

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\  
 Data File : VX018005.D  
 Acq On : 20 Aug 2020 00:27  
 Operator : JC/SP  
 Sample : L3694-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1S-081320

Quant Time: Aug 20 06:02:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081920W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 19 05:36:51 2020  
 Response via : Initial Calibration

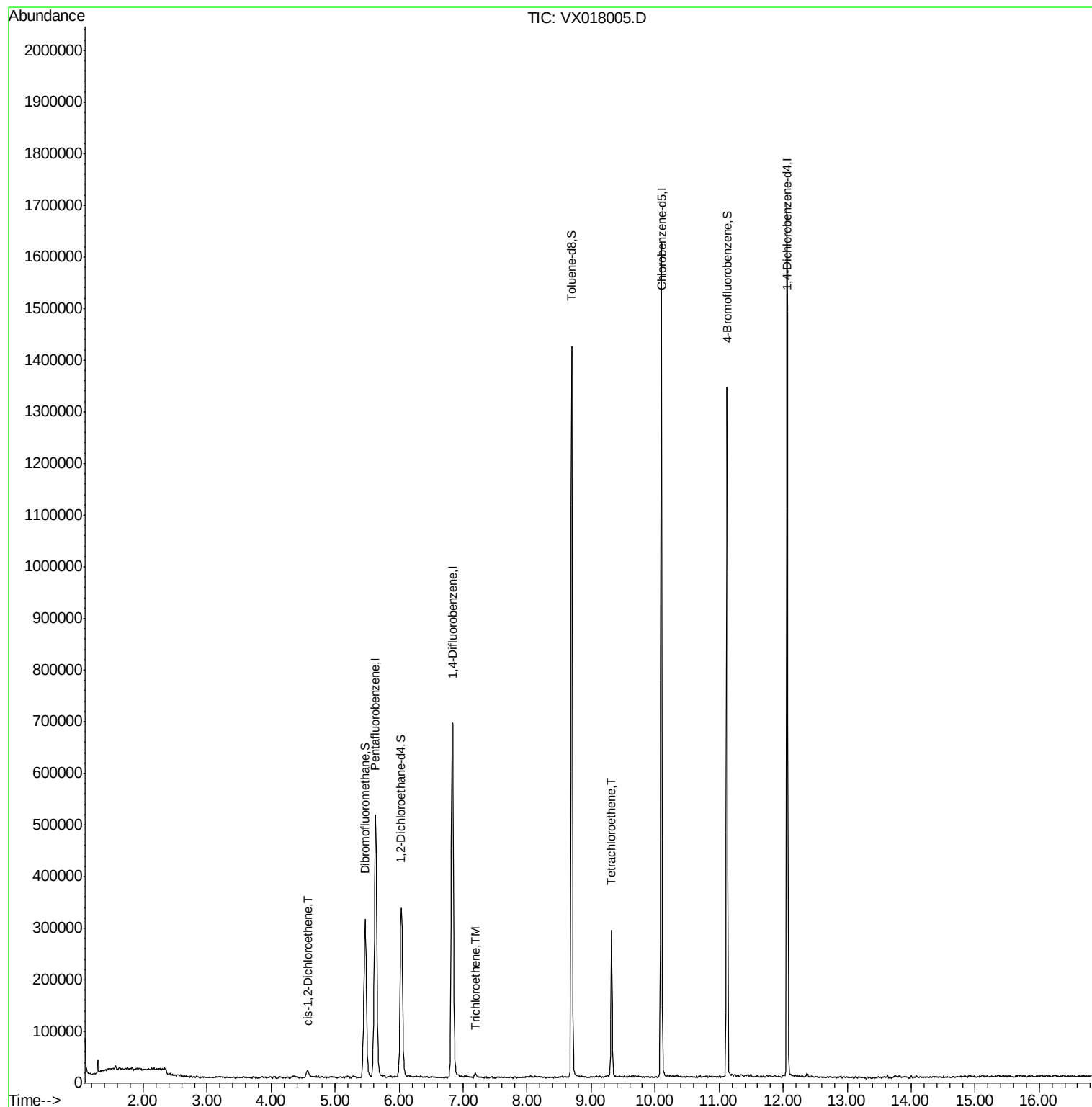
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 464831   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 704420   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 718256   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 347461   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 329705   | 48.39 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.78%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 262821   | 50.10 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.20% |          |
| 50) Toluene-d8              | 8.70  | 98   | 855332   | 46.13 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.26%  |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 335036   | 48.92 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.84%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 27) cis-1,2-Dichloroethene  | 4.57  | 96   | 9308     | 1.832 | ug/l    | 82       |
| 44) Trichloroethene         | 7.20  | 130  | 3654     | 0.694 | ug/l    | 44       |
| 64) Tetrachloroethene       | 9.32  | 164  | 53163    | 9.692 | ug/l    | 96       |

