

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052419\  
 Data File : VX009895.D  
 Acq On : 24 May 2019 18:31  
 Operator : JC/SP  
 Sample : K3039-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW159-190523

Quant Time: May 25 01:41:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

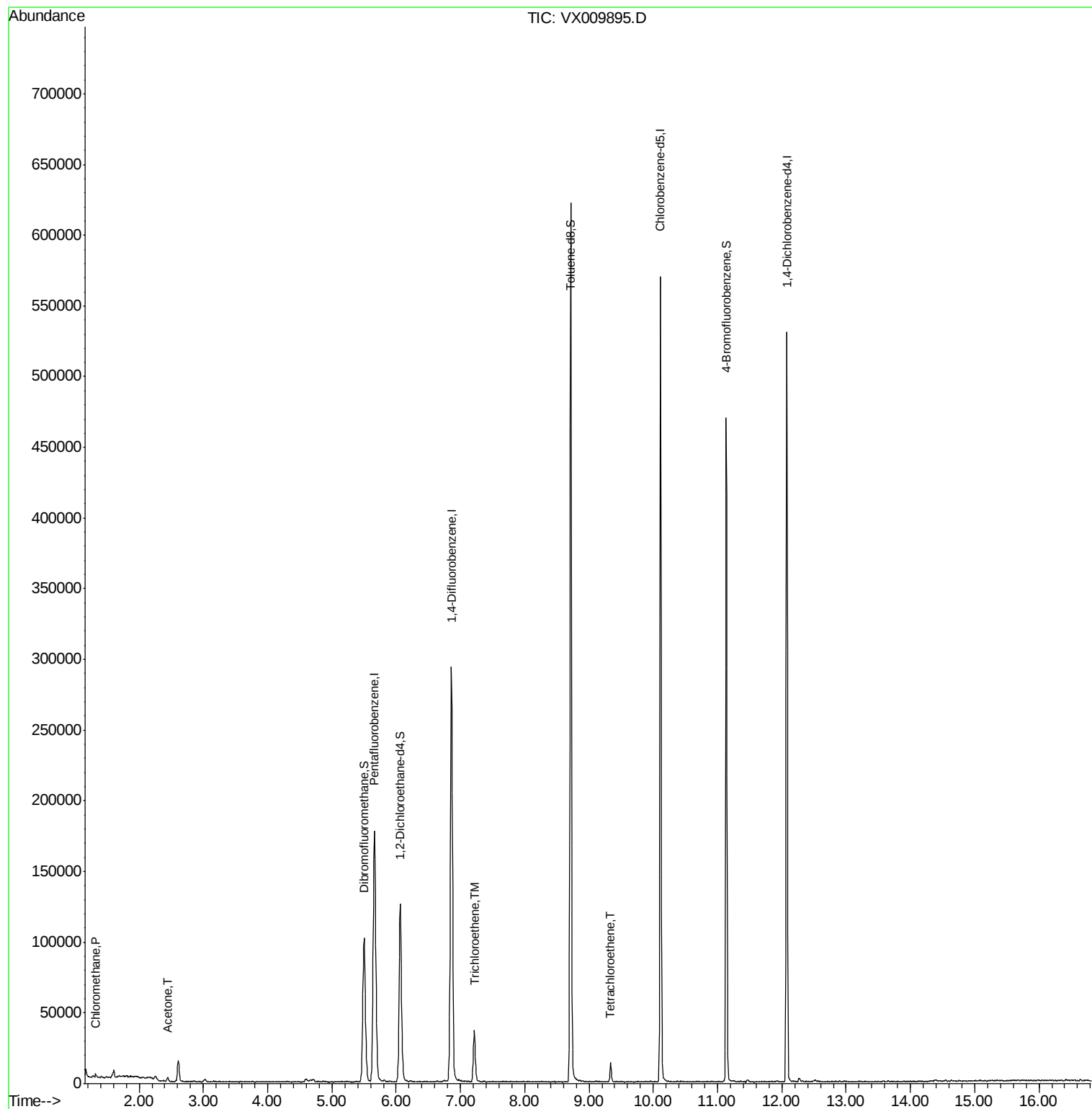
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 173296   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 279294   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 249376   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 106680   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 120078   | 50.76 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.52% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 85811    | 48.87 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.74%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 356393   | 50.28 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.56% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 119439   | 46.37 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.74%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 3) Chloromethane            | 1.33  | 50   | 2039     | 0.935 | ug/l    | 99       |
| 16) Acetone                 | 2.45  | 43   | 3305     | 2.602 | ug/l    | 93       |
| 44) Trichloroethene         | 7.21  | 130  | 14084    | 7.253 | ug/l    | 98       |
| 64) Tetrachloroethene       | 9.34  | 164  | 2679     | 1.566 | ug/l    | 95       |

