

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\  
 Data File : VX009638.D  
 Acq On : 17 May 2019 04:04  
 Operator : JC/SP  
 Sample : K2887-12  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW098-190514

Quant Time: May 17 07:57:25 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

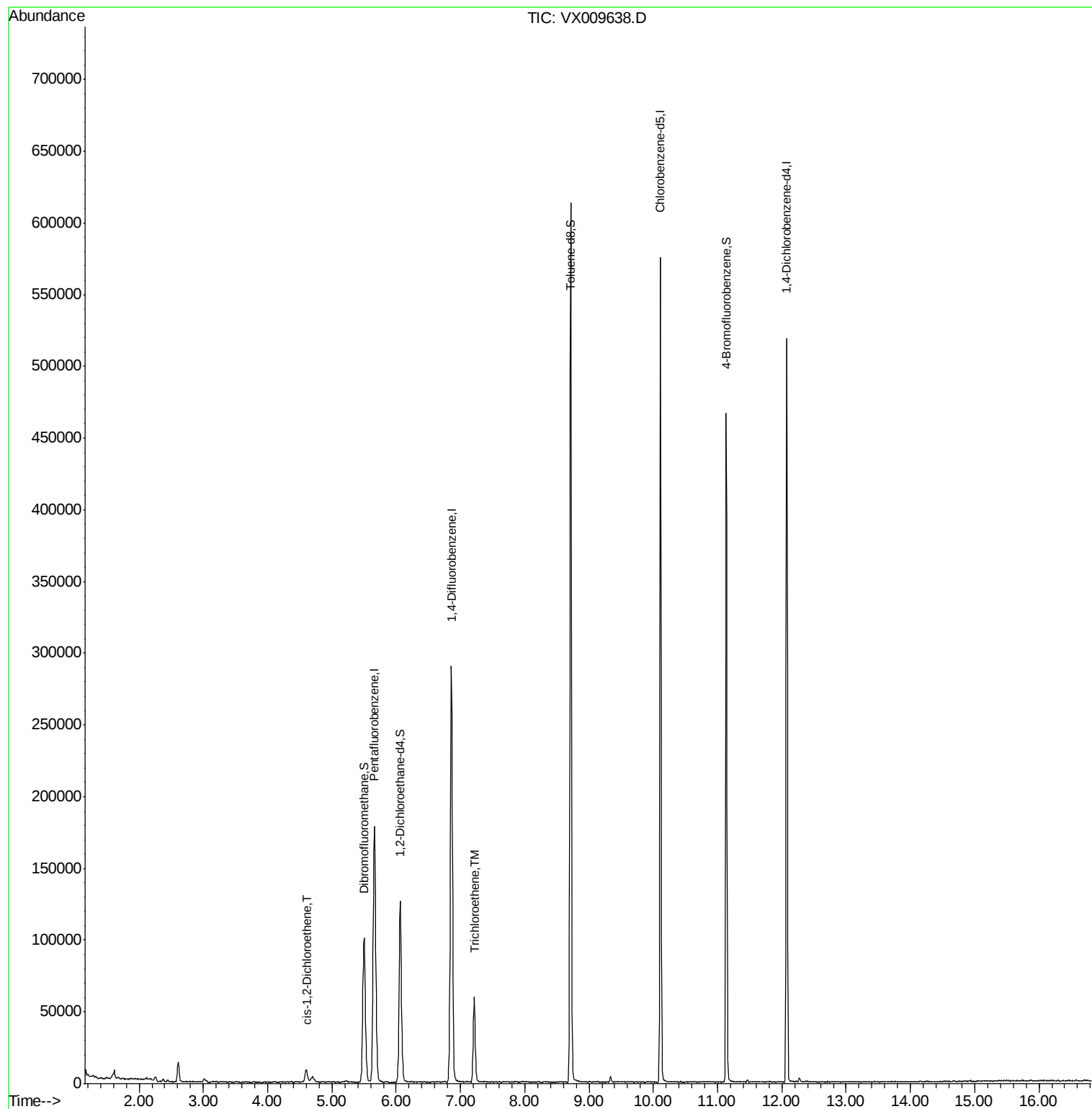
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 173172   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 280164   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 249467   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 106946   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 117083   | 49.53  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.06% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 85566    | 48.58  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.16% |          |
| 50) Toluene-d8              | 8.71  | 98   | 350570   | 49.30  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.60% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 117770   | 45.58  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.16% |          |
| Target Compounds            |       |      |          |        |        |          |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 5320     | 2.529  | ug/l   | 87       |
| 44) Trichloroethene         | 7.21  | 130  | 22722    | 11.664 | ug/l   | 98       |