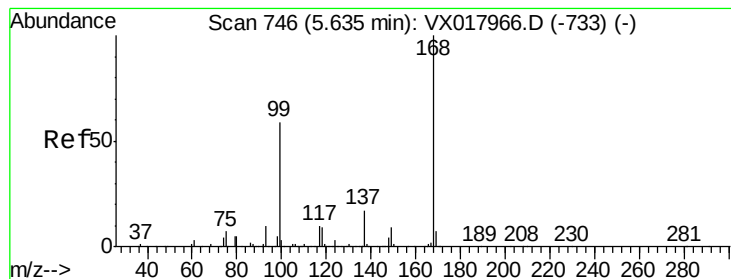
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081920\  
Data File : VX018005.D  
Acq On : 20 Aug 2020 00:27  
Operator : JC/SP  
Sample : L3694-05  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1S-081320

Quant Time: Aug 20 06:02:05 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X081920W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 19 05:36:51 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

Instrument :

MSVOA\_X

ClientSampleId :

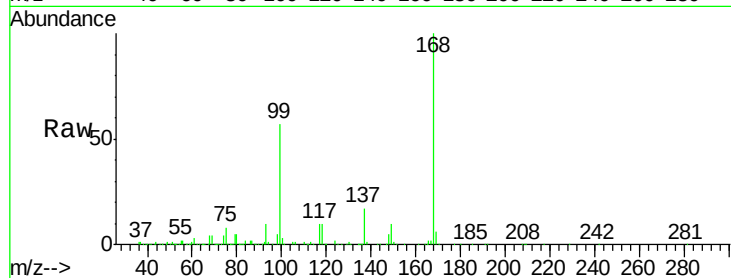
MW-1S-081320

Tot Ion:168 Resp: 464831

Ion Ratio Lower Upper

168 100

99 57.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

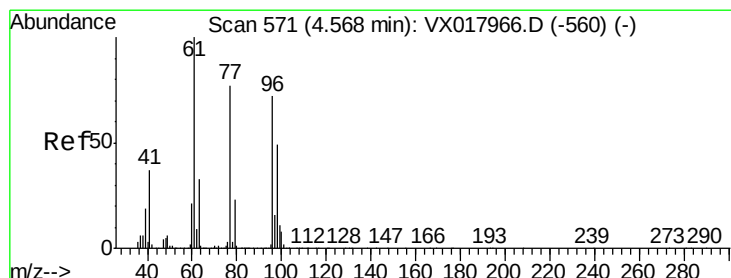
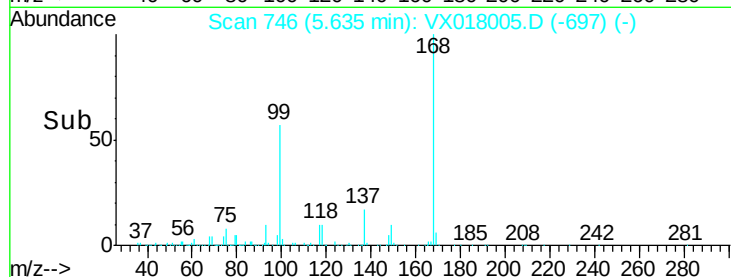
150000