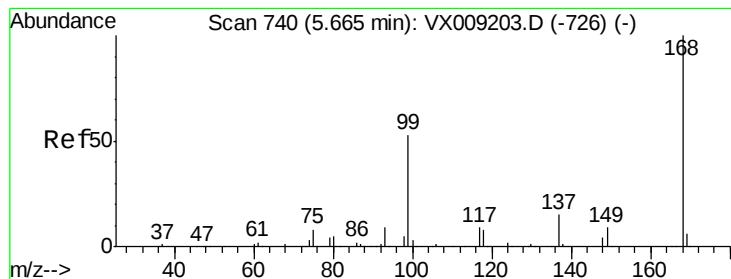
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 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: VX009895.D

Acq: 24 May 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

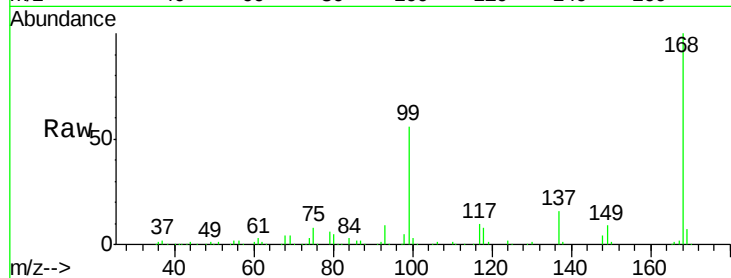
SS052MW159-190523

Tot Ion:168 Resp: 173296

Ion Ratio Lower Upper

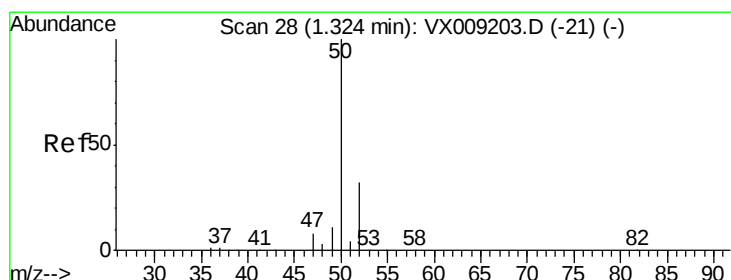
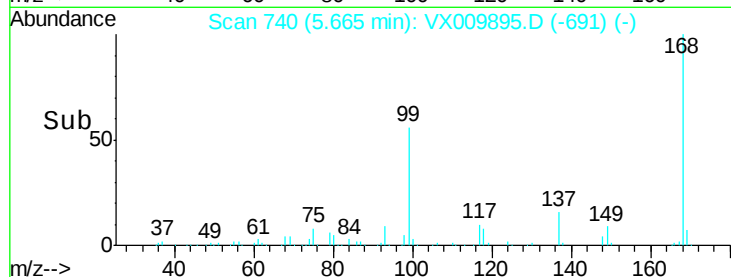
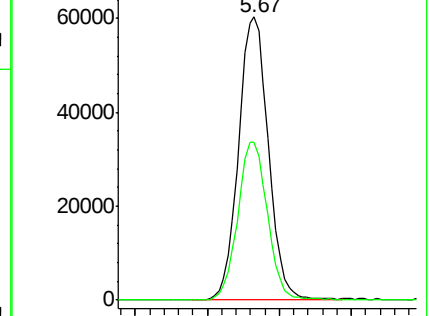
168 100

99 55.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.935 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009895.D

