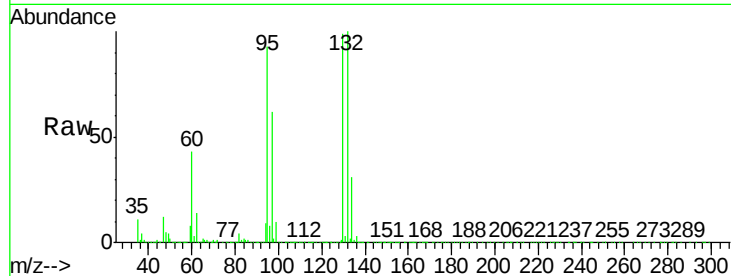
993-MW-03A-(17)

Tot Ion:130 Resp: 226079

Ion Ratio Lower Upper

130 100

95 93.7 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

120000

100000

80000

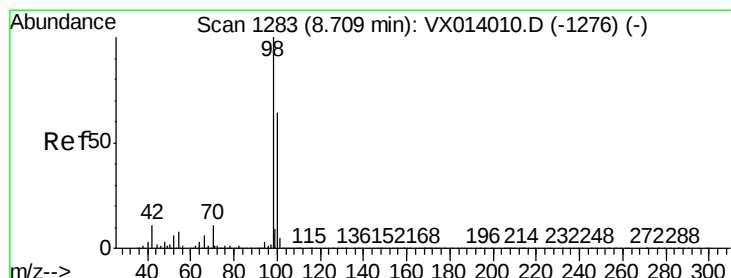
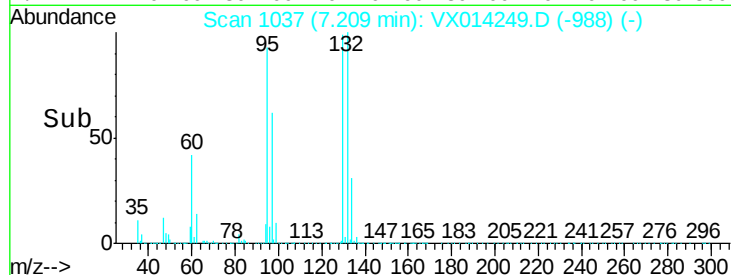
60000

40000

20000

0

Time-->



#50

Toluene-d8

Concen: 50.231 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014249.D

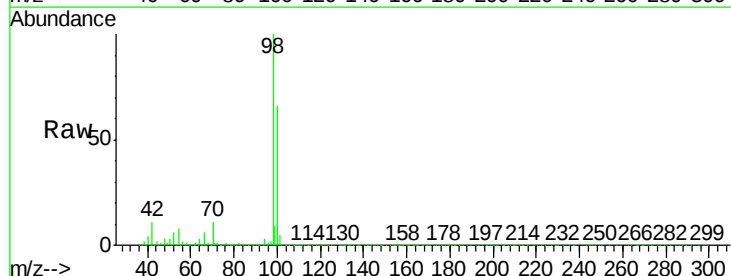
Acq: 24 Dec 2019 16:48

Tgt Ion: 98 Resp: 1013125

Ion Ratio Lower Upper

98 100

100 65.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

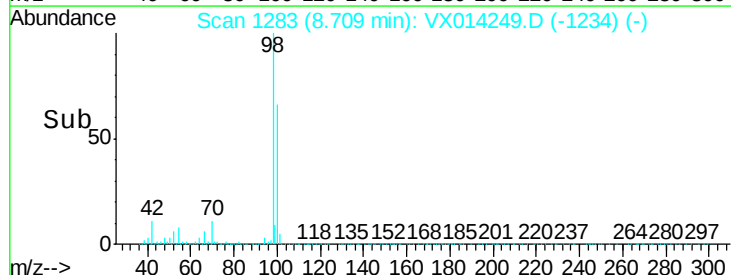
600000

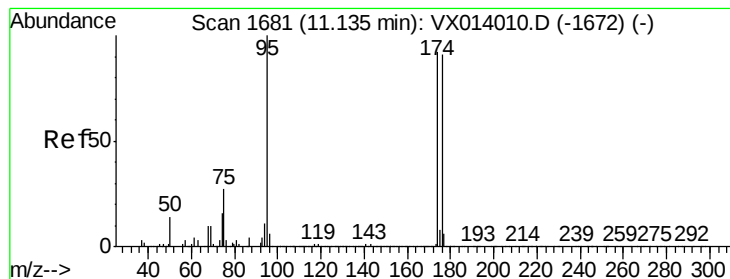
400000

200000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.475 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA\_X

ClientSampleId :

993-MW-03A-(17)

