

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082020\  
 Data File : VX018035.D  
 Acq On : 20 Aug 2020 15:19  
 Operator : JC/SP  
 Sample : L3721-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 I-LGC-6

Quant Time: Aug 21 02:08:00 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  | 598907   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 936652   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 882160   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 452296   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 391395   | 44.58 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.16% |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 315506   | 45.23 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.46% |          |
| 50) Toluene-d8              | 8.70  | 98   | 1151922  | 46.72 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.44% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 434814   | 47.75 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.50% |          |

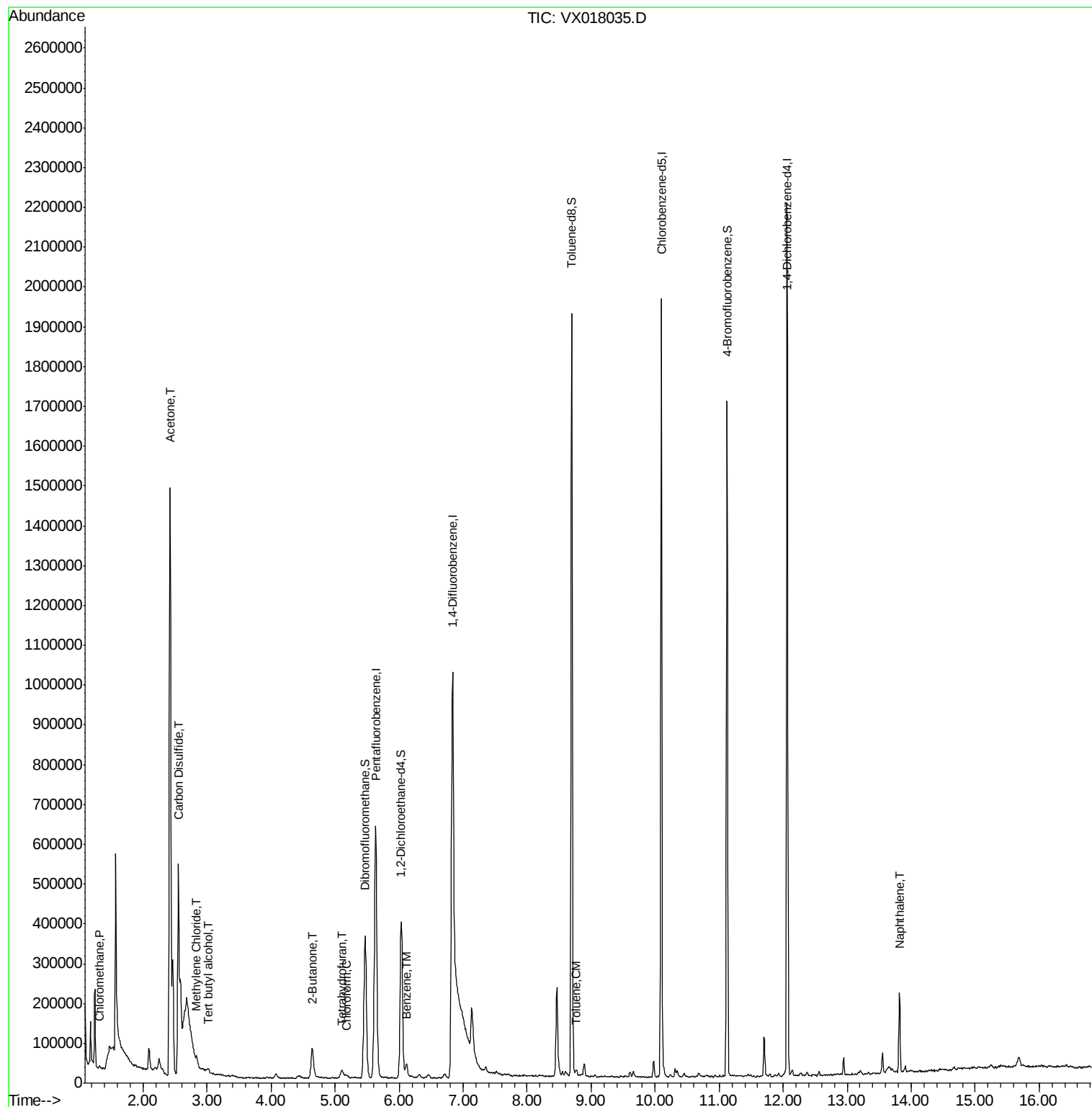
| Target Compounds       | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|------------------------|-------|------|----------|---------|--------|--------|
| 3) Chloromethane       | 1.32  | 50   | 3579     | 0.437   | ug/l   | 98     |
| 11) Tert butyl alcohol | 3.02  | 59   | 6661     | 3.930   | ug/l # | 87     |
| 16) Acetone            | 2.42  | 43   | 1565418  | 453.224 | ug/l   | 97     |
| 17) Carbon Disulfide   | 2.55  | 76   | 684038   | 52.226  | ug/l   | 99     |
| 20) Methylene Chloride | 2.84  | 84   | 8141     | 1.279   | ug/l # | 86     |
| 25) 2-Butanone         | 4.64  | 43   | 136742   | 26.151  | ug/l   | 93     |
| 29) Tetrahydrofuran    | 5.10  | 42   | 14451    | 4.450   | ug/l # | 79     |
| 30) Chloroform         | 5.18  | 83   | 8790     | 0.719   | ug/l   | 99     |
| 40) Benzene            | 6.12  | 78   | 42061    | 1.781   | ug/l   | 92     |
| 52) Toluene            | 8.76  | 92   | 4397     | 0.285   | ug/l   | 93     |
| 95) Naphthalene        | 13.82 | 128  | 123423   | 4.380   | ug/l   | 100    |

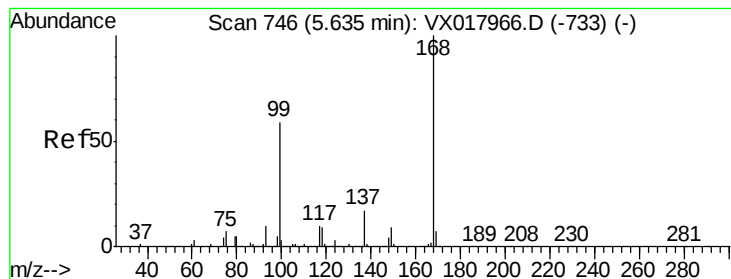
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082020\  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
I-LGC-6

Quant Time: Aug 21 02:08:00 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: VX018035.D

Acq: 20 Aug 2020 15:19

Instrument :

MSVOA\_X

ClientSampleId :