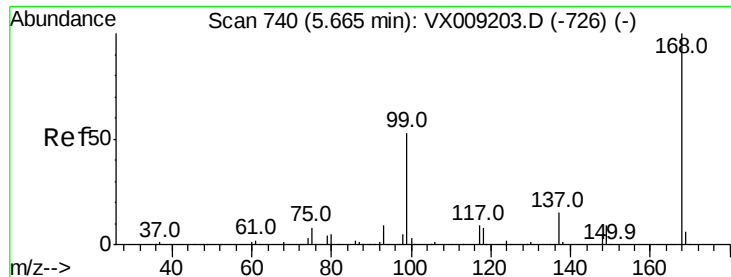
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

Instrument :

MSVOA\_X

ClientSampleId :

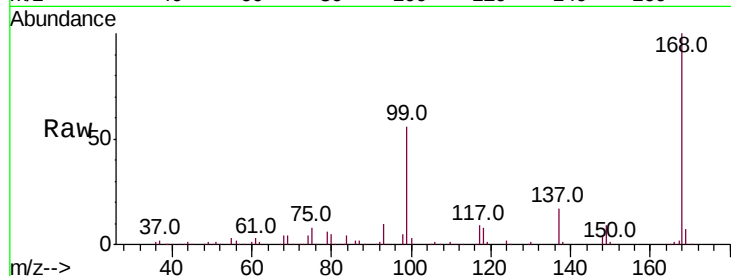
SS052MW098-190514

Tot Ion:168 Resp: 173172

Ion Ratio Lower Upper

168 100

99 56.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

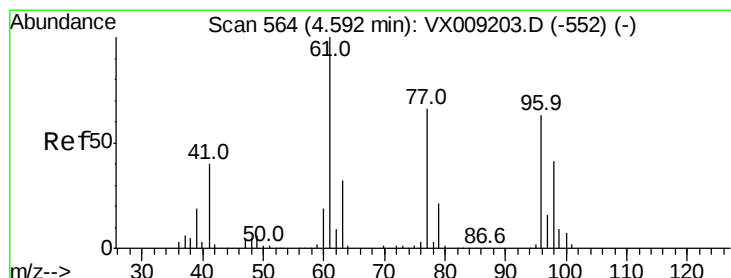
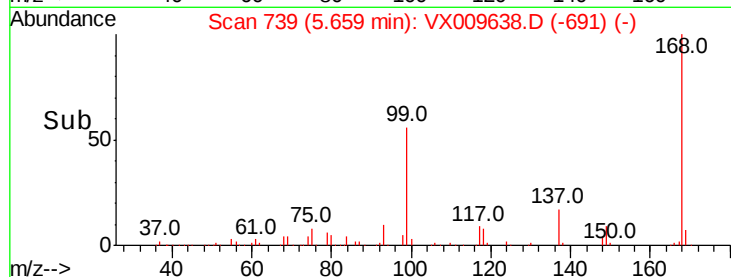
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 2.529 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

