

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090920\  
 Data File : VX018329.D  
 Acq On : 09 Sep 2020 18:09  
 Operator : JC/SP  
 Sample : L3902-13RE  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FT-PZ461I-20200901RE

Quant Time: Sep 10 07:52:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 03:03:56 2020  
 Response via : Initial Calibration

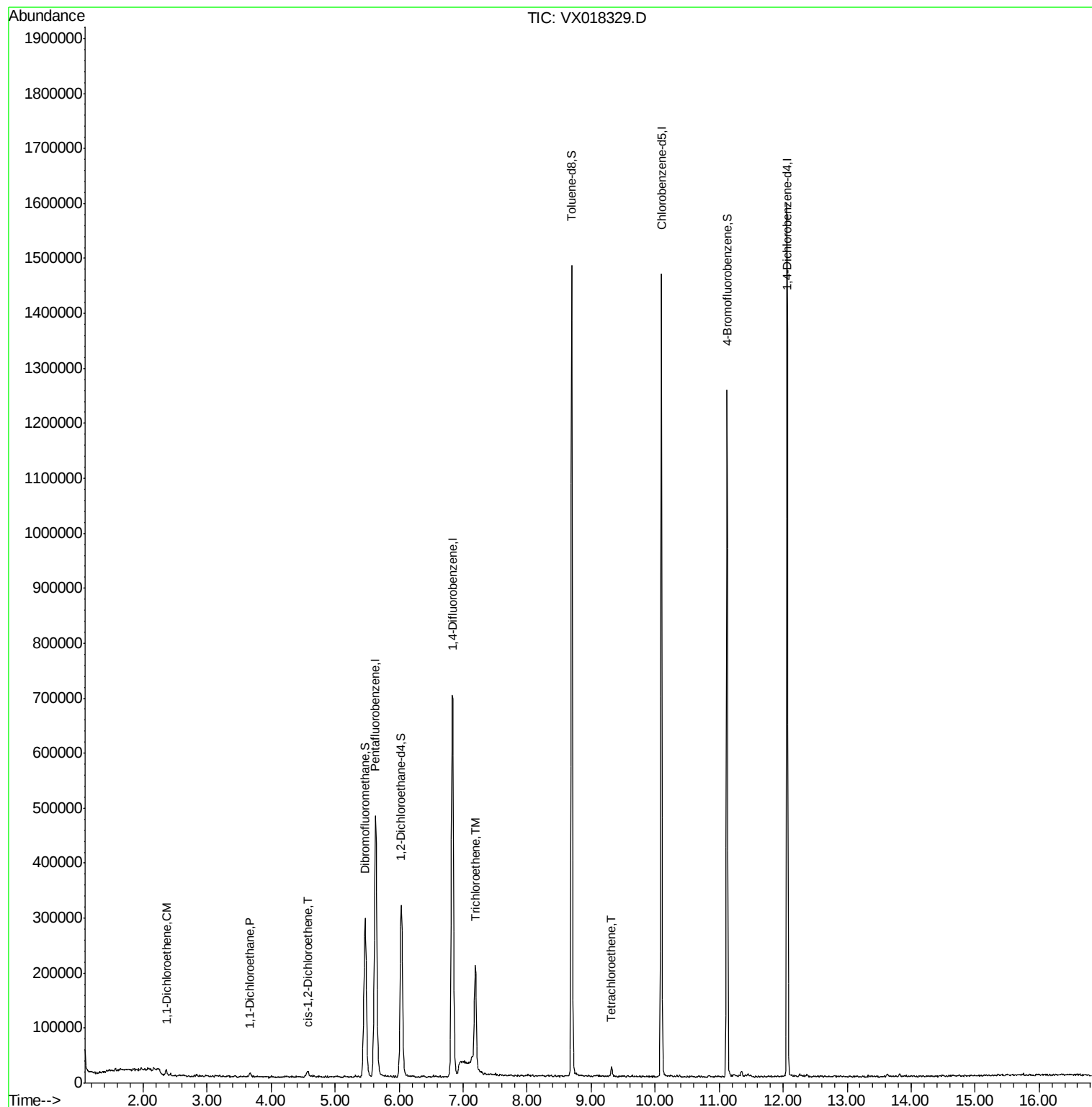
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 434092   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 699272   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 653064   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 314444   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 312947   | 51.93  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.86% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 243851   | 51.20  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.40% |          |
| 50) Toluene-d8              | 8.70  | 98   | 858846   | 48.42  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.84%  |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 314873   | 45.12  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.24%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 12) 1,1-Dichloroethene      | 2.36  | 96   | 4582     | 1.080  | ug/l    | 82       |
| 24) 1,1-Dichloroethane      | 3.67  | 63   | 7626     | 0.891  | ug/l #  | 95       |
| 27) cis-1,2-Dichloroethene  | 4.57  | 96   | 6406     | 1.183  | ug/l    | 87       |
| 44) Trichloroethene         | 7.19  | 130  | 72060    | 13.457 | ug/l    | 99       |
| 64) Tetrachloroethene       | 9.32  | 164  | 2329     | 0.485  | ug/l #  | 83       |