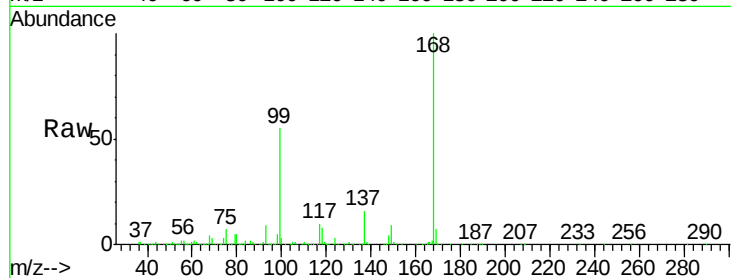
I-LGC-6

Tot Ion:168 Resp: 598907

Ion Ratio Lower Upper

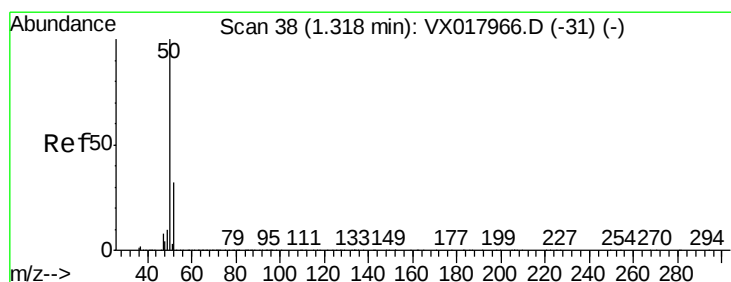
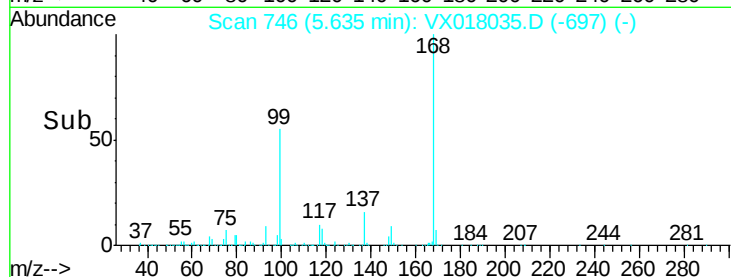
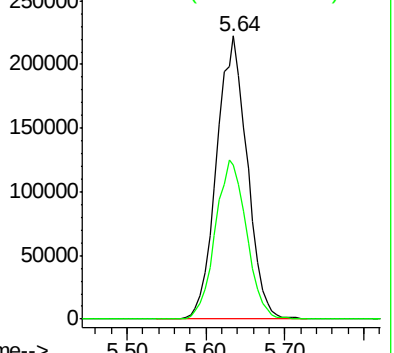
168 100

99 54.6 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.437 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.00 min

Lab File: VX018035.D

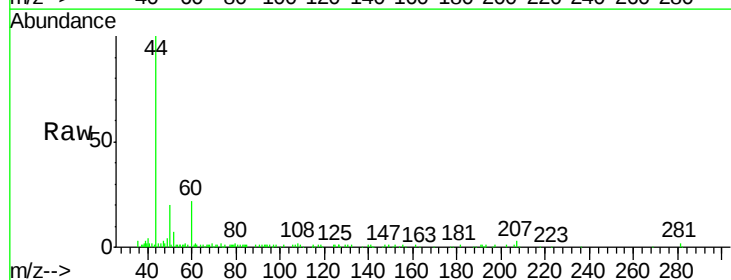
Acq: 20 Aug 2020 15:19

Tgt Ion: 50 Resp: 3579

Ion Ratio Lower Upper

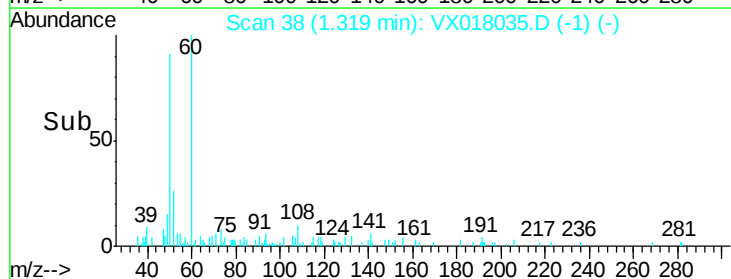
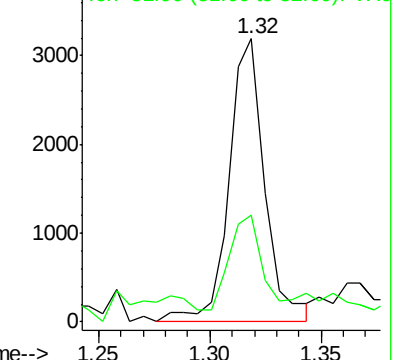
50 100

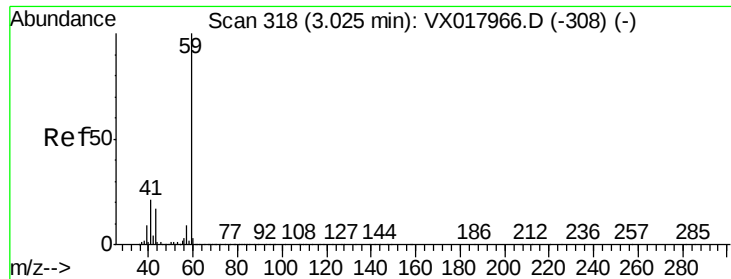
52 30.8 25.4 38.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



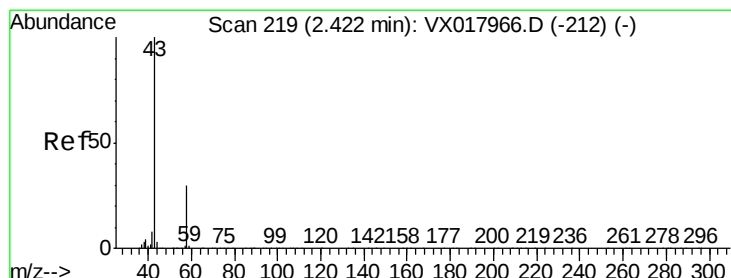
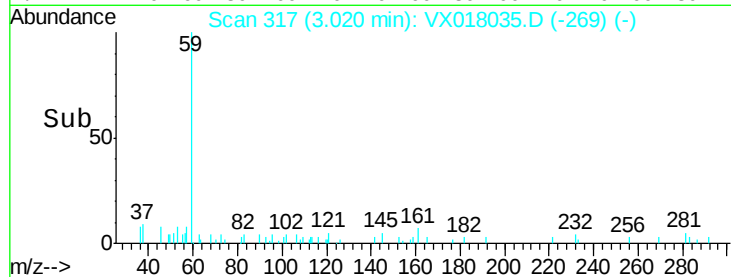
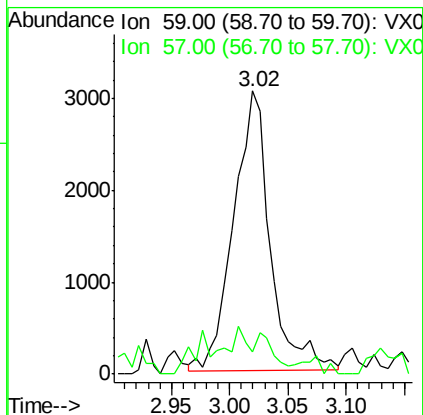
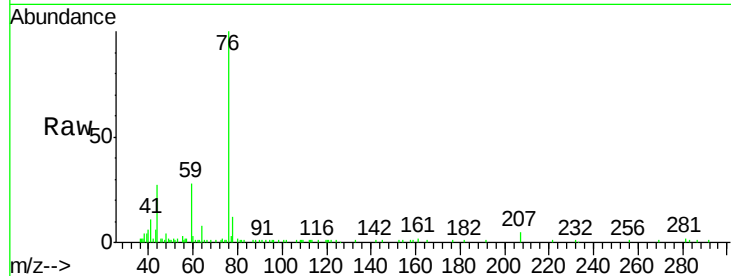