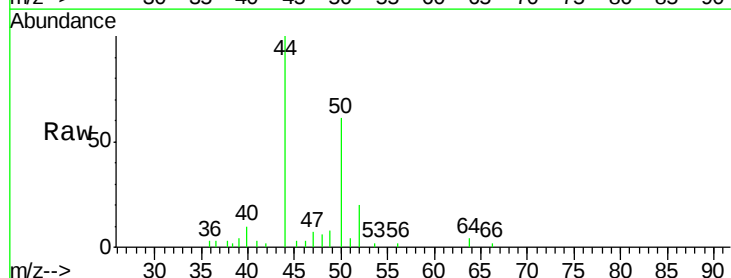
Acq: 24 May 2019 18:31

Tgt Ion: 50 Resp: 2039

Ion Ratio Lower Upper

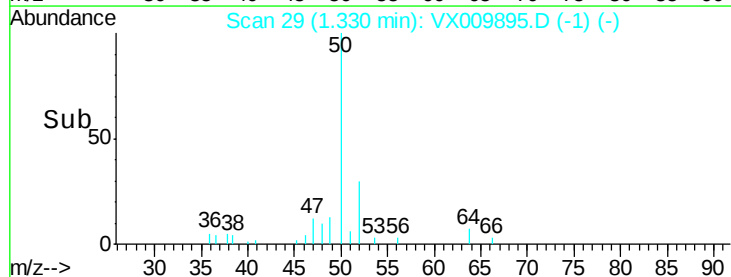
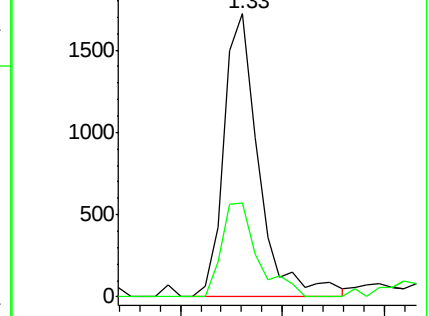
50 100

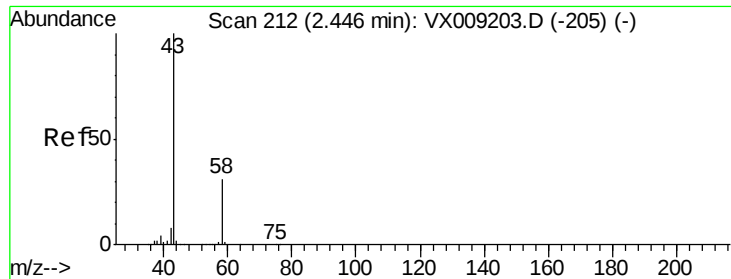
52 33.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#16

Acetone

Concen: 2.602 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009895.D

Acq: 24 May 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

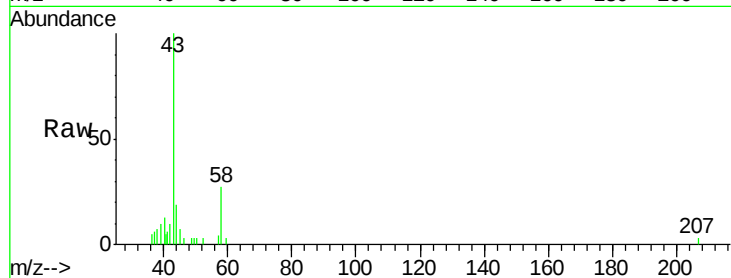
SS052MW159-190523

Tot Ion: 43 Resp: 3305

Ion Ratio Lower Upper

43 100

58 27.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

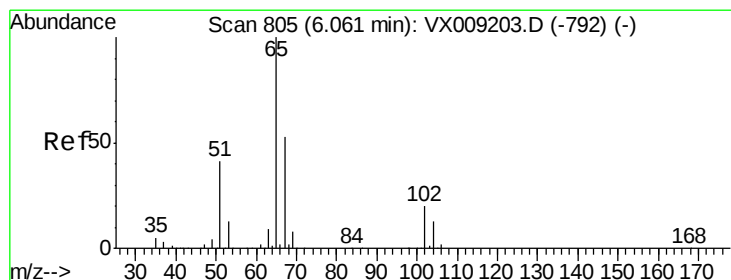
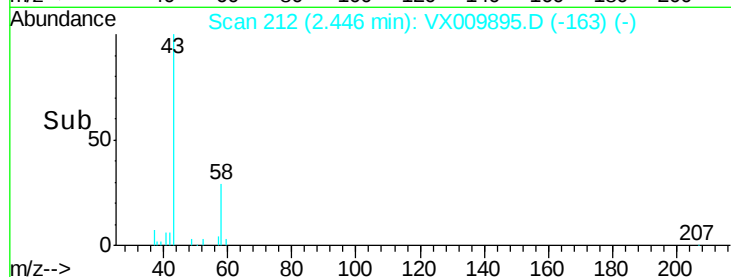
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50