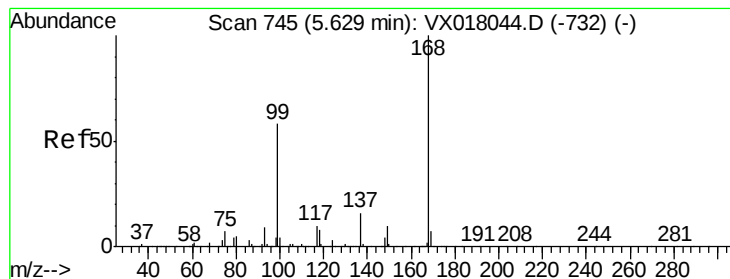
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090920\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 21 03:03:56 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018329.D

Acq: 09 Sep 2020 18:09

Instrument :

MSVOA\_X

ClientSampleId :

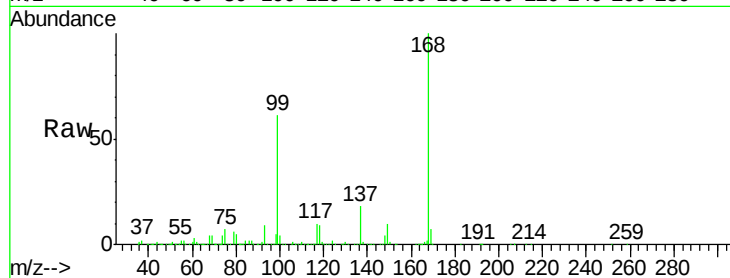
FT-PZ461I-20200901RE

Tot Ion:168 Resp: 434092

Ion Ratio Lower Upper

168 100

99 61.3 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

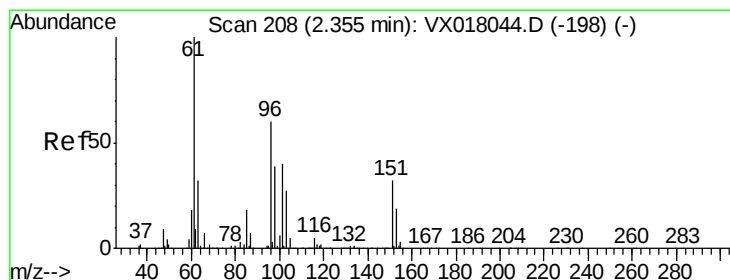
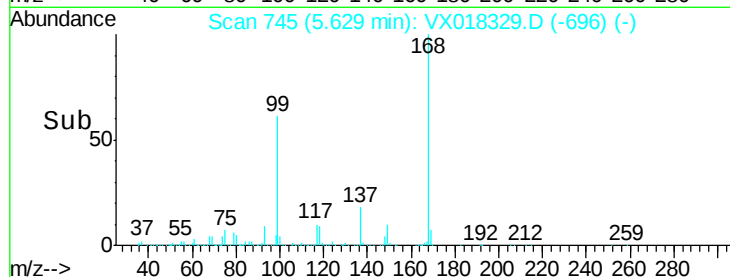
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 1.080 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX018329.D

Acq: 09 Sep 2020 18:09

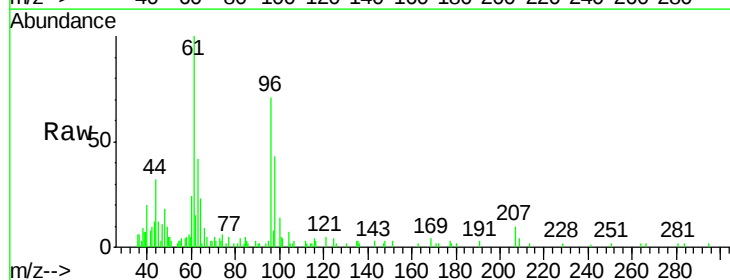
Tgt Ion: 96 Resp: 4582

Ion Ratio Lower Upper

96 100

61 134.3 133.0 199.4

98 60.9 51.6 77.4



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

4000

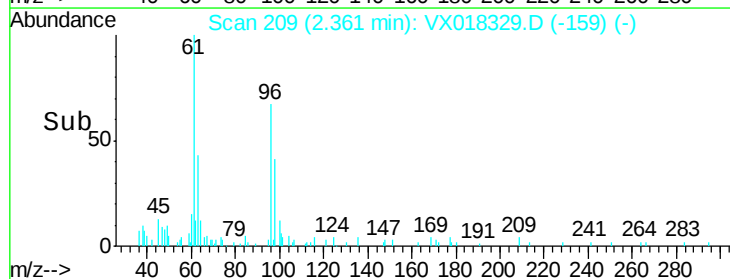
3000

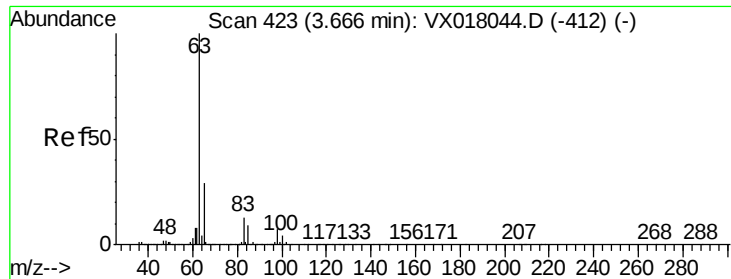
2000

1000

0

Time-->





#24

1,1-Dichloroethane

Concen: 0.891 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX018329.D

Acq: 09 Sep 2020 18:09

Instrument :