#11

Tert butyl alcohol  
 Concen: 3.930 ug/l  
 RT: 3.02 min Scan# 317  
 Delta R.T. -0.01 min  
 Lab File: VX018035.D  
 Acq: 20 Aug 2020 15:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 I-LGC-6

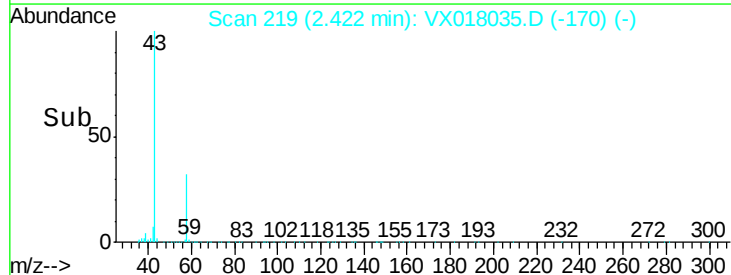
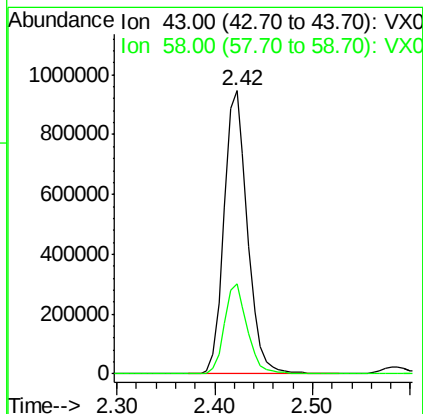
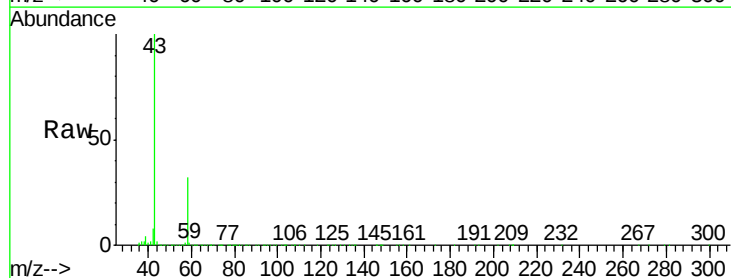
Tot Ion: 59 Resp: 6661  
 Ion Ratio Lower Upper  
 59 100  
 57 5.8 8.6 13.0#

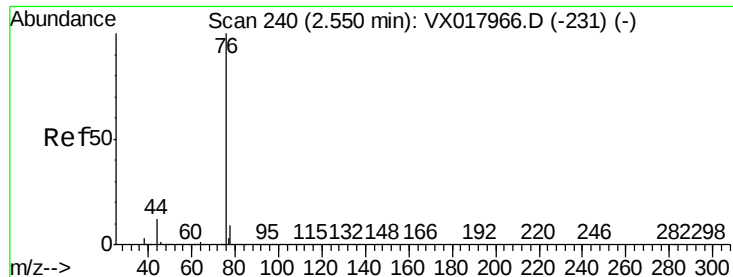


#16

Acetone  
 Concen: 453.224 ug/l  
 RT: 2.42 min Scan# 219  
 Delta R.T. 0.00 min  
 Lab File: VX018035.D  
 Acq: 20 Aug 2020 15:19

Tgt Ion: 43 Resp: 1565418  
 Ion Ratio Lower Upper  
 43 100  
 58 31.6 23.8 35.8





#17

Carbon Disulfide

Concen: 52.226 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018035.D

Acq: 20 Aug 2020 15:19

Instrument :

MSVOA\_X

ClientSampleId :

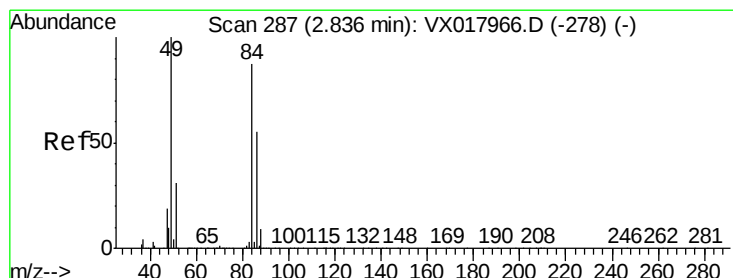
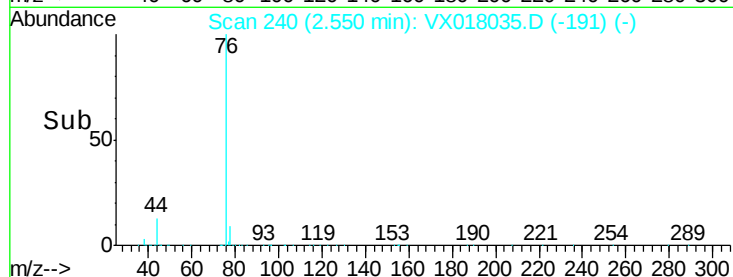
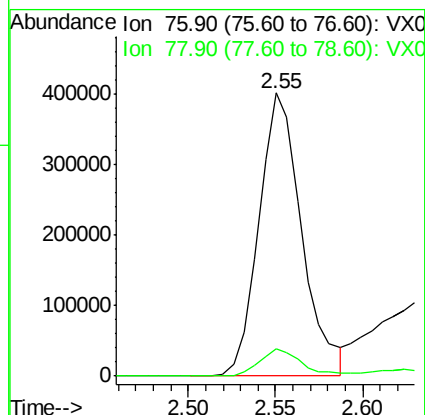
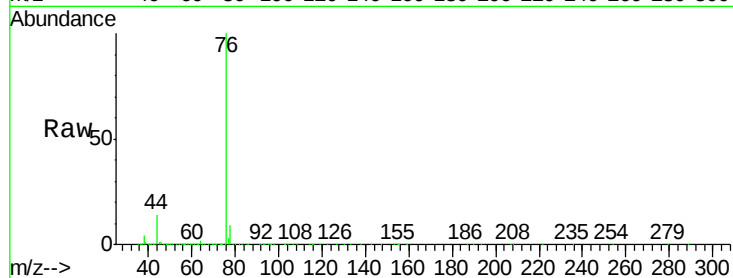
I-LGC-6

Tot Ion: 76 Resp: 684038

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



#20

Methylene Chloride

Concen: 1.279 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX018035.D

Acq: 20 Aug 2020 15:19

Tgt Ion: 84 Resp: 8141

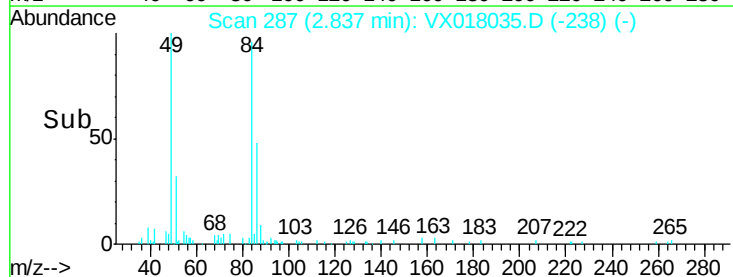
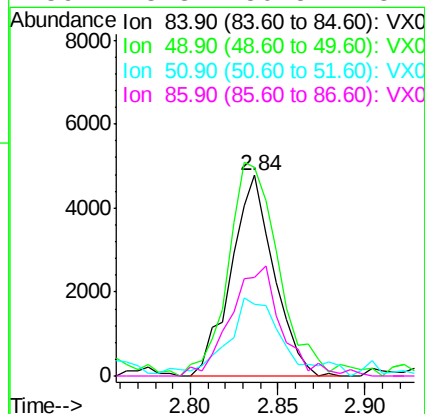
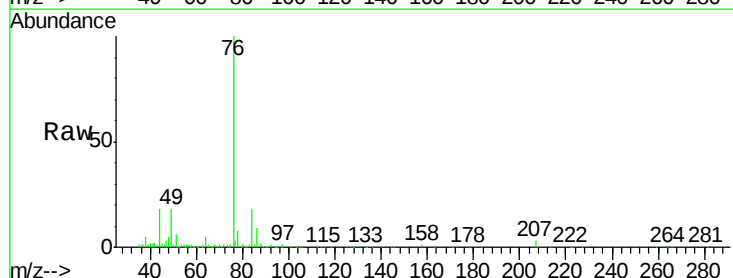
Ion Ratio Lower Upper