#33

1,2-Dichloroethane-d4

Concen: 50.758 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009895.D

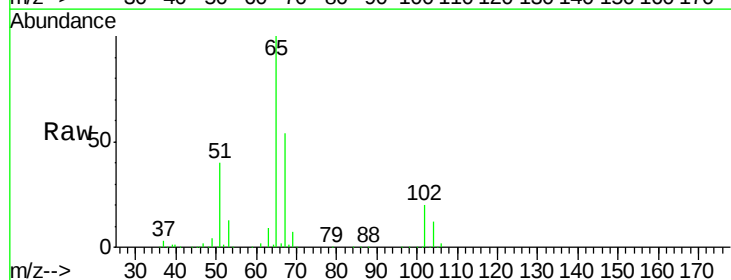
Acq: 24 May 2019 18:31

Tgt Ion: 65 Resp: 120078

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

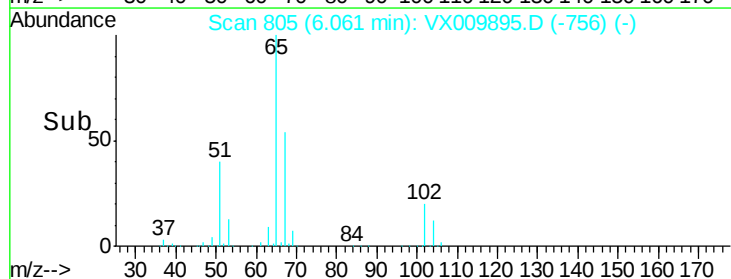
30000

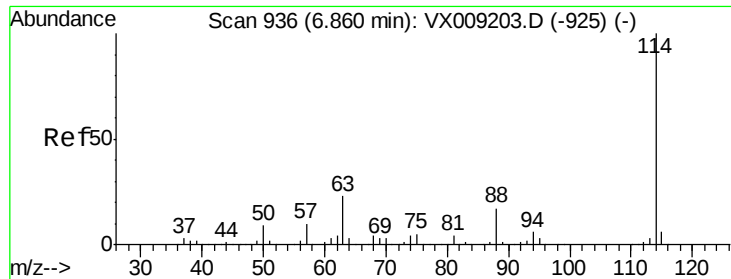
20000

10000

0

Time--> 5.90 6.00 6.10 6.20

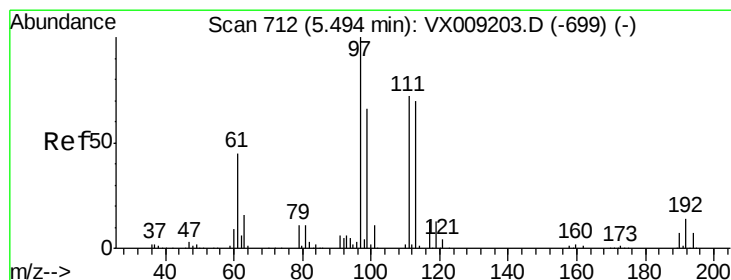
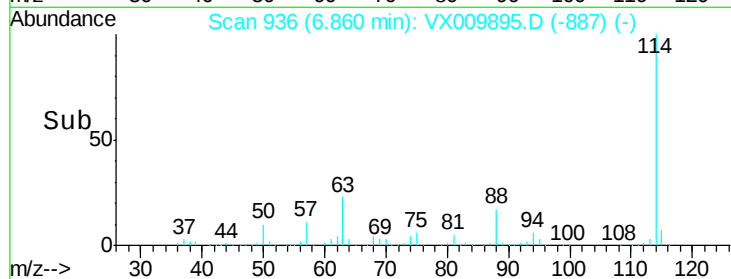
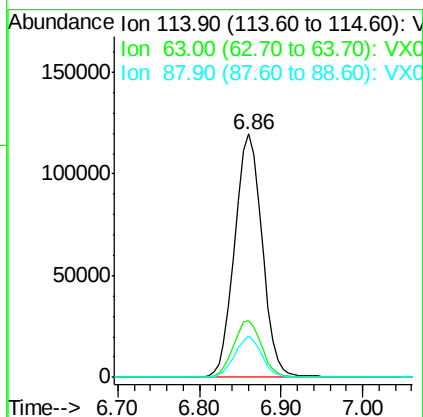
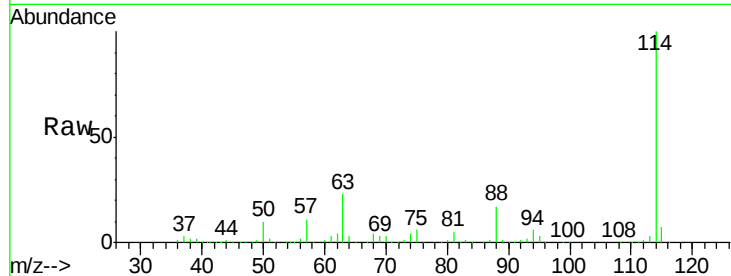