MSVOA\_X

ClientSampleId :

FT-PZ461I-20200901RE

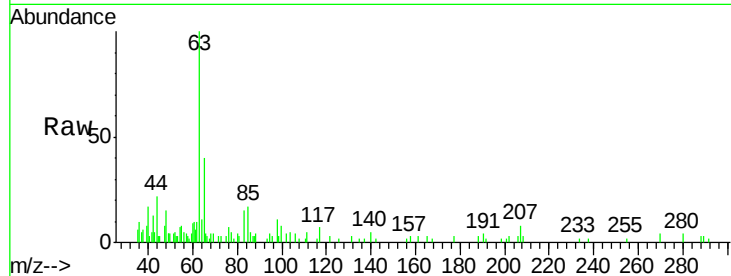
Tot Ion: 63 Resp: 7626

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

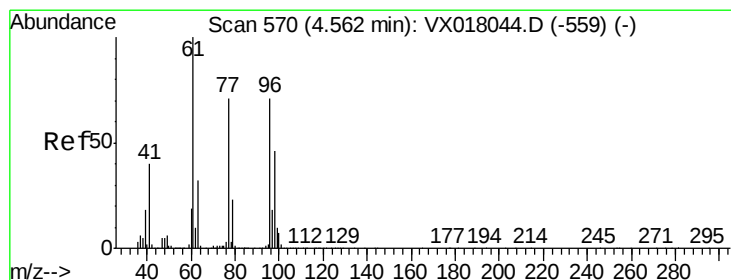
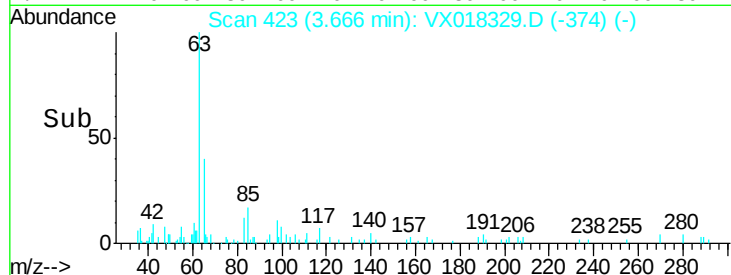
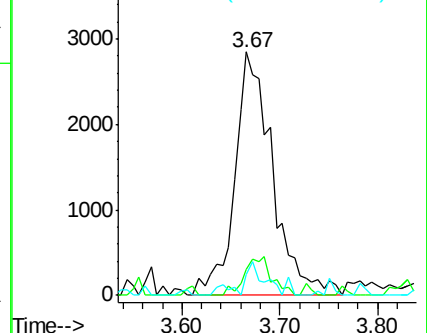
100 8.4 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.183 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX018329.D

Acq: 09 Sep 2020 18:09

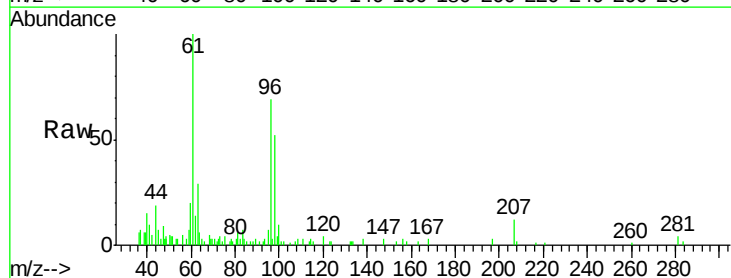
Tgt Ion: 96 Resp: 6406

Ion Ratio Lower Upper

96 100

61 124.8 0.0 296.6

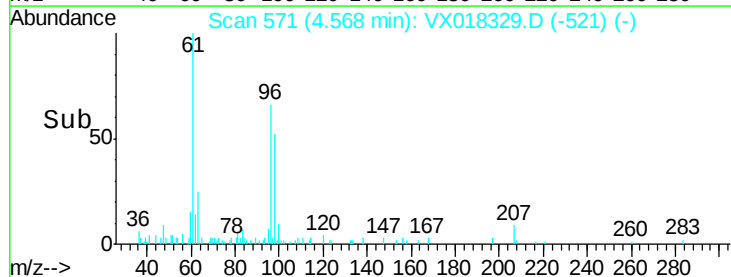
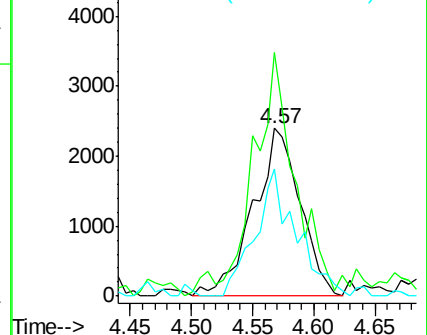
98 66.4 0.0 130.2