100000

50000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.832 ug/l

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

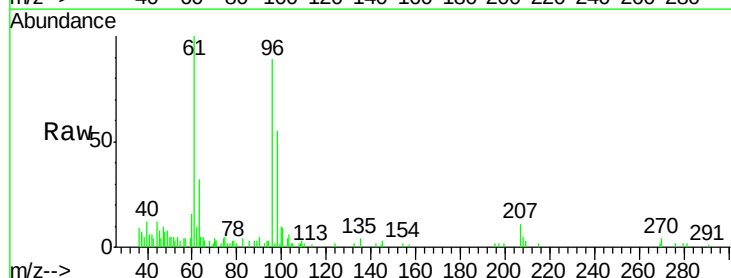
Tgt Ion: 96 Resp: 9308

Ion Ratio Lower Upper

96 100

61 121.4 0.0 298.8

98 70.6 0.0 130.2



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

4.57

5000

4000

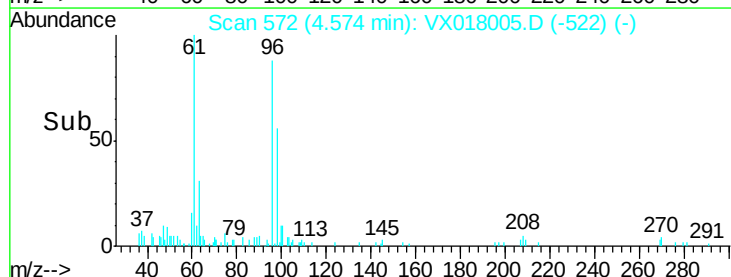
3000

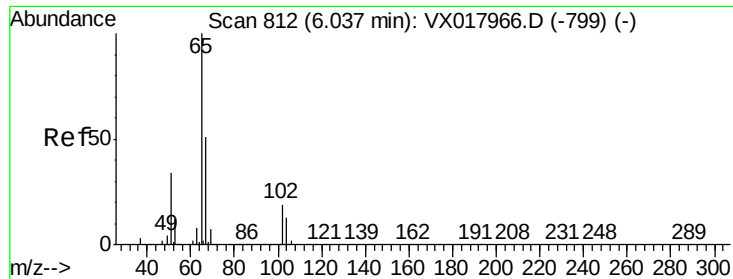
2000

1000

0

Time-->

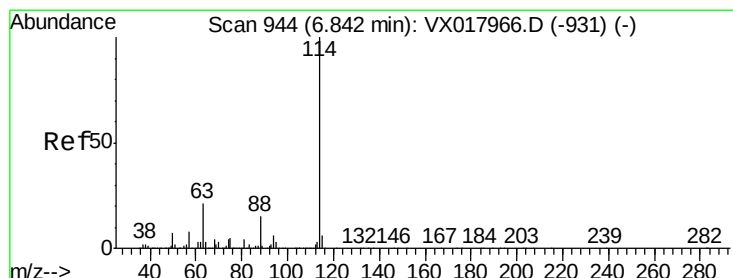
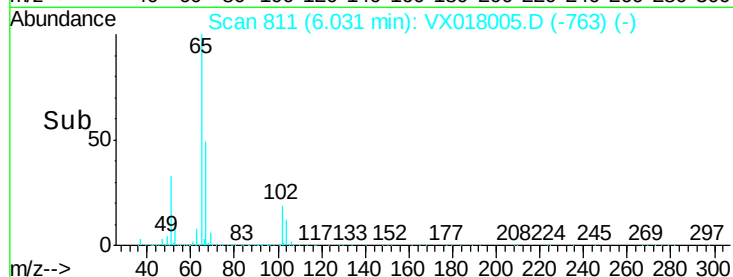
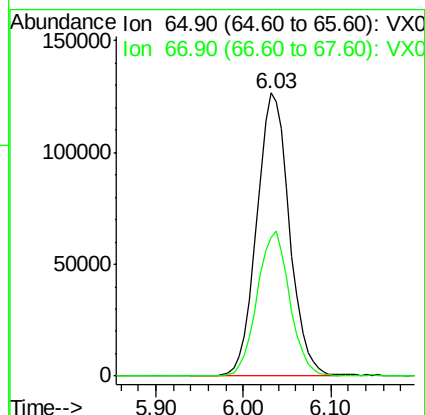
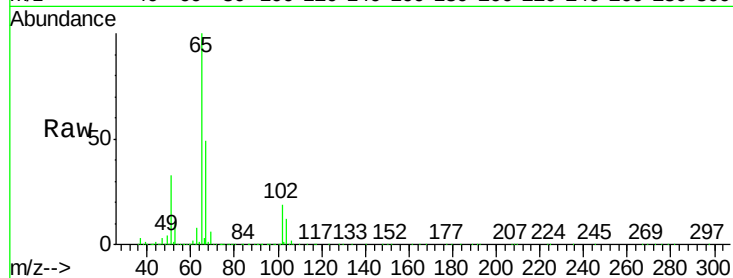