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX009895.D  
 Acq: 24 May 2019 18:31

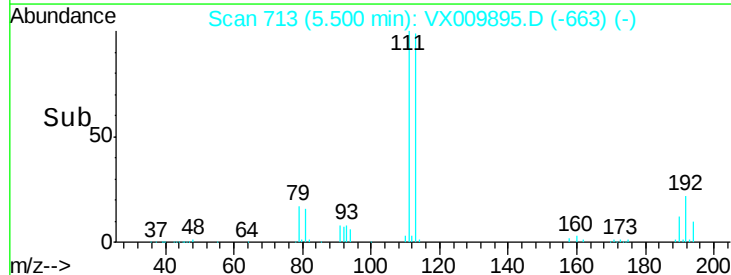
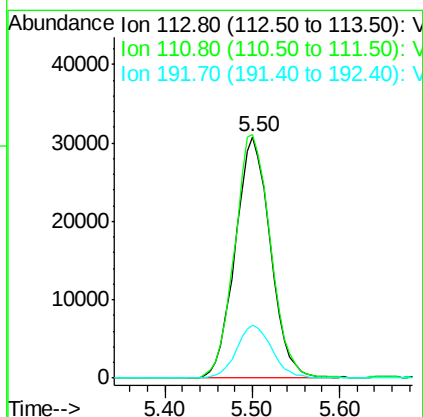
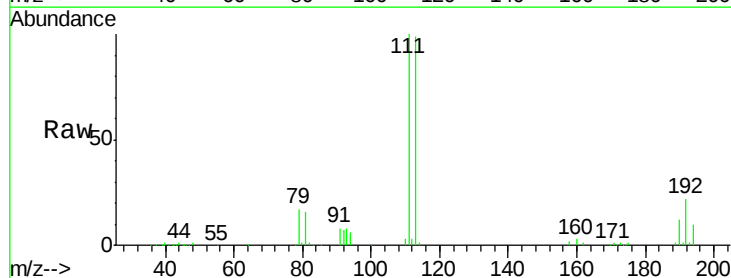
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW159-190523

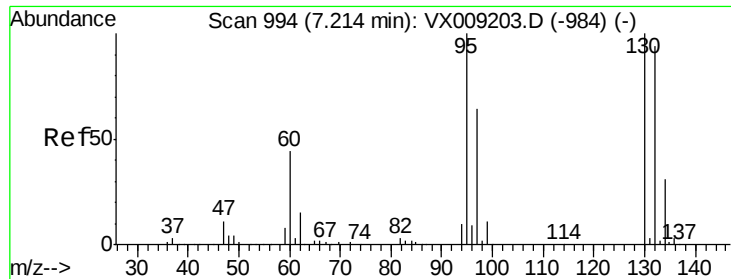
Tot Ion:114 Resp: 279294  
 Ion Ratio Lower Upper  
 114 100  
 63 23.3 0.0 45.6  
 88 17.1 0.0 33.2



#35  
 Dibromofluoromethane  
 Concen: 48.874 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX009895.D  
 Acq: 24 May 2019 18:31

Tgt Ion:113 Resp: 85811  
 Ion Ratio Lower Upper  
 113 100  
 111 103.7 82.8 124.2  
 192 22.0 17.0 25.6