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

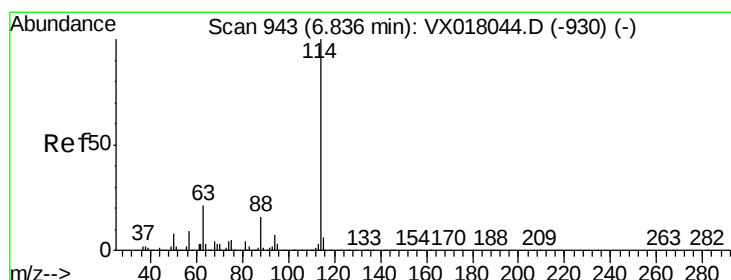
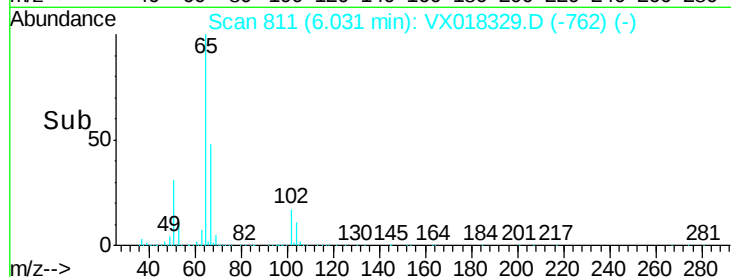
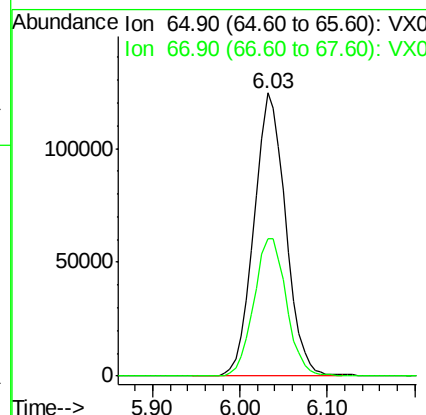
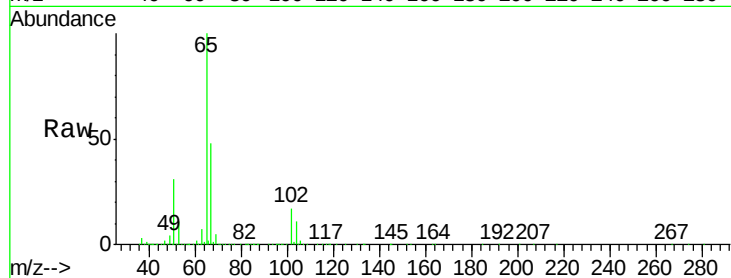




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.930 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX018329.D  
 Acq: 09 Sep 2020 18:09

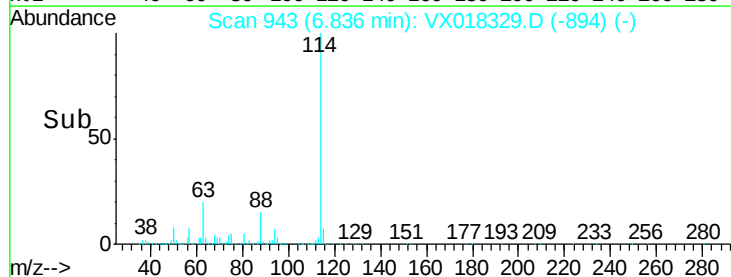
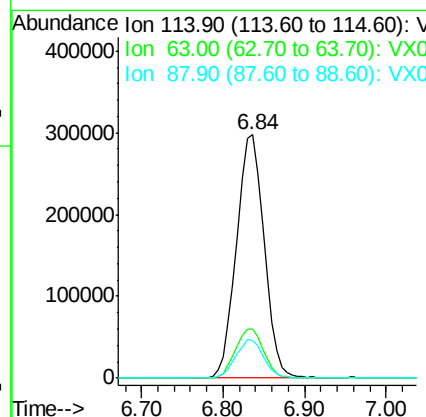
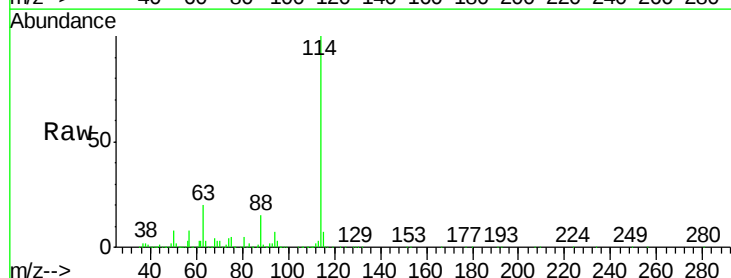
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FT-PZ461I-20200901RE