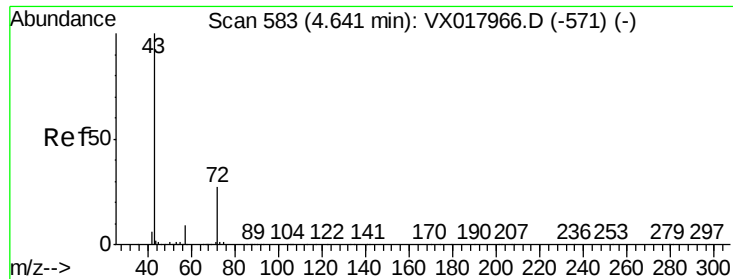
84 100

49 98.3 91.8 137.6

51 33.3 27.8 41.8

86 48.3 50.5 75.7#

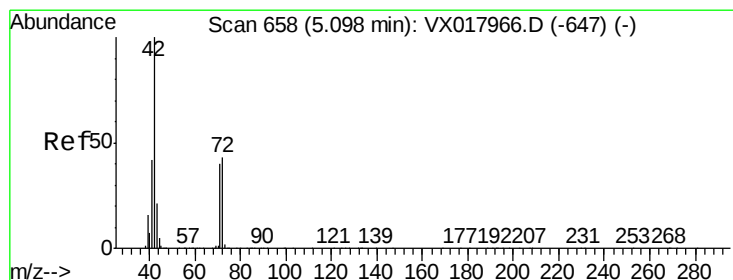
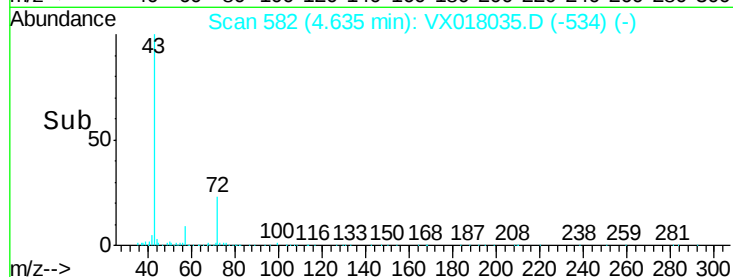
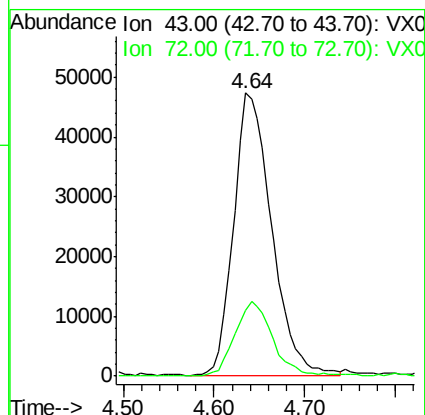
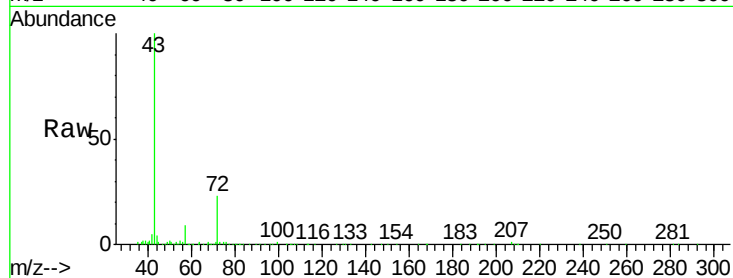




#25  
2-Butanone  
Concen: 26.151 ug/l  
RT: 4.64 min Scan# 582  
Delta R.T. -0.01 min  
Lab File: VX018035.D  
Acq: 20 Aug 2020 15:19

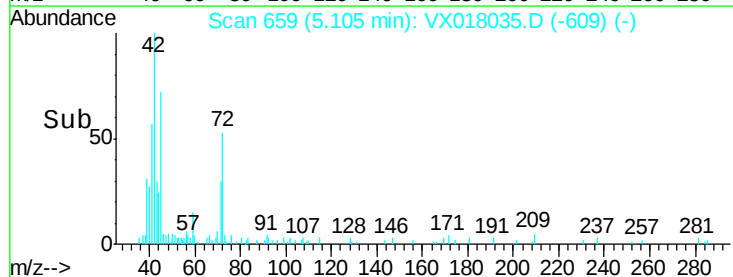
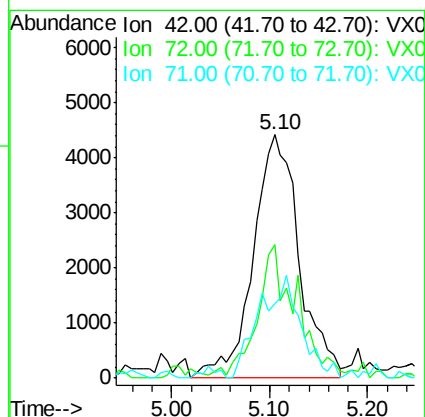
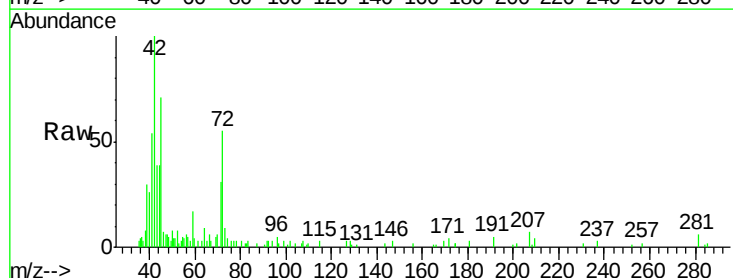
Instrument :  
MSVOA\_X  
ClientSampled :  
I-LGC-6

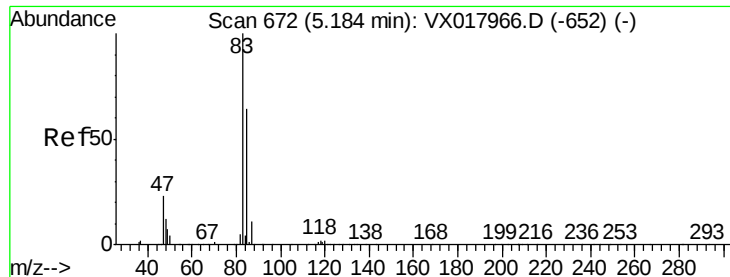
Tot Ion: 43 Resp: 136742  
Ion Ratio Lower Upper  
43 100  
72 23.3 21.4 32.2