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.386 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.01 min  
 Lab File: VX018005.D  
 Acq: 20 Aug 2020 00:27

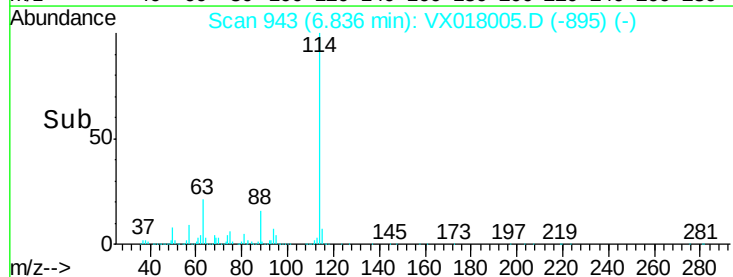
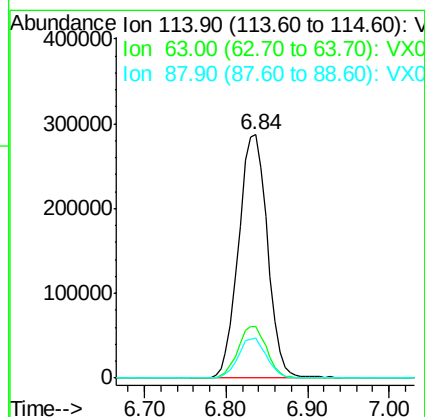
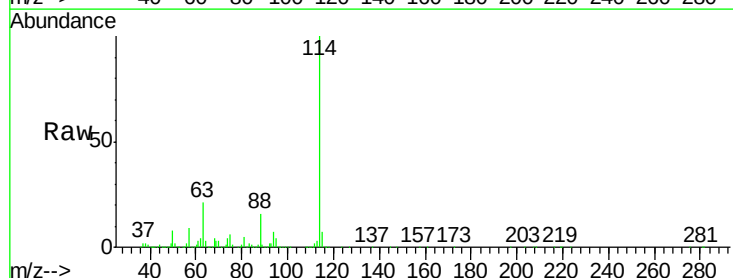
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1S-081320

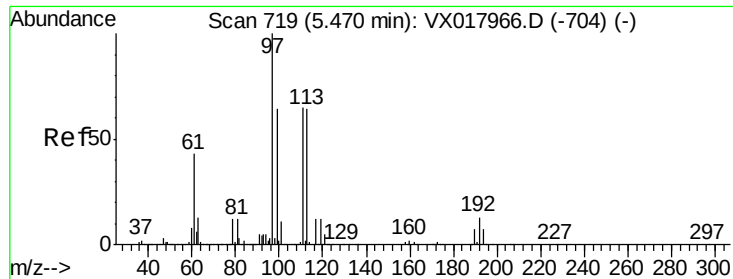
Tot Ion: 65 Resp: 329705  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 943  
 Delta R.T. -0.01 min  
 Lab File: VX018005.D  
 Acq: 20 Aug 2020 00:27

Tgt Ion: 114 Resp: 704420  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 42.6  
 88 16.4 0.0 30.2