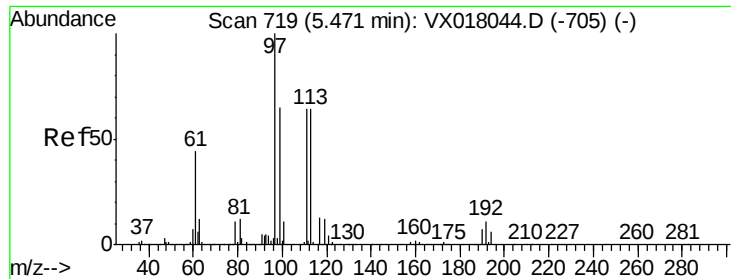
Tot Ion: 65 Resp: 312947  
 Ion Ratio Lower Upper  
 65 100  
 67 49.6 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 943  
 Delta R.T. -0.00 min  
 Lab File: VX018329.D  
 Acq: 09 Sep 2020 18:09

Tgt Ion: 114 Resp: 699272  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 42.6  
 88 15.1 0.0 31.8

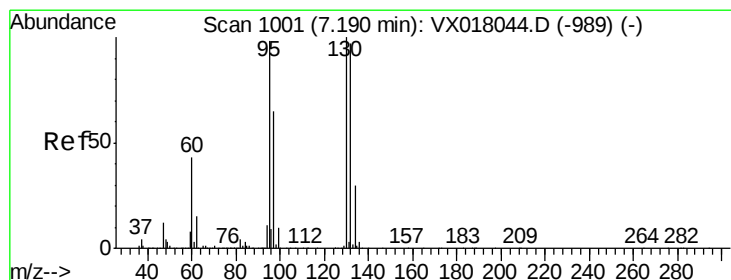
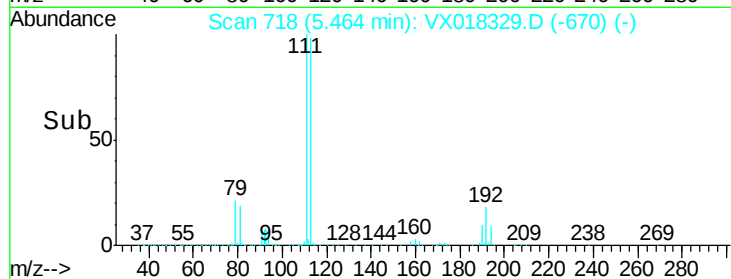
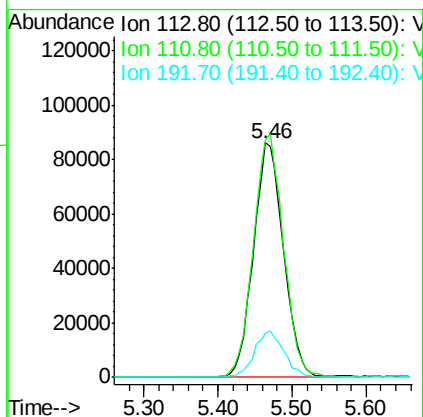
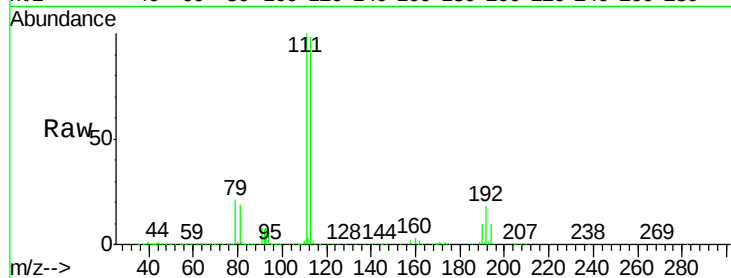




#35  
 Dibromofluoromethane  
 Concen: 51.204 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.01 min  
 Lab File: VX018329.D  
 Acq: 09 Sep 2020 18:09