#29  
Tetrahydrofuran  
Concen: 4.450 ug/l  
RT: 5.10 min Scan# 659  
Delta R.T. 0.01 min  
Lab File: VX018035.D  
Acq: 20 Aug 2020 15:19

Tgt Ion: 42 Resp: 14451  
Ion Ratio Lower Upper  
42 100  
72 44.2 35.9 53.9  
71 14.2 33.0 49.4#





#30

Chloroform

Concen: 0.719 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.01 min

Lab File: VX018035.D

Acq: 20 Aug 2020 15:19

Instrument :

MSVOA\_X

ClientSampled :

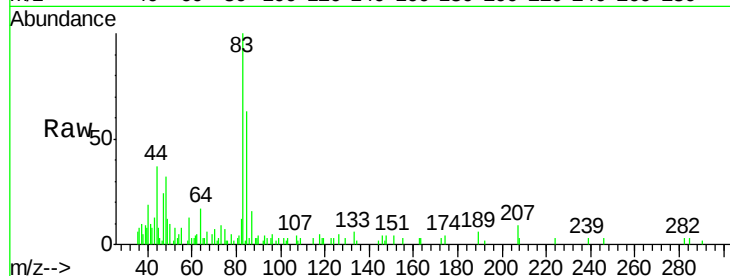
I-LGC-6

Tot Ion: 83 Resp: 8790

Ion Ratio Lower Upper

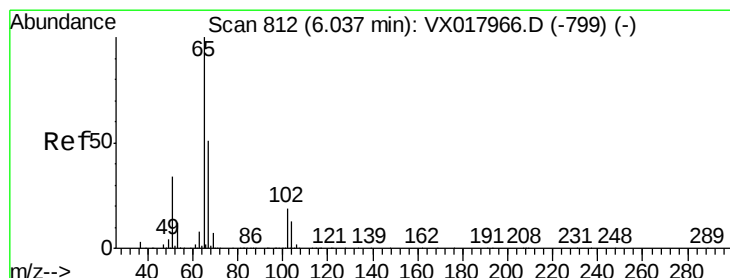
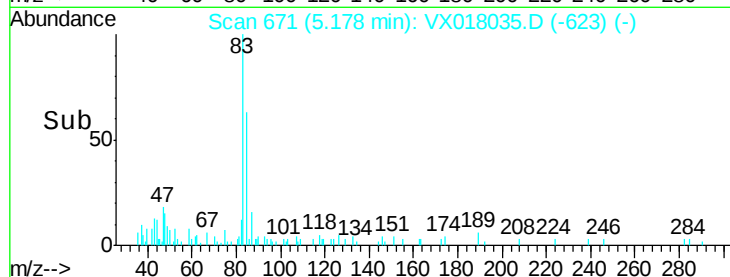
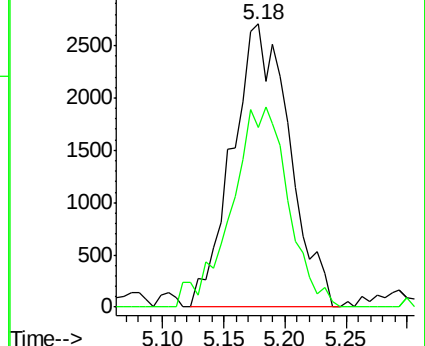
83 100

85 63.5 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.580 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX018035.D

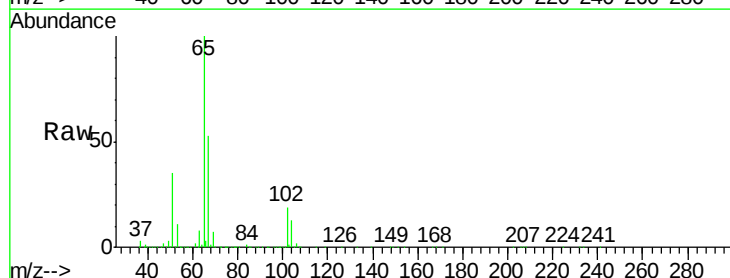
Acq: 20 Aug 2020 15:19

Tgt Ion: 65 Resp: 391395

Ion Ratio Lower Upper

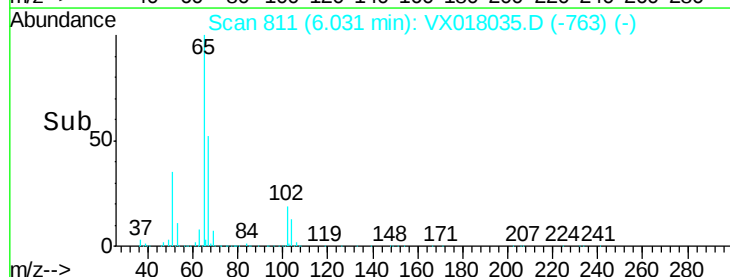
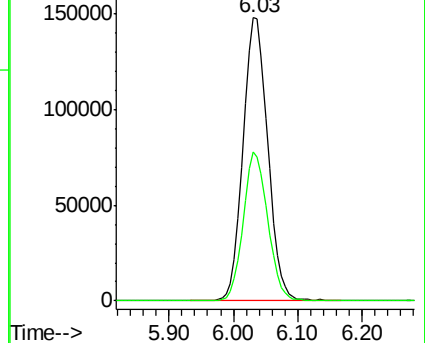
65 100

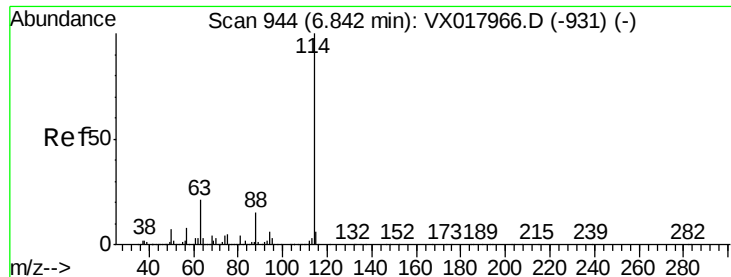
67 51.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.01 min

Lab File: VX018035.D

Acq: 20 Aug 2020 15:19

Instrument :

MSVOA\_X

ClientSampled :