#44

Trichloroethene

Concen: 7.253 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009895.D

Acq: 24 May 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

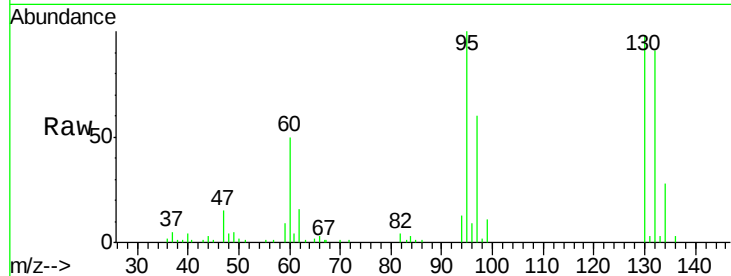
SS052MW159-190523

Tot Ion:130 Resp: 14084

Ion Ratio Lower Upper

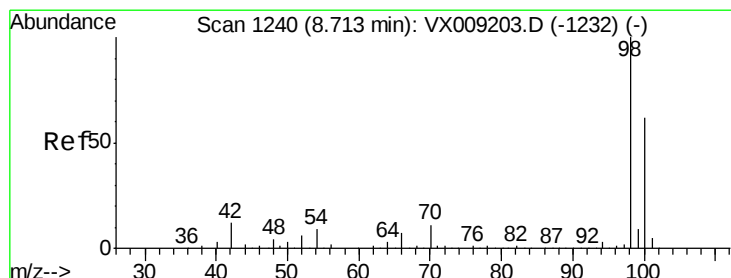
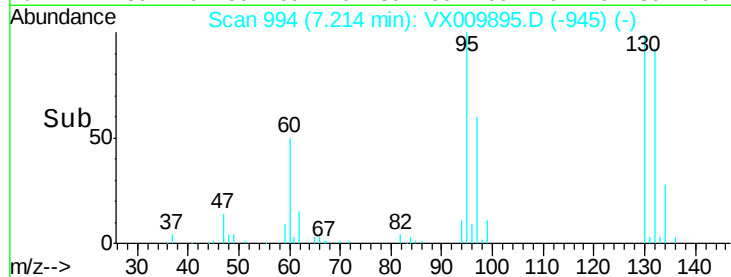
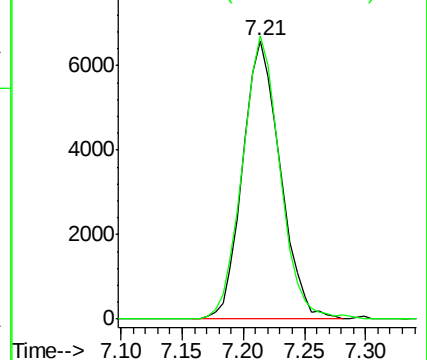
130 100

95 101.7 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.278 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009895.D

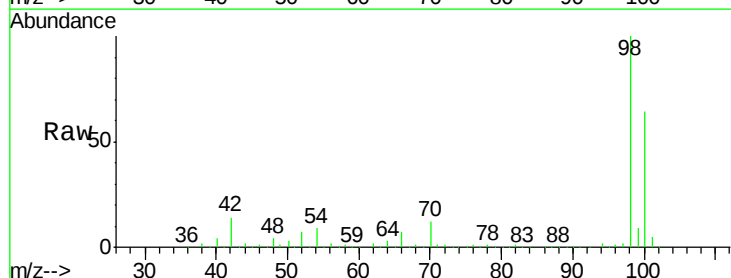
Acq: 24 May 2019 18:31

Tgt Ion: 98 Resp: 356393

Ion Ratio Lower Upper

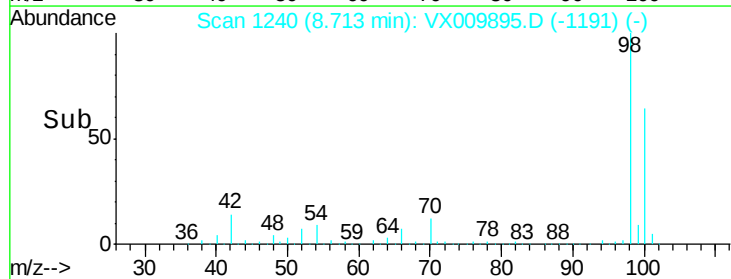
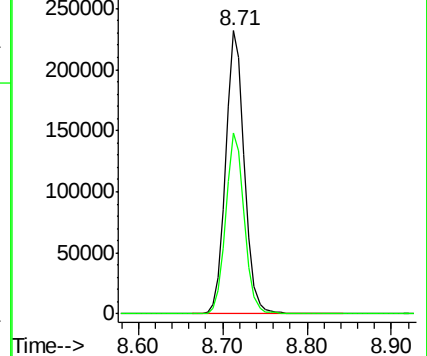
98 100

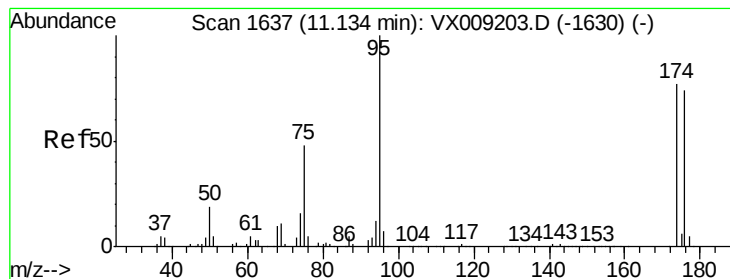
100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.372 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009895.D