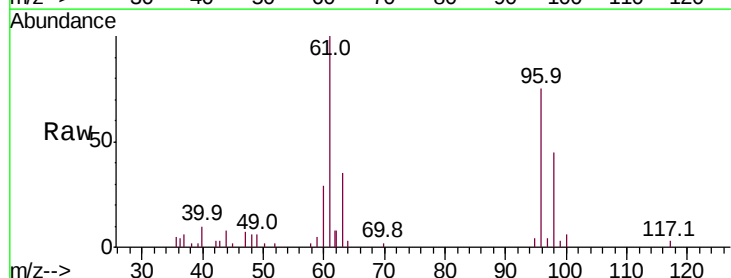
Tgt Ion: 96 Resp: 5320

Ion Ratio Lower Upper

96 100

61 138.1 0.0 324.0

98 66.6 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4.60

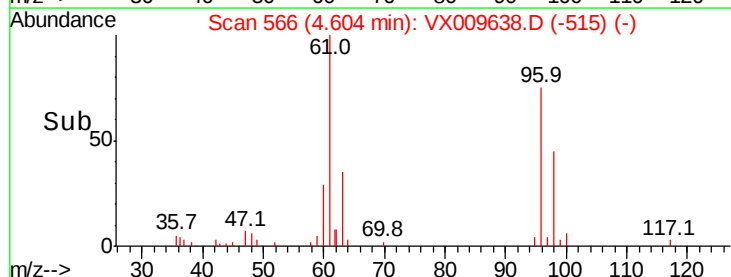
3000

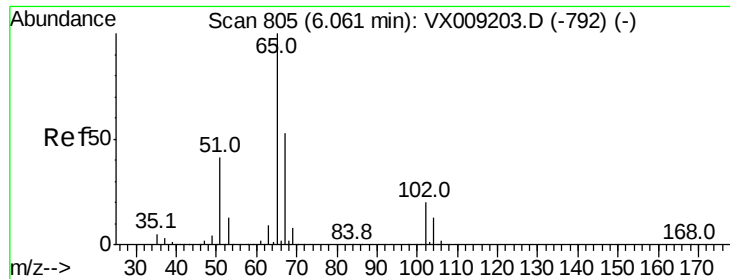
2000

1000

0

Time--> 4.50 4.60 4.70

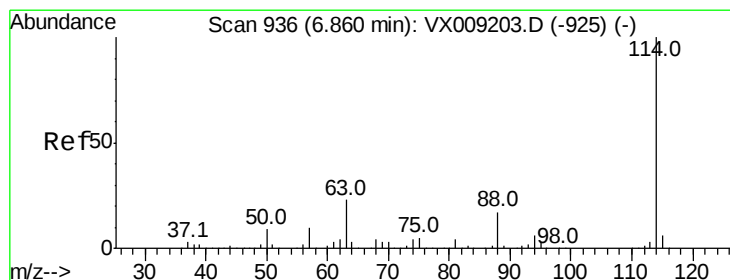
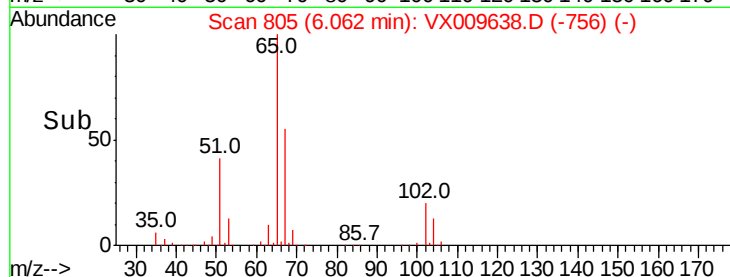
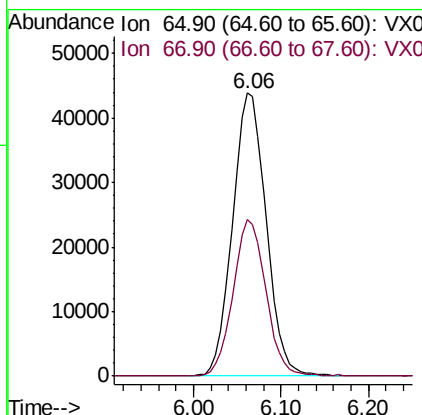
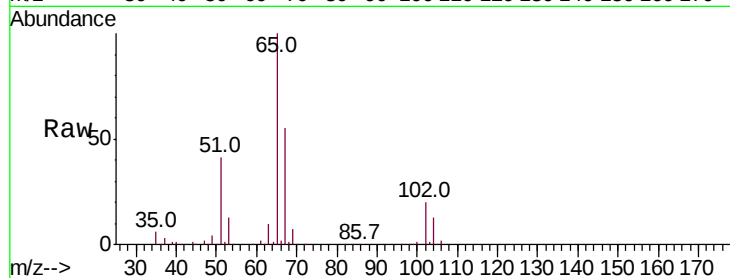




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.527 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX009638.D  
 Acq: 17 May 2019 04:04