I-LGC-6

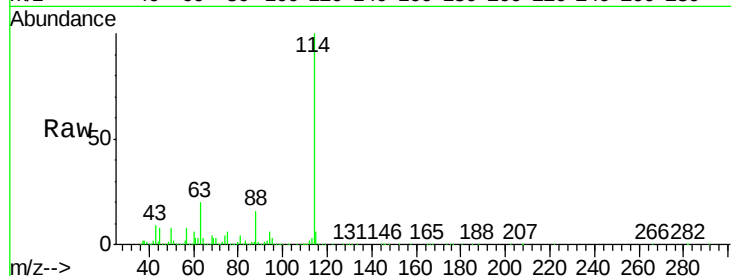
Tot Ion:114 Resp: 936652

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

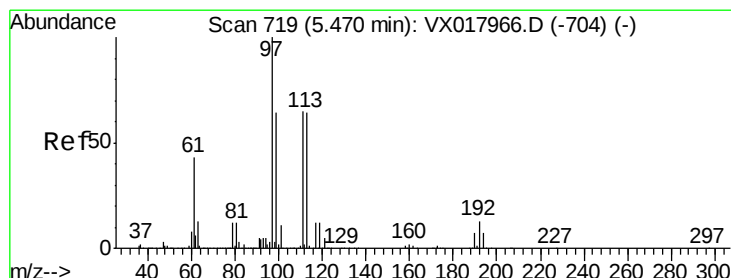
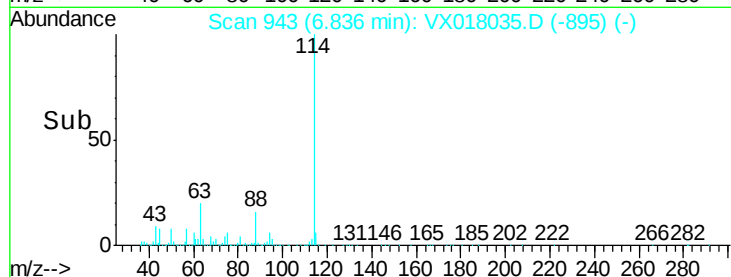
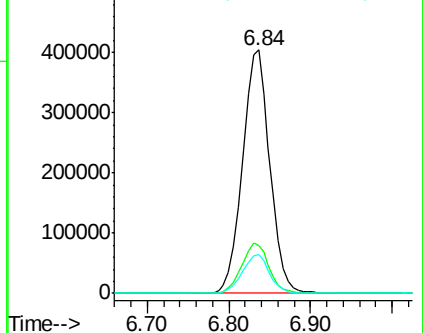
88 15.7 0.0 30.2



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: 45.233 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018035.D

Acq: 20 Aug 2020 15:19

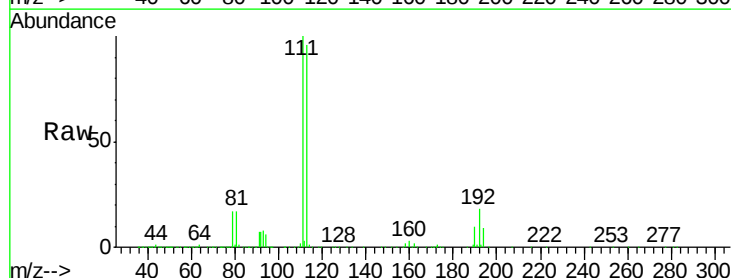
Tgt Ion:113 Resp: 315506

Ion Ratio Lower Upper

113 100

111 102.6 83.5 125.3

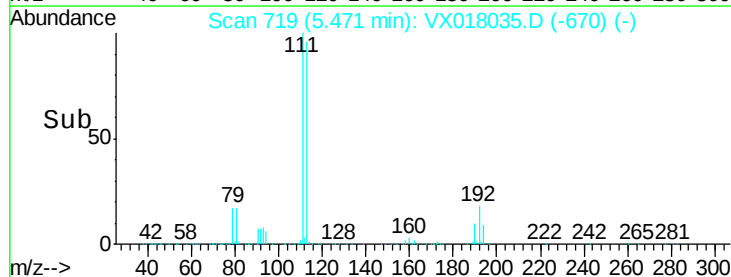
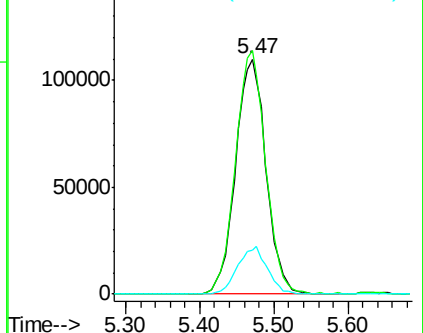
192 19.8 16.2 24.4

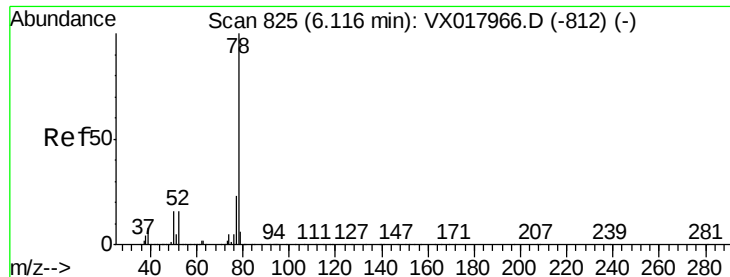


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.781 ug/l

RT: 6.12 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX018035.D

Acq: 20 Aug 2020 15:19

Instrument :

MSVOA\_X

ClientSampleId :

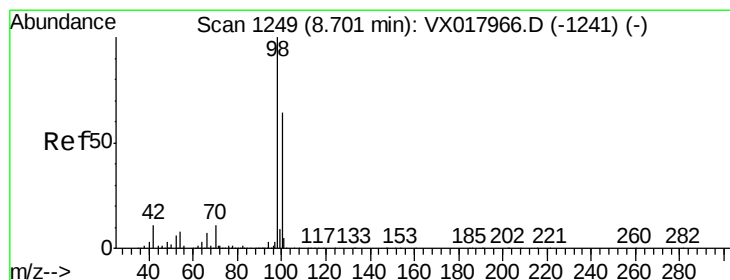
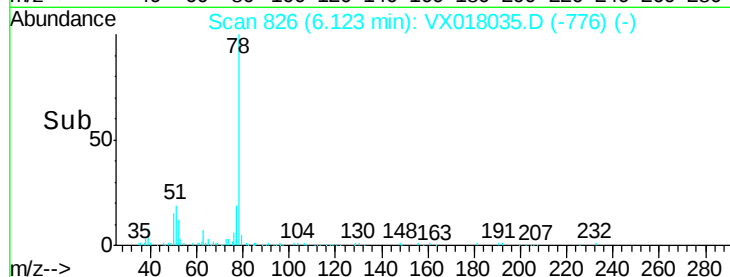
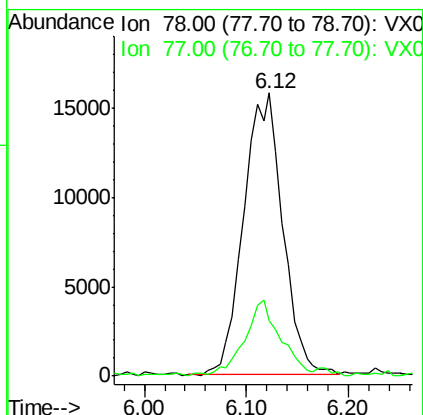
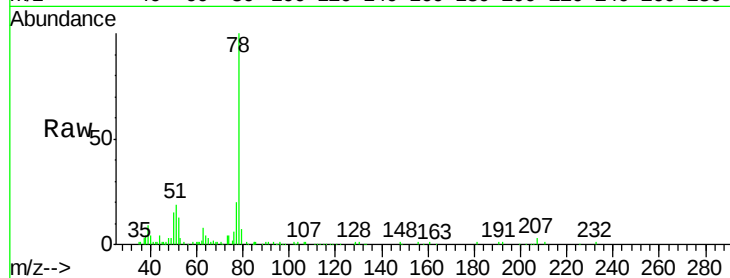
I-LGC-6