Acq: 24 May 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW159-190523

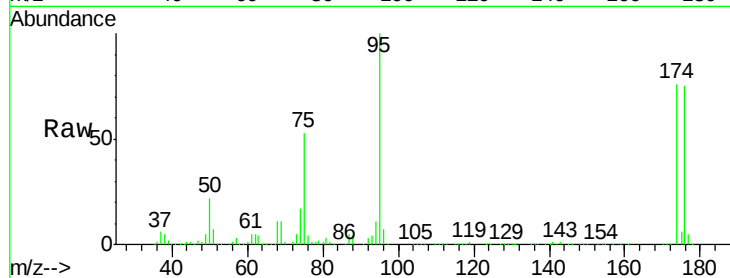
Tot Ion: 95 Resp: 119439

Ion Ratio Lower Upper

95 100

174 80.8 0.0 161.6

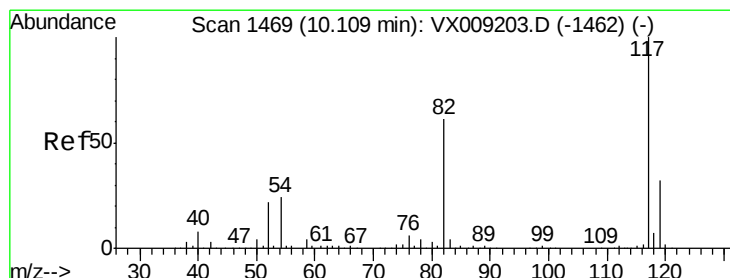
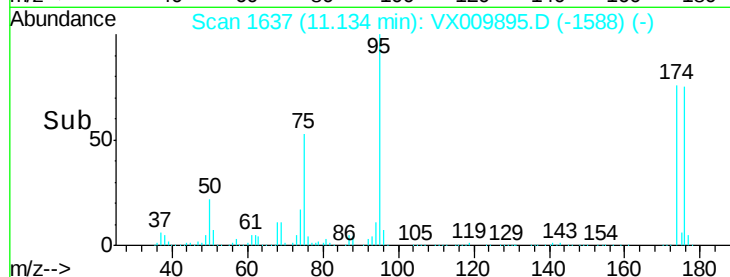
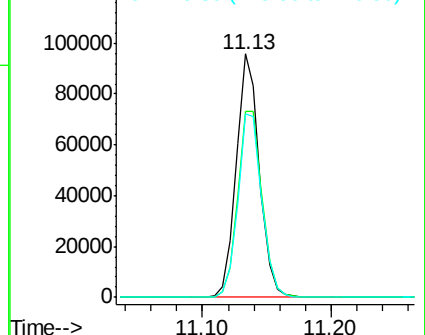
176 78.0 0.0 159.2



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: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009895.D

Acq: 24 May 2019 18:31

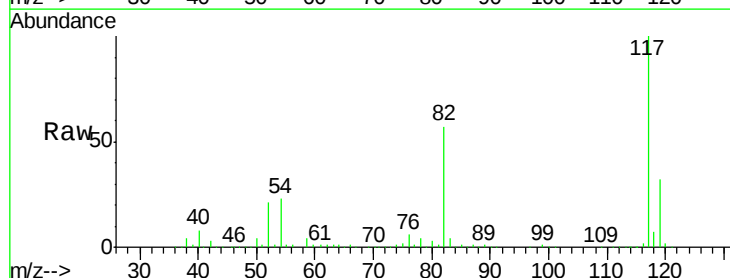
Tgt Ion: 117 Resp: 249376

Ion Ratio Lower Upper

117 100

82 56.7 48.8 73.2

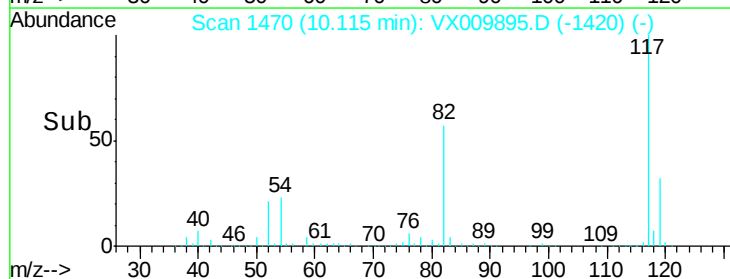
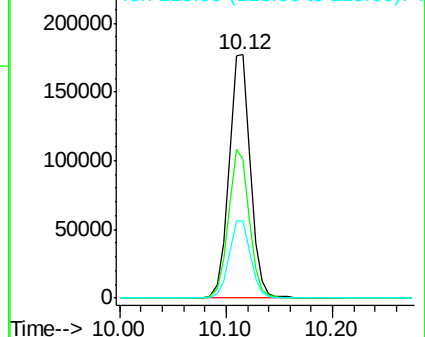
119 31.8 25.8 38.6