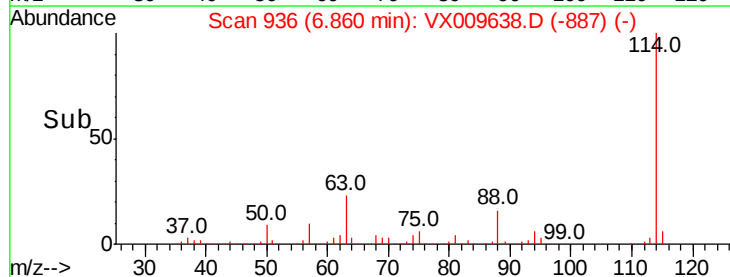
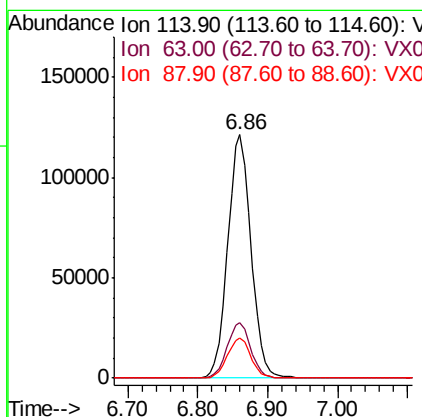
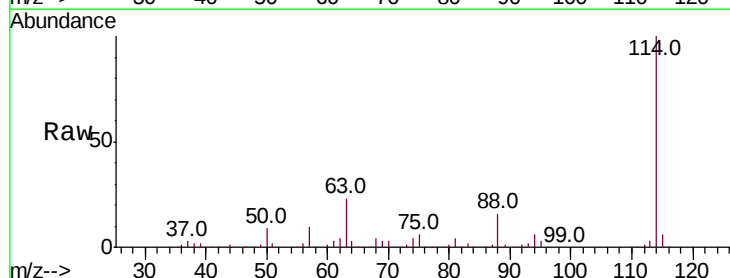
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW098-190514

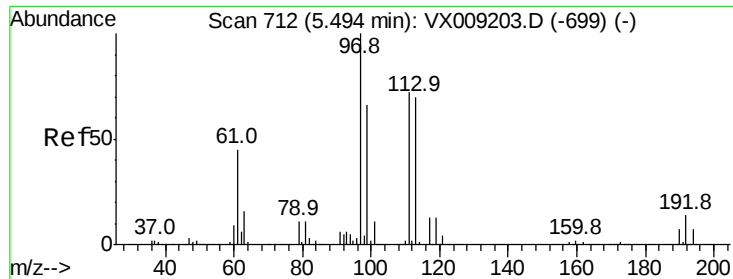
Tot Ion: 65 Resp: 117083  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 106.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX009638.D  
 Acq: 17 May 2019 04:04

Tgt Ion: 114 Resp: 280164  
 Ion Ratio Lower Upper  
 114 100  
 63 22.7 0.0 45.6  
 88 16.2 0.0 33.2

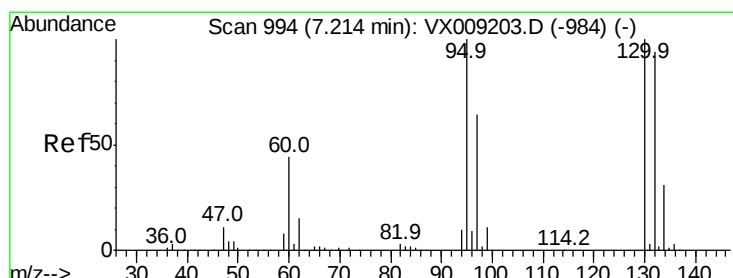
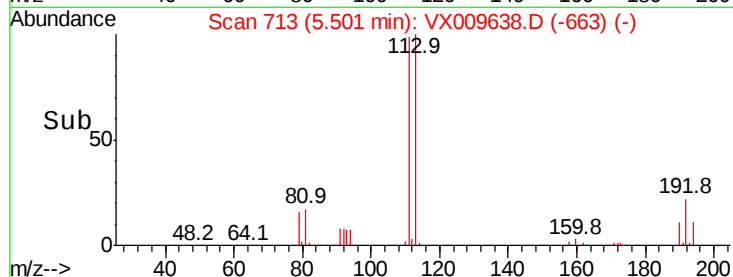
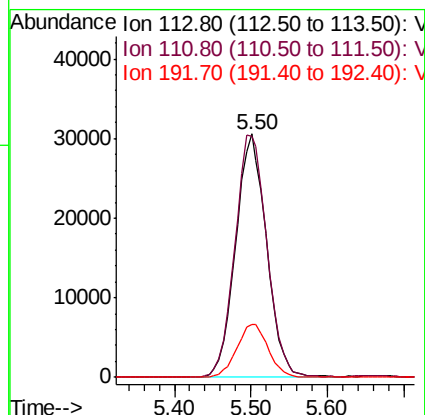
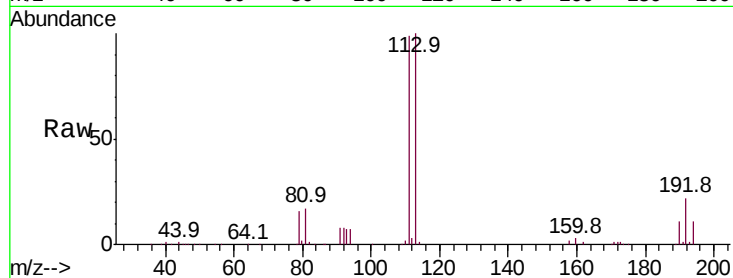