Tot Ion: 78 Resp: 42061

Ion Ratio Lower Upper

78 100

77 19.7 18.8 28.2



#50

Toluene-d8

Concen: 46.721 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018035.D

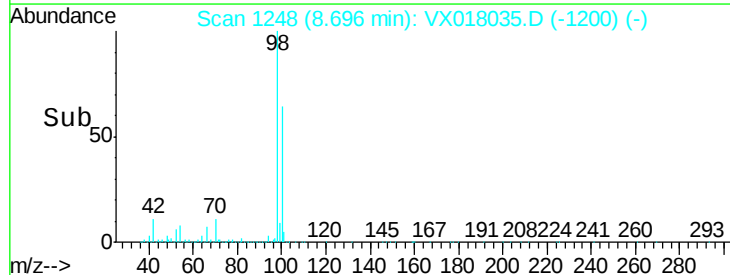
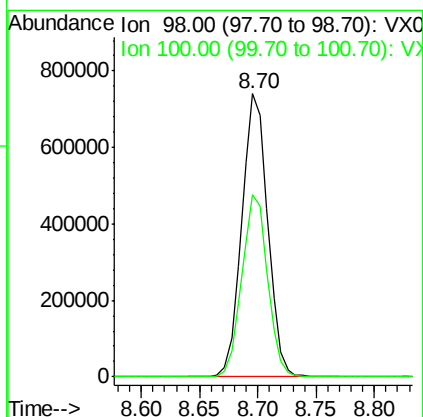
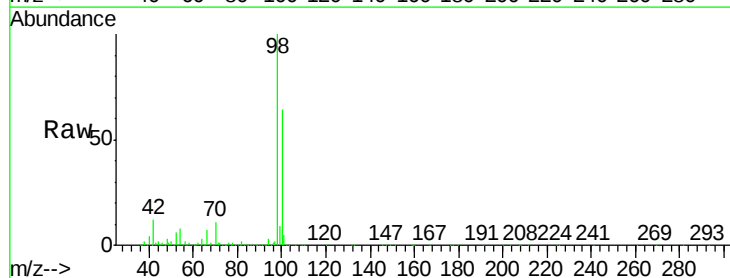
Acq: 20 Aug 2020 15:19

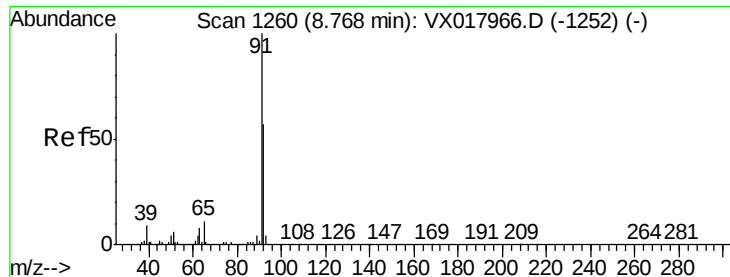
Tgt Ion: 98 Resp: 1151922

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.2





#52

Toluene

Concen: 0.285 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018035.D

Acq: 20 Aug 2020 15:19

Instrument :

MSVOA\_X

ClientSampled :

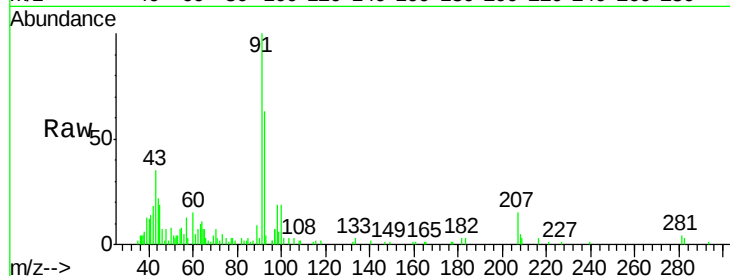
I-LGC-6

Tot Ion: 92 Resp: 4397

Ion Ratio Lower Upper

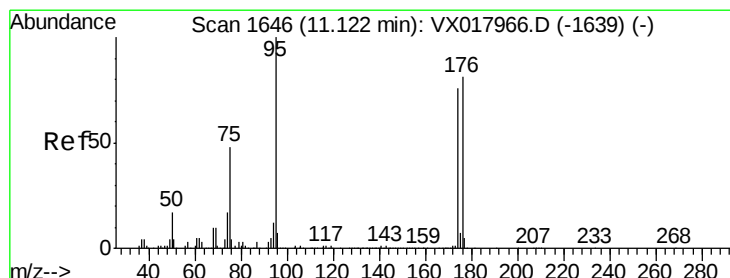
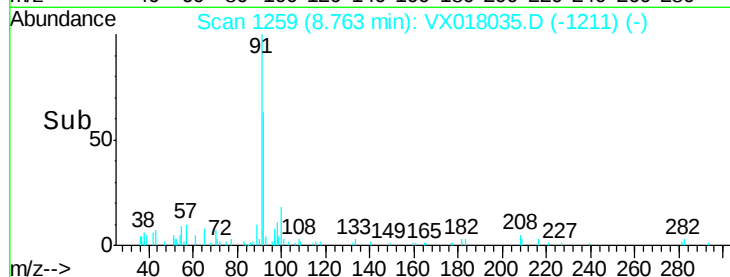
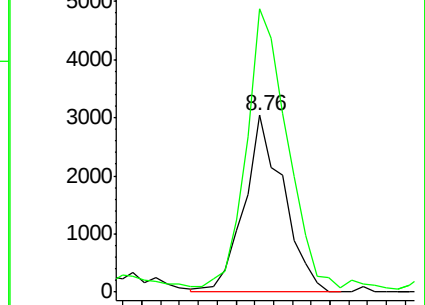
92 100

91 163.7 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.749 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018035.D

Acq: 20 Aug 2020 15:19

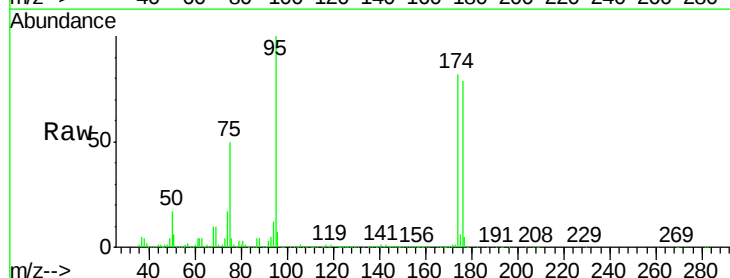
Tgt Ion: 95 Resp: 434814

Ion Ratio Lower Upper

95 100

174 79.5 0.0 166.0

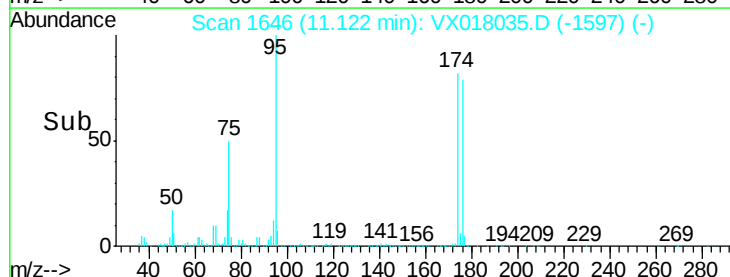
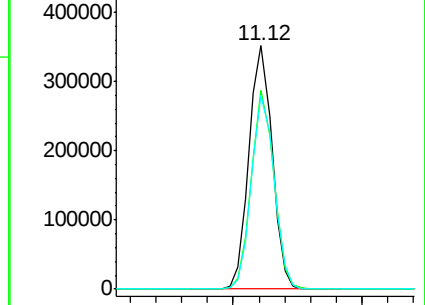
176 78.4 0.0 161.0