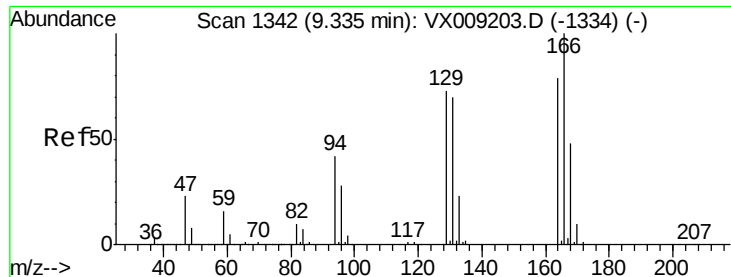


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 1.566 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009895.D

Acq: 24 May 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW159-190523

Tot Ion:164 Resp: 2679

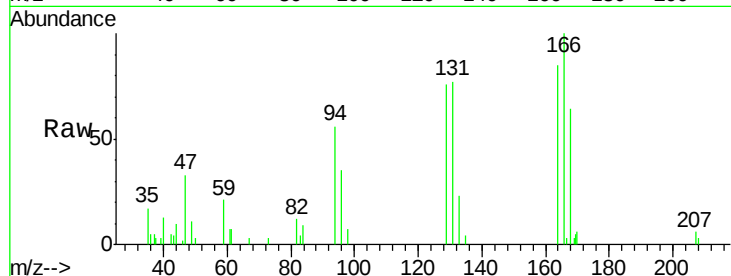
Ion Ratio Lower Upper

164 100

166 117.3 101.2 151.8

129 89.0 74.3 111.5

131 89.7 71.0 106.6

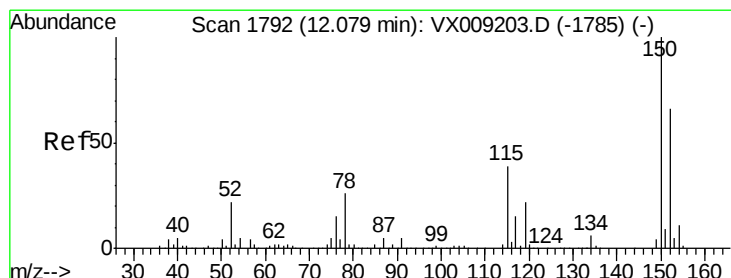
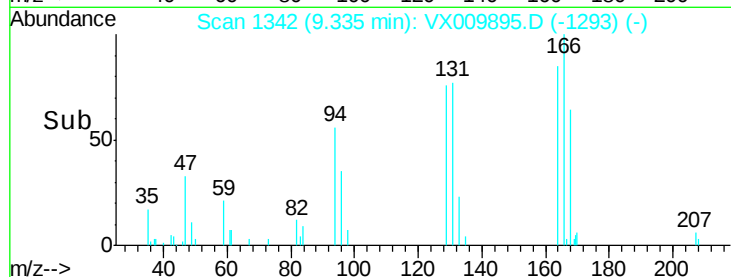
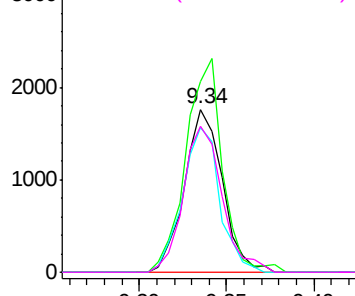


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX009895.D

Acq: 24 May 2019 18:31

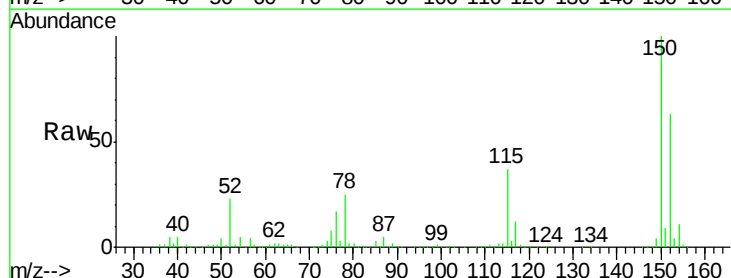
Tgt Ion:152 Resp: 106680

Ion Ratio Lower Upper

152 100

115 59.9 41.2 123.6

150 157.3 0.0 346.4



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