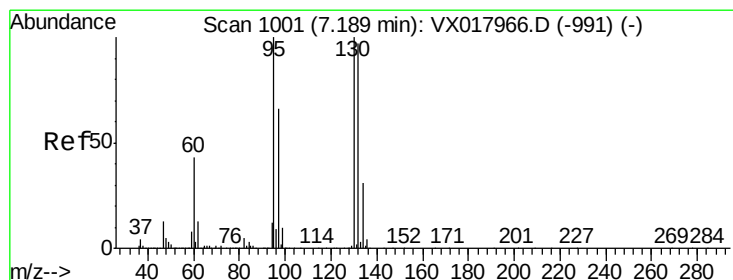
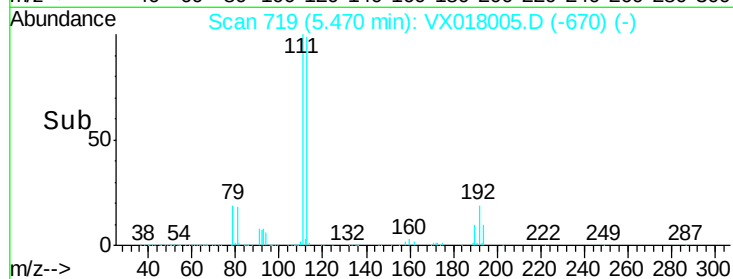
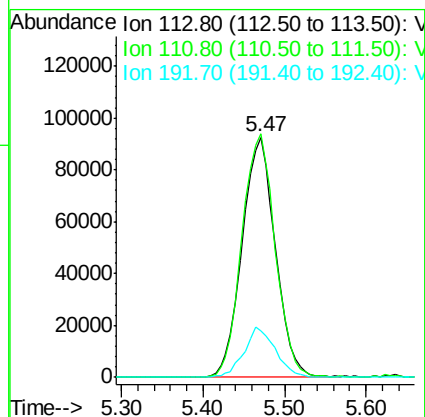
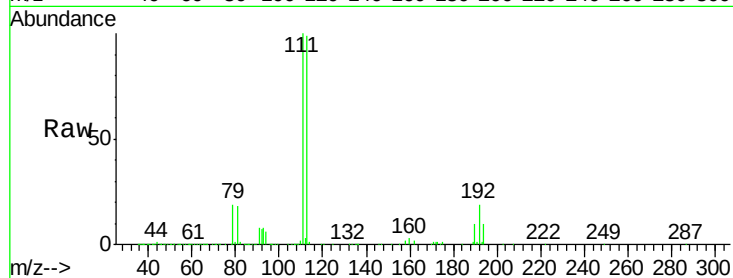




#35  
 Dibromofluoromethane  
 Concen: 50.102 ug/l  
 RT: 5.47 min Scan# 719  
 Delta R.T. 0.00 min  
 Lab File: VX018005.D  
 Acq: 20 Aug 2020 00:27

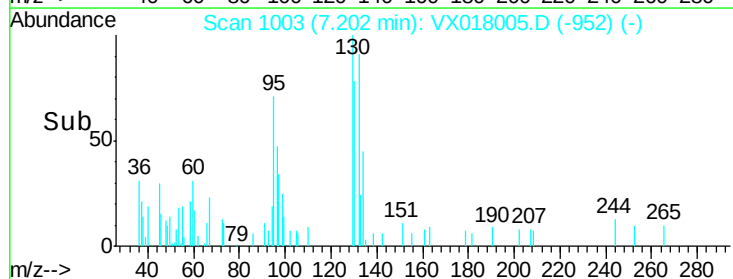
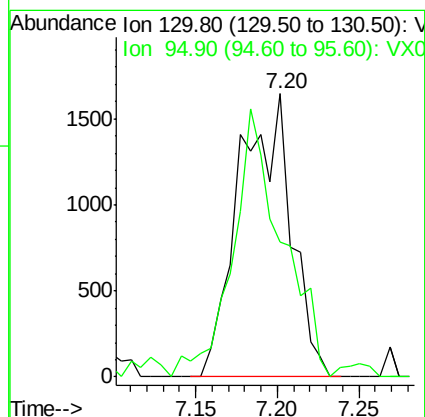
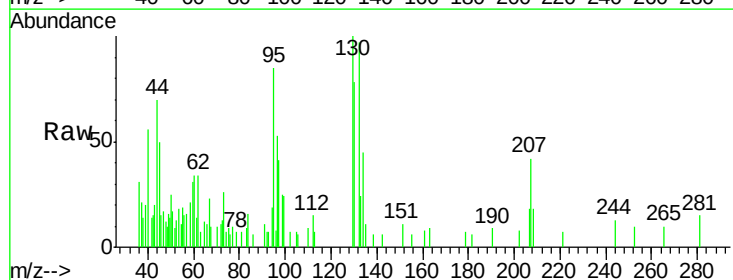
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1S-081320

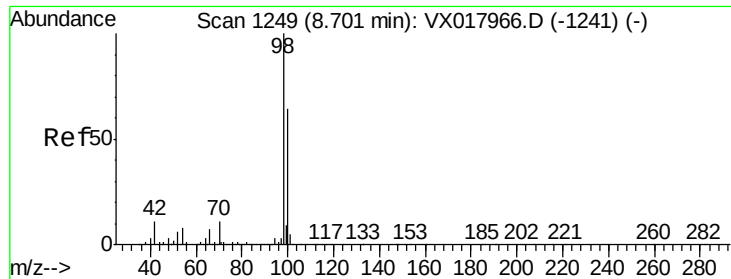
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.4 | 83.5  | 125.3 |
| 192     | 19.7  | 16.2  | 24.4  |