#35  
 Dibromofluoromethane  
 Concen: 48.583 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX009638.D  
 Acq: 17 May 2019 04:04

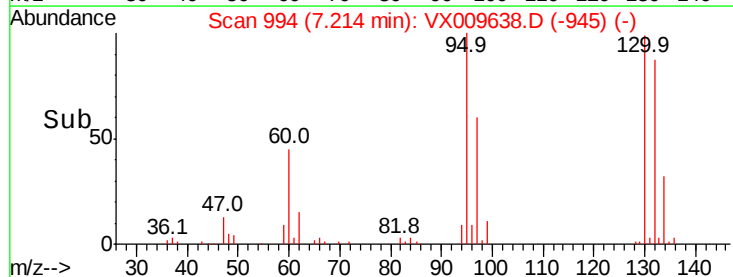
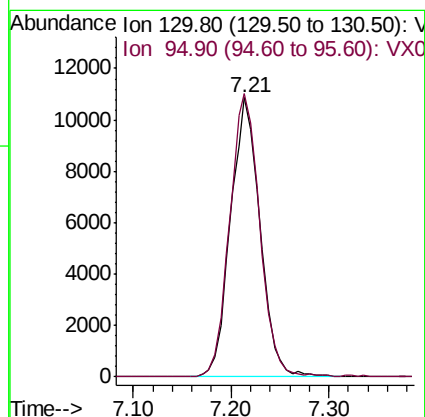
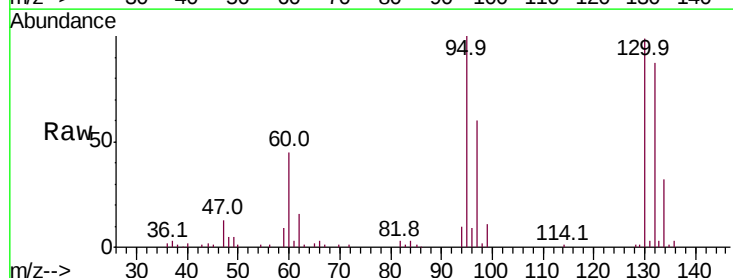
Instrument :  
 MSVOA\_X  
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 SS052MW098-190514

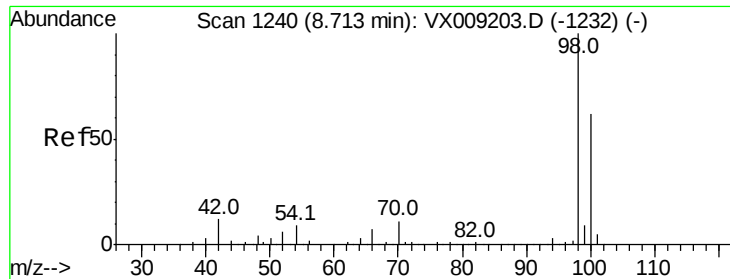
Tot Ion:113 Resp: 85566  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 82.8 124.2  
 192 22.2 17.0 25.6