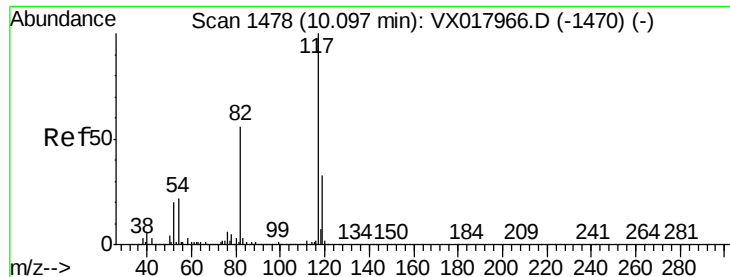


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

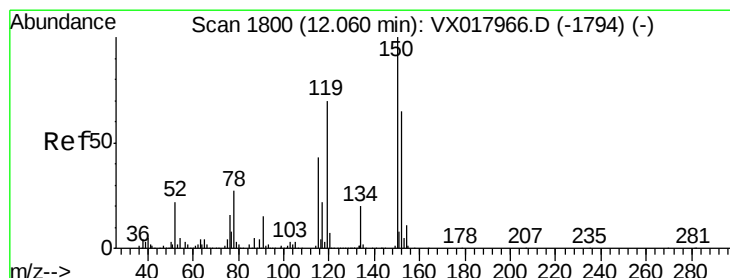
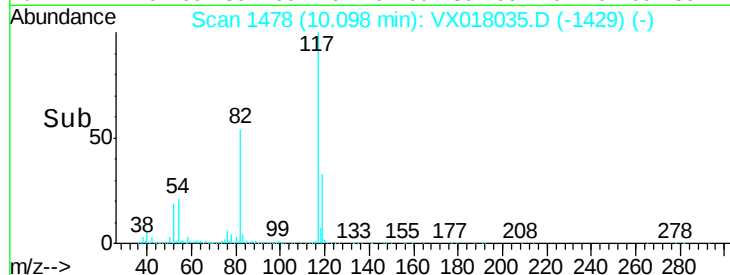
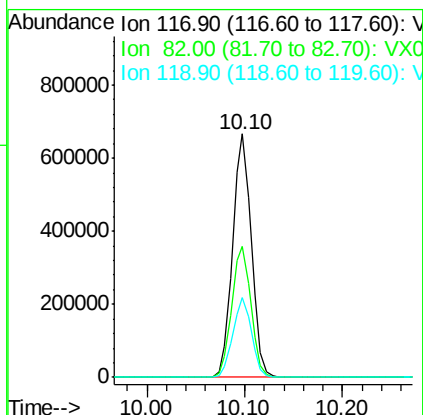
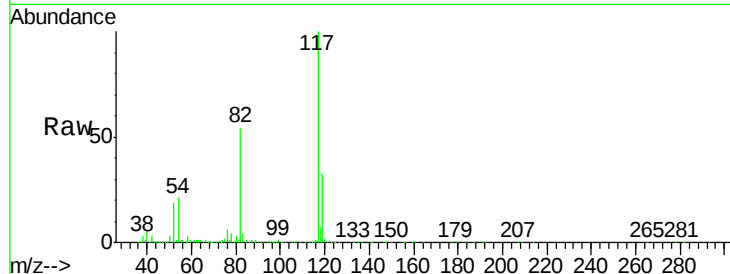




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX018035.D  
Acq: 20 Aug 2020 15:19

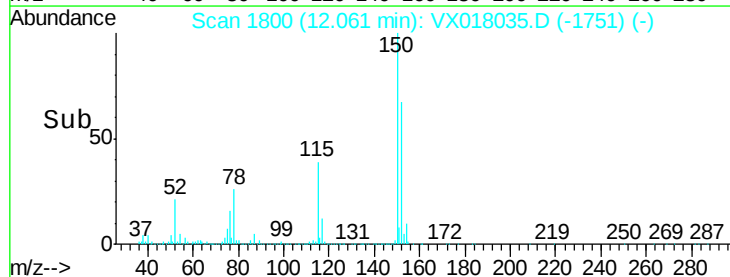
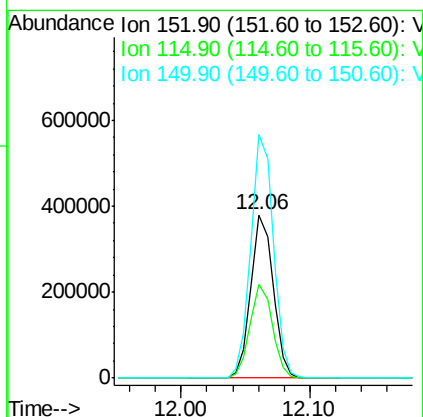
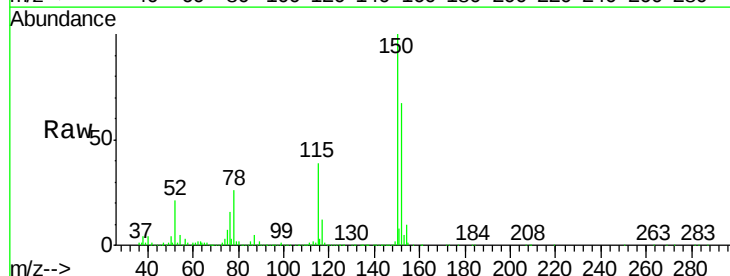
Instrument :  
MSVOA\_X  
ClientSampleId :  
I-LGC-6

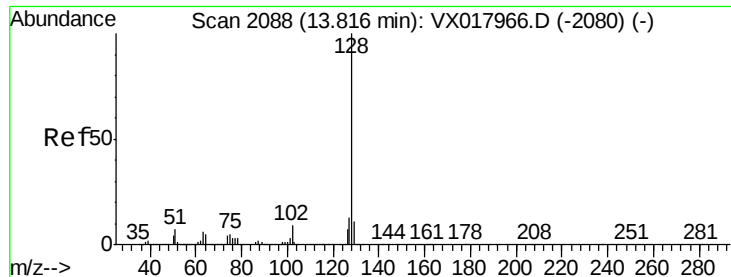
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.9  | 44.6  | 66.8  |
| 119     | 32.7  | 26.2  | 39.4  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VX018035.D  
Acq: 20 Aug 2020 15:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.8  | 40.6  | 121.7 |
| 150     | 150.9 | 0.0   | 346.4 |





#95

Naphthalene

Concen: 4.380 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018035.D

Acq: 20 Aug 2020 15:19

Instrument :

MSVOA\_X

ClientSampleId :

I-LGC-6

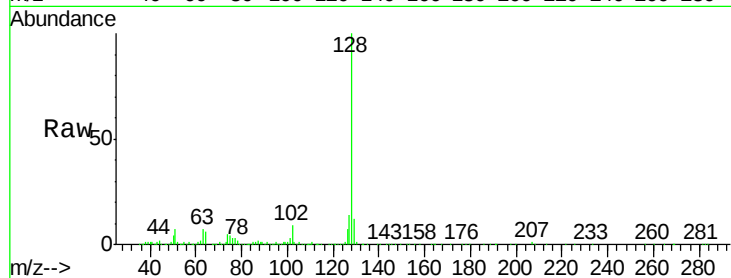
Tot Ion:128 Resp: 123423

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