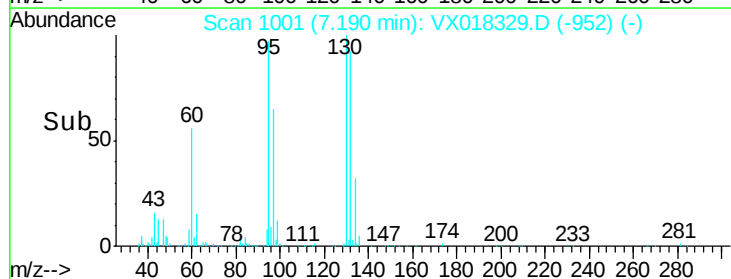
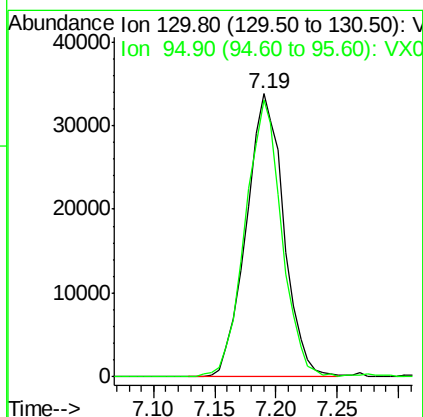
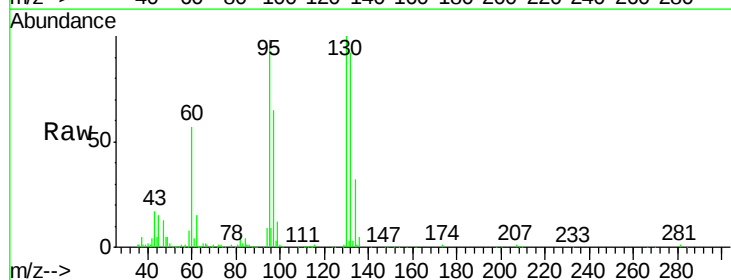
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FT-PZ461I-20200901RE

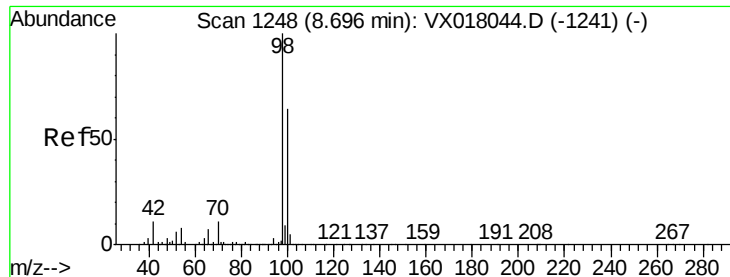
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.9 | 81.6  | 122.4 |
| 192     | 19.4  | 15.8  | 23.8  |



#44  
 Trichloroethene  
 Concen: 13.457 ug/l  
 RT: 7.19 min Scan# 1001  
 Delta R.T. -0.00 min  
 Lab File: VX018329.D  
 Acq: 09 Sep 2020 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 97.7  | 0.0   | 196.4 |





#50

Toluene-d8

Concen: 48.419 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018329.D

Acq: 09 Sep 2020 18:09

Instrument :

MSVOA\_X

ClientSampleId :

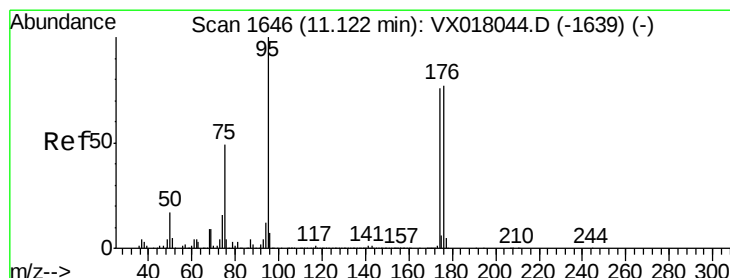
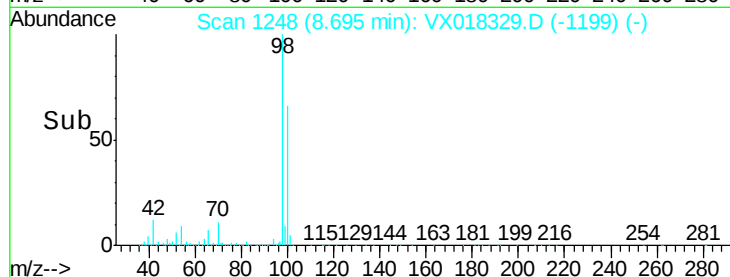
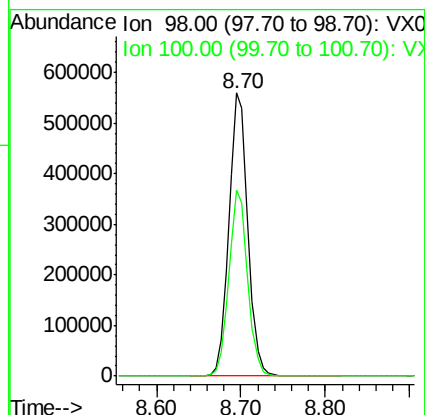
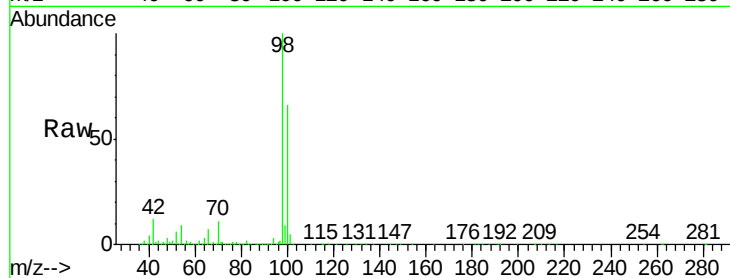
FT-PZ461I-20200901RE