#44  
 Trichloroethene  
 Concen: 11.664 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. 0.00 min  
 Lab File: VX009638.D  
 Acq: 17 May 2019 04:04

Tgt Ion:130 Resp: 22722  
 Ion Ratio Lower Upper  
 130 100  
 95 101.4 0.0 199.2





#50

Toluene-d8

Concen: 49.303 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

Instrument :

MSVOA\_X

ClientSampleId :

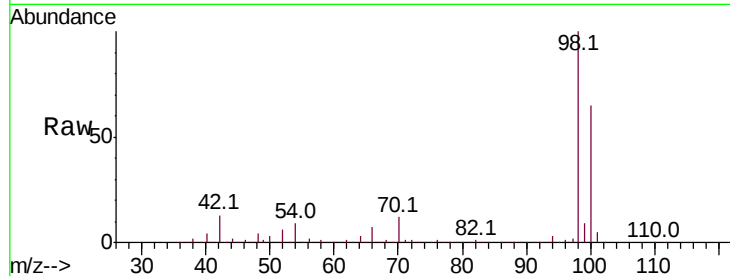
SS052MW098-190514

Tot Ion: 98 Resp: 350570

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

100000

50000

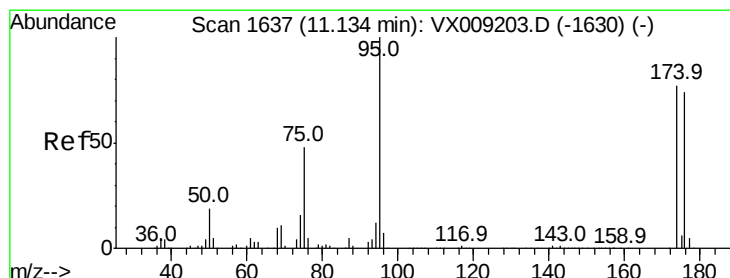
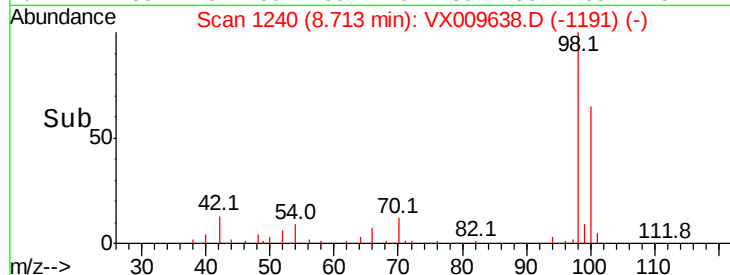
0

8.60

8.70

8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 45.582 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009638.D