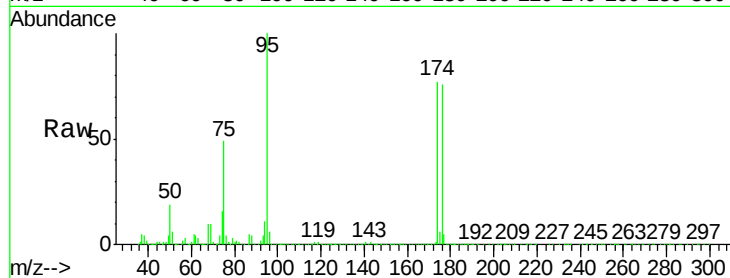
Tot Ion: 95 Resp: 342652

Ion Ratio Lower Upper

95 100

174 88.5 0.0 175.8

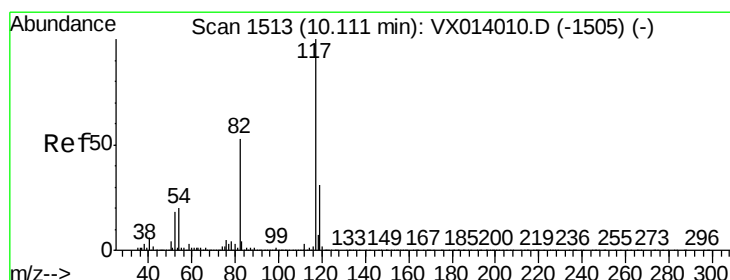
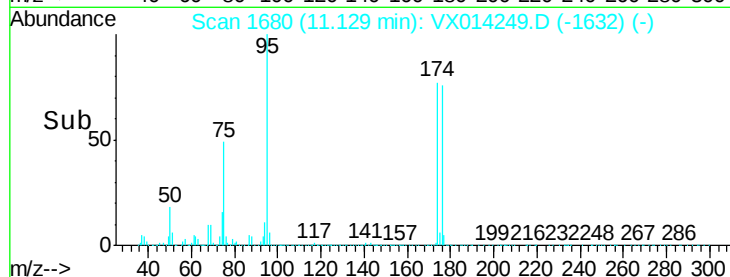
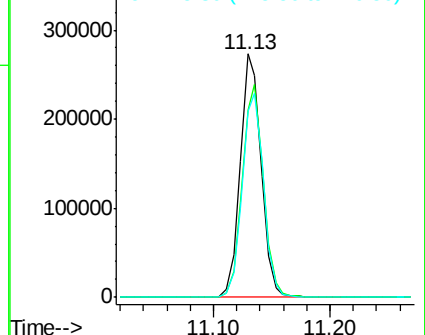
176 85.6 0.0 173.0



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# 1512

Delta R.T. -0.01 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

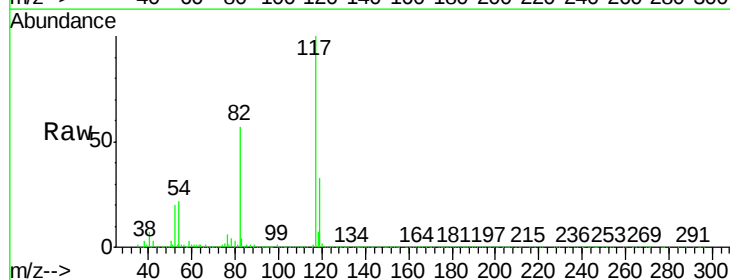
Tgt Ion: 117 Resp: 755465

Ion Ratio Lower Upper

117 100

82 57.4 42.2 63.4

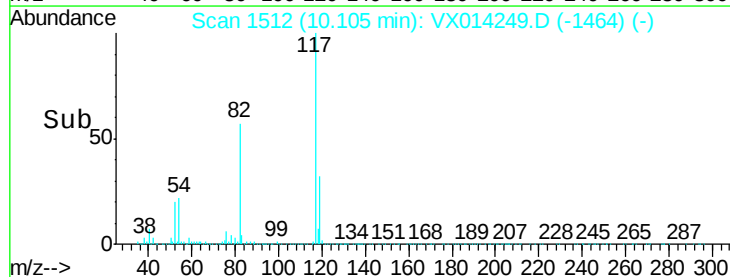
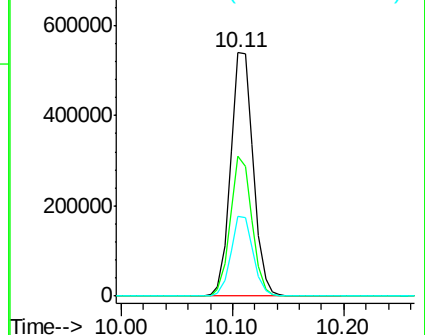
119 32.5 25.1 37.7