Tot Ion: 98 Resp: 858846

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.119 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018329.D

Acq: 09 Sep 2020 18:09

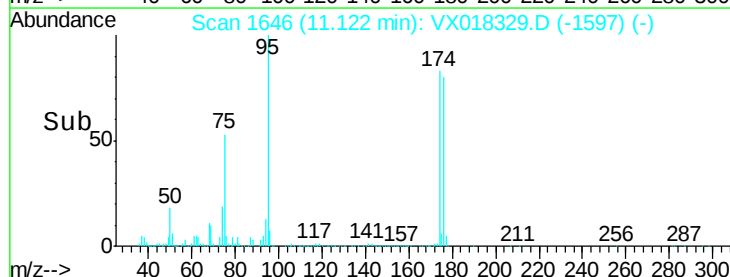
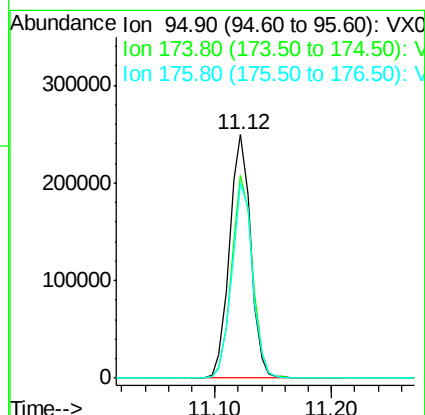
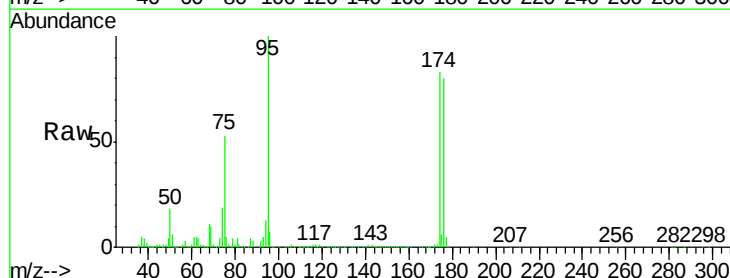
Tgt Ion: 95 Resp: 314873

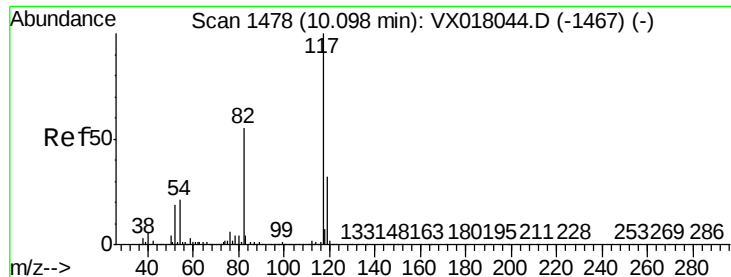
Ion Ratio Lower Upper

95 100

174 82.5 0.0 160.2

176 79.0 0.0 155.8

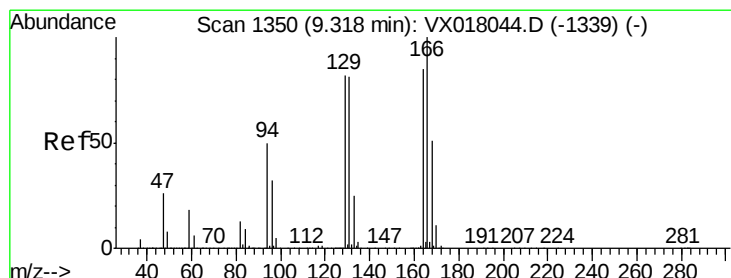
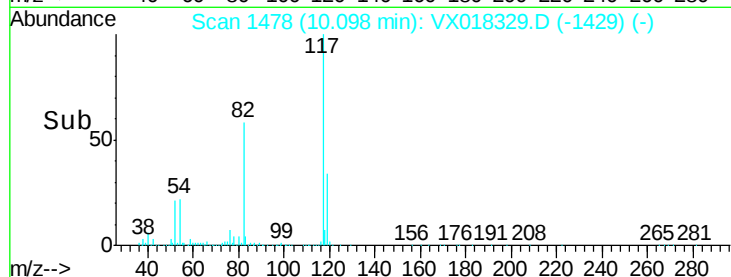
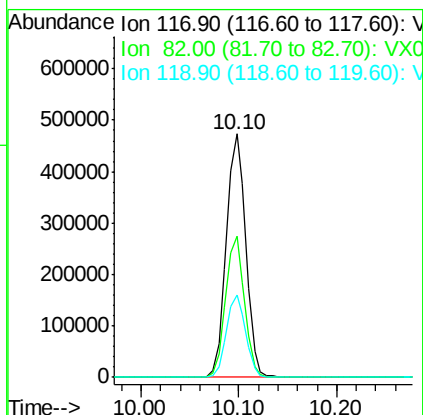
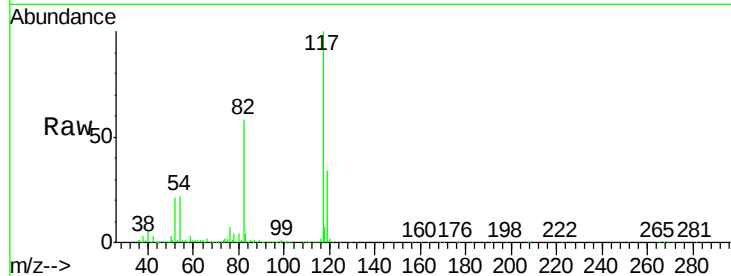