Acq: 17 May 2019 04:04

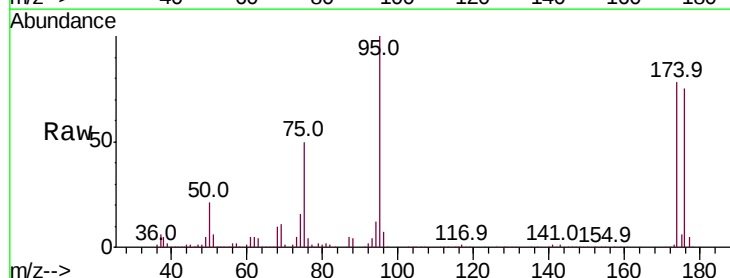
Tgt Ion: 95 Resp: 117770

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

176 78.4 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

120000

100000

80000

60000

40000

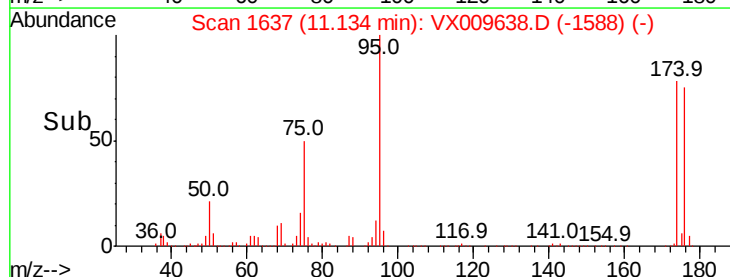
20000

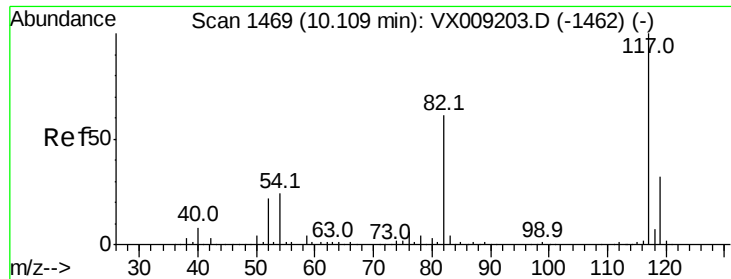
0

11.10

11.20

Time-->

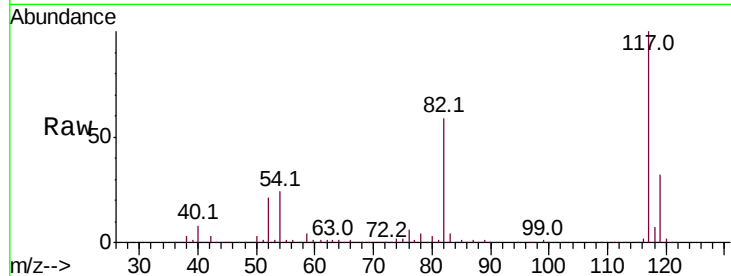




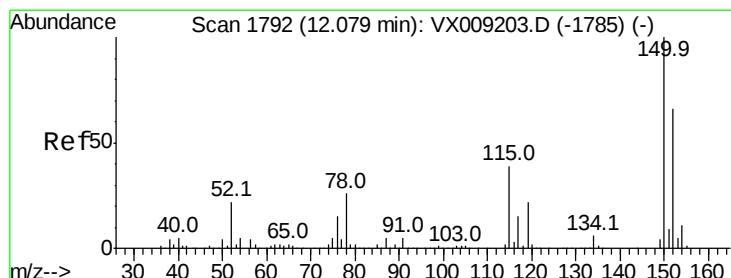
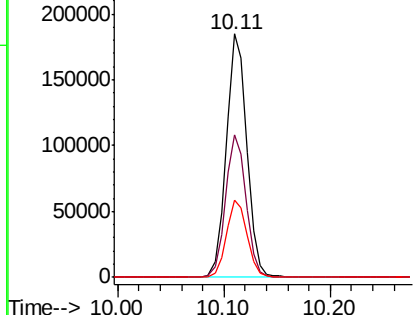
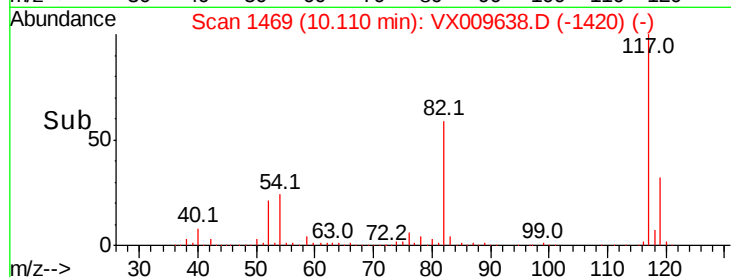
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX009638.D  
Acq: 17 May 2019 04:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW098-190514

Tot Ion:117 Resp: 249467  
Ion Ratio Lower Upper  
117 100  
82 58.8 48.8 73.2  
119 31.7 25.8 38.6

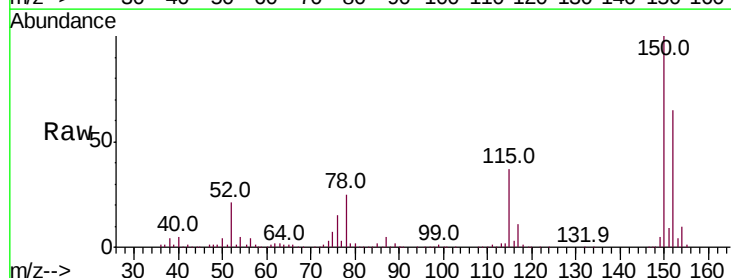


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX009638.D  
Acq: 17 May 2019 04:04

Tgt Ion:152 Resp: 106946  
Ion Ratio Lower Upper  
152 100  
115 59.1 41.2 123.6  
150 158.4 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