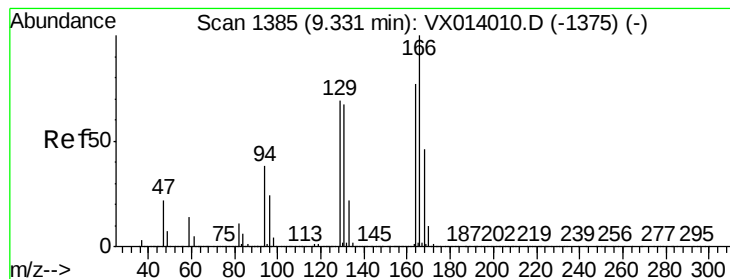


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 299.969 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

Instrument :

MSVOA\_X

ClientSampleId :

993-MW-03A-(17)

Tot Ion:164 Resp: 2005269

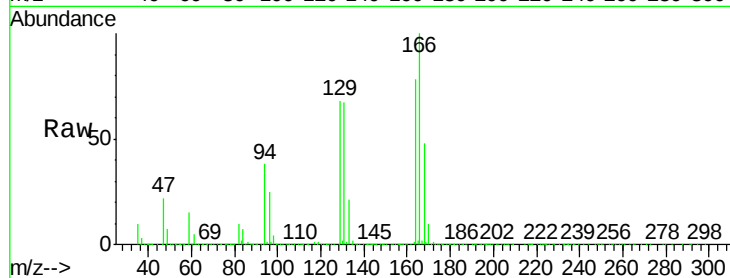
Ion Ratio Lower Upper

164 100

166 128.6 104.0 156.0

129 87.7 72.2 108.4

131 86.5 69.6 104.4

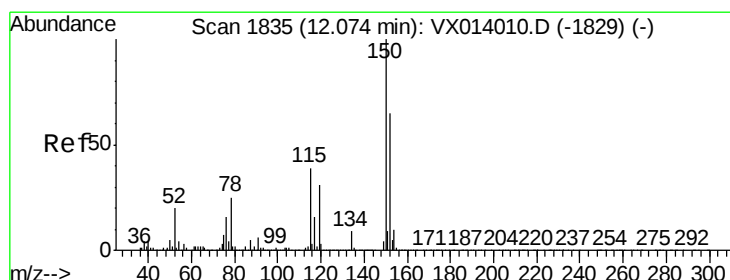
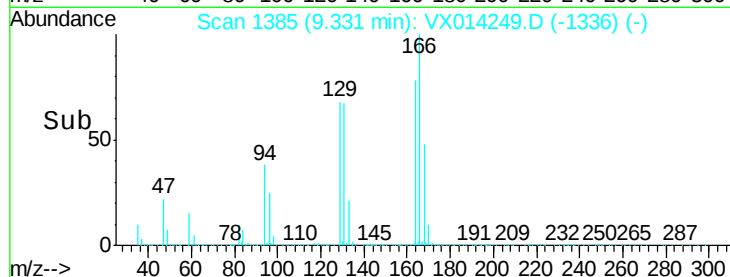
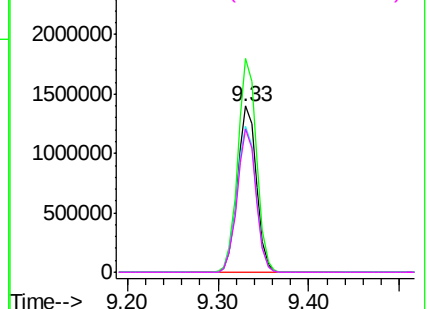


Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014249.D

Acq: 24 Dec 2019 16:48

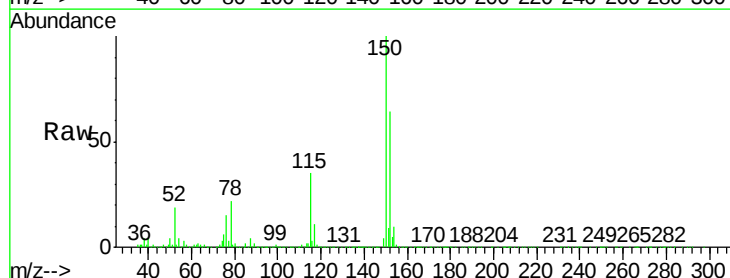
Tgt Ion:152 Resp: 335833

Ion Ratio Lower Upper

152 100

115 56.2 38.3 114.9

150 159.1 0.0 345.4



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