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX018329.D  
Acq: 09 Sep 2020 18:09

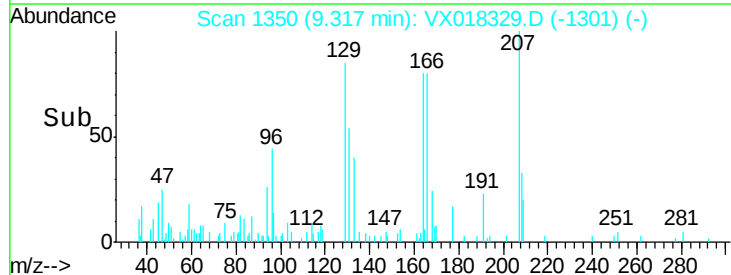
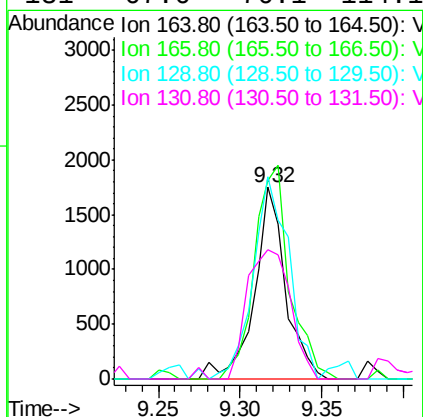
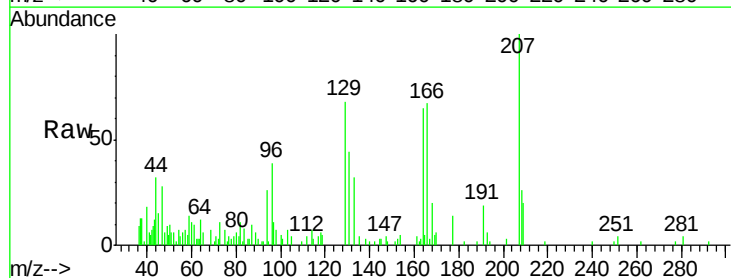
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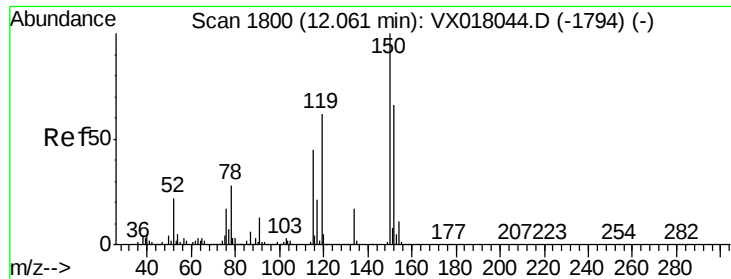
Tot Ion:117 Resp: 653064  
Ion Ratio Lower Upper  
117 100  
82 58.1 44.2 66.2  
119 33.8 25.7 38.5



#64  
Tetrachloroethene  
Concen: 0.485 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: VX018329.D  
Acq: 09 Sep 2020 18:09

Tgt Ion:164 Resp: 2329  
Ion Ratio Lower Upper  
164 100  
166 103.8 94.2 141.2  
129 105.7 76.9 115.3  
131 67.6 76.1 114.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018329.D

Acq: 09 Sep 2020 18:09

Instrument :

MSVOA\_X

ClientSampleId :

FT-PZ461I-20200901RE

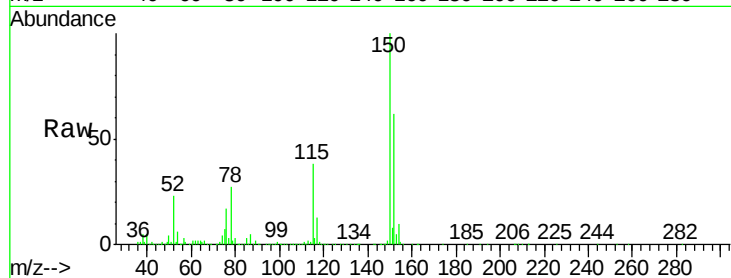
Tot Ion:152 Resp: 314444

Ion Ratio Lower Upper

152 100

115 58.5 41.5 124.5

150 158.7 0.0 343.8



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