#44  
 Trichloroethene  
 Concen: 0.694 ug/l  
 RT: 7.20 min Scan# 1003  
 Delta R.T. 0.01 min  
 Lab File: VX018005.D  
 Acq: 20 Aug 2020 00:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 44.4  | 0.0   | 200.6 |

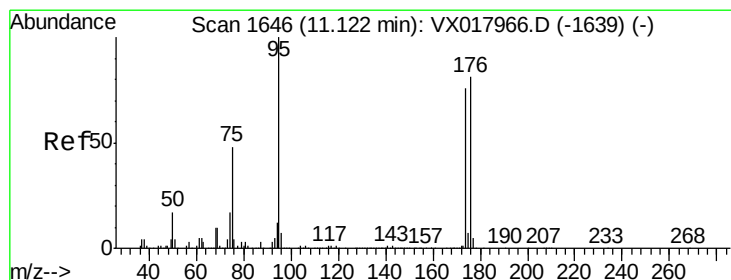
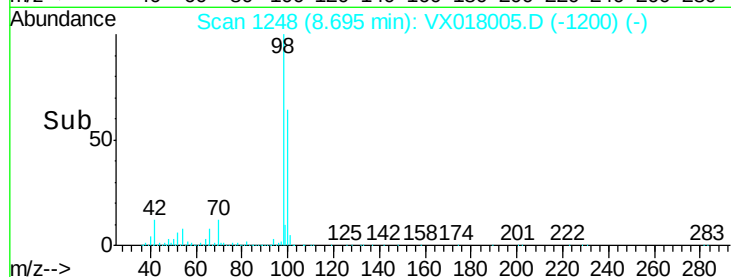
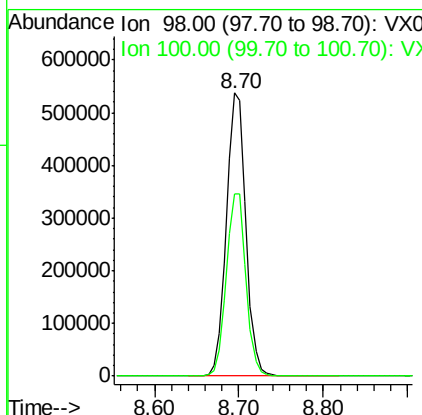
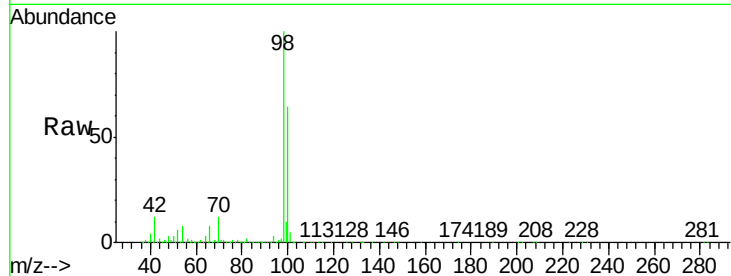




#50  
Toluene-d8  
Concen: 46.129 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.01 min  
Lab File: VX018005.D  
Acq: 20 Aug 2020 00:27

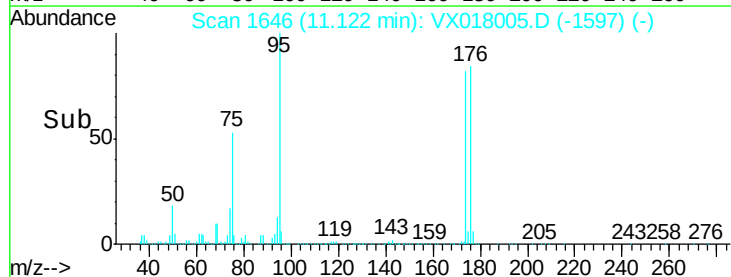
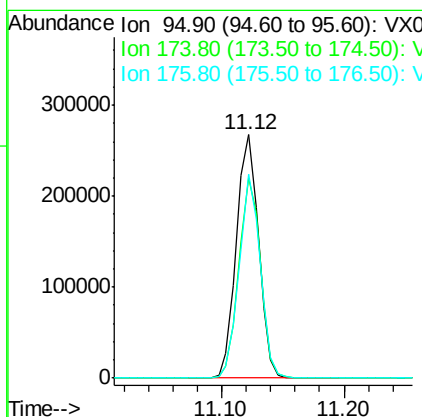
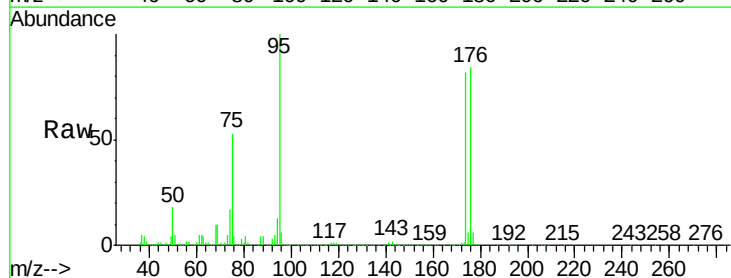
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1S-081320

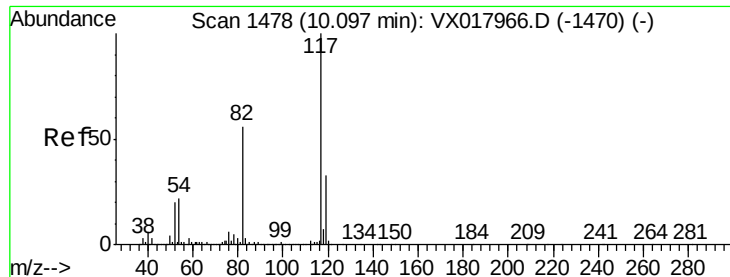
Tot Ion: 98 Resp: 855332  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.4 77.2



#62  
4-Bromofluorobenzene  
Concen: 48.921 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. 0.00 min  
Lab File: VX018005.D  
Acq: 20 Aug 2020 00:27

Tgt Ion: 95 Resp: 335036  
Ion Ratio Lower Upper  
95 100  
174 80.7 0.0 166.0  
176 79.2 0.0 161.0

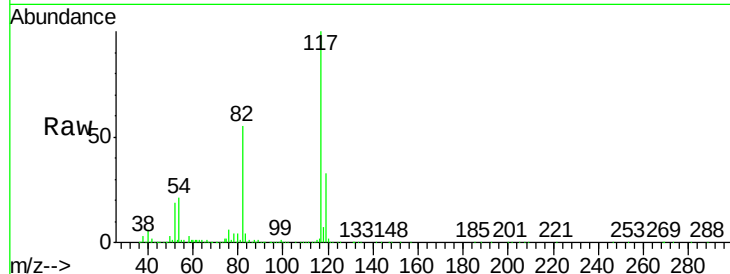




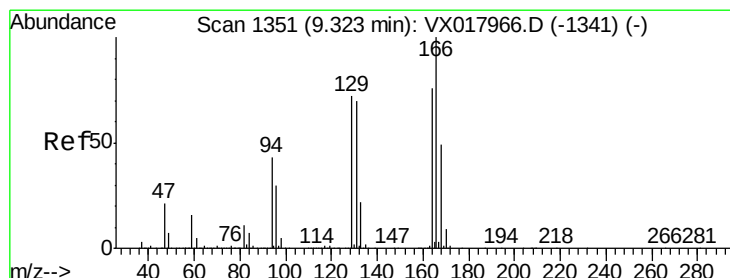
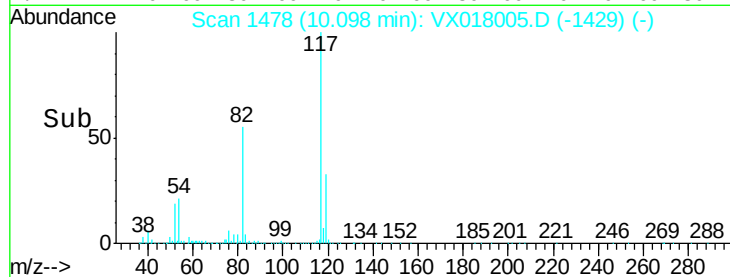
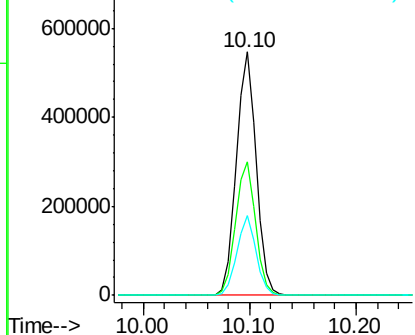
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX018005.D  
Acq: 20 Aug 2020 00:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1S-081320

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.8  | 44.6  | 66.8  |
| 119     | 32.5  | 26.2  | 39.4  |



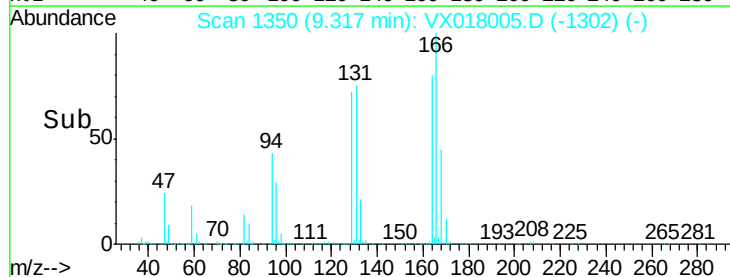
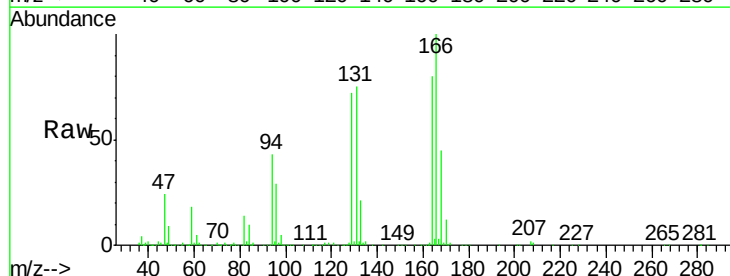
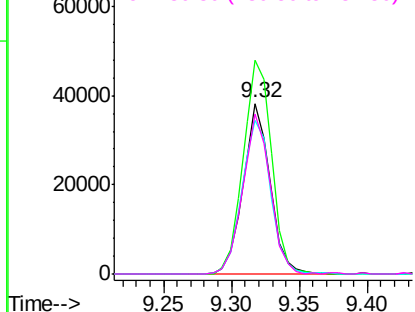
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

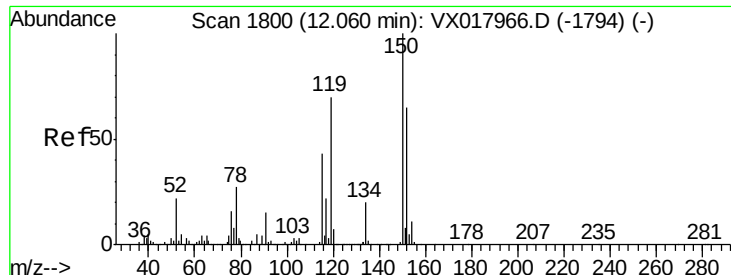


#64  
Tetrachloroethene  
Concen: 9.692 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. -0.01 min  
Lab File: VX018005.D  
Acq: 20 Aug 2020 00:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.3 | 105.7 | 158.5 |
| 129     | 90.4  | 75.8  | 113.8 |
| 131     | 93.9  | 74.2  | 111.4 |

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: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

Instrument :

MSVOA\_X

ClientSampleId :

MW-1S-081320

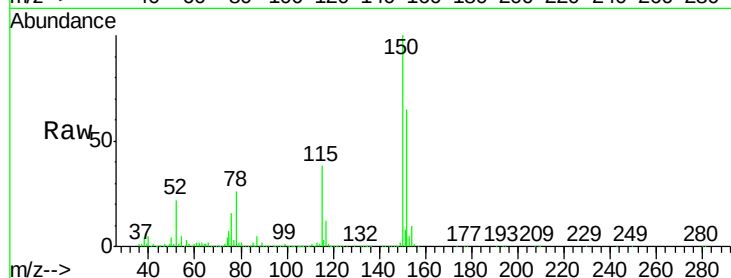
Tot Ion:152 Resp: 347461

Ion Ratio Lower Upper

152 100

115 58.4 40.6 121.7

150 155.7 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

