

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\  
 Data File : VX003202.D  
 Acq On : 06 Jul 2018 05:27  
 Operator : JC/MD  
 Sample : J3844-10  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 06 07:35:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 25 14:38:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 302828   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 397178   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 365391   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 200862   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 186740   | 44.61 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.22%  |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 163422   | 51.96 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.92% |      |
| 50) Toluene-d8            | 8.72   | 98  | 551980   | 48.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.12%  |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 191215   | 43.17 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 86.34%  |      |

## Target Compounds

|                                |       |     |         |           |        | Qvalue |
|--------------------------------|-------|-----|---------|-----------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.20  | 85  | 137     | Below Cal |        | 77     |
| 3) Chloromethane               | 1.32  | 50  | 37336   | 12.40     | ug/l   | 98     |
| 4) Vinyl Chloride              | 1.40  | 62  | 6122    | 1.79      | ug/l # | 88     |
| 5) Bromomethane                | 1.64  | 94  | 43617   | 25.98     | ug/l   | 99     |
| 6) Chloroethane                | 1.73  | 64  | 907     | Below Cal | #      | 84     |
| 10) Methyl Iodide              | 2.51  | 142 | 1845342 | 482.16    | ug/l   | 97     |
| 11) Tert butyl alcohol         | 3.08  | 59  | 13012   | 15.61     | ug/l   | 95     |
| 13) Acrolein                   | 2.29  | 56  | 865     | 6.07      | ug/l   | 94     |
| 14) Allyl chloride             | 2.71  | 41  | 23010   | 3.91      | ug/l # | 42     |
| 15) Acrylonitrile              | 3.14  | 53  | 854     | 0.48      | ug/l # | 82     |
| 16) Acetone                    | 2.45  | 43  | 1071121 | 617.93    | ug/l   | 97     |
| 17) Carbon Disulfide           | 2.57  | 76  | 40962   | 5.15      | ug/l   | 99     |
| 18) Methyl Acetate             | 2.78  | 43  | 7737    | 1.60      | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene   | 3.17  | 96  | 2894    | 0.89      | ug/l   | 90     |
| 24) 1,1-Dichloroethane         | 3.70  | 63  | 28394   | 4.64      | ug/l   | 97     |
| 25) 2-Butanone                 | 4.71  | 43  | 167048  | 64.93     | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene     | 4.60  | 96  | 19308   | 5.29      | ug/l   | 97     |
| 29) Tetrahydrofuran            | 5.19  | 42  | 839     | 0.51      | ug/l # | 74     |
| 36) 1,1-Dichloropropene        | 5.67  | 75  | 19108   | 4.39      | ug/l # | 51     |
| 37) Ethyl Acetate              | 4.71  | 43  | 167048  | 35.62     | ug/l # | 71     |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 26145   | 5.47      | ug/l # | 17     |
| 40) Benzene                    | 6.15  | 78  | 37868   | 2.99      | ug/l   | 98     |
| 42) 1,2-Dichloroethane         | 6.21  | 62  | 1649    | 0.32      | ug/l   | 91     |
| 43) Isopropyl Acetate          | 6.48  | 43  | 6923    | 0.88      | ug/l # | 66     |
| 48) Methyl methacrylate        | 7.74  | 41  | 1520    | 0.38      | ug/l # | 35     |
| 49) 1,4-Dioxane                | 7.72  | 88  | 43      | 0.55      | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43  | 1464    | 0.30      | ug/l # | 84     |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97  | 1005    | 0.30      | ug/l   | 98     |
| 59) 2-Hexanone                 | 9.51  | 43  | 2374    | 0.63      | ug/l   | 93     |
| 65) Chlorobenzene              | 10.14 | 112 | 10687   | 1.15      | ug/l   | 96     |
| 74) N-amyl acetate             | 6.48  | 43  | 6923    | 1.05      | ug/l # | 62     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75  | 96314   | 26.47     | ug/l # | 33     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75  | 96314   | 75.00     | ug/l # | 7      |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105 | 4658    | 0.40      | ug/l # | 34     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\  
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Acq On : 06 Jul 2018 05:27  
Operator : JC/MD  
Sample : J3844-10  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 42 Sample Multiplier: 1

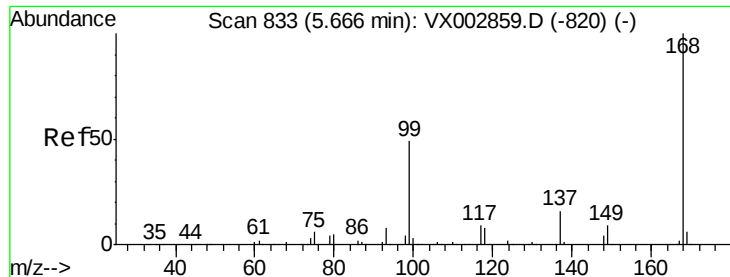
Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jul 06 07:35:38 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 25 14:38:05 2018  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|------|-------|----------|
| 91) 1,2-Dichlorobenzene | 12.40 | 146  | 9824     | 1.38 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

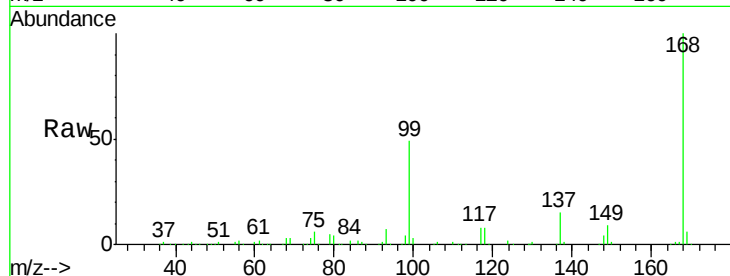
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:168 Resp: 302828

Ion Ratio Lower Upper

168 100

99 48.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

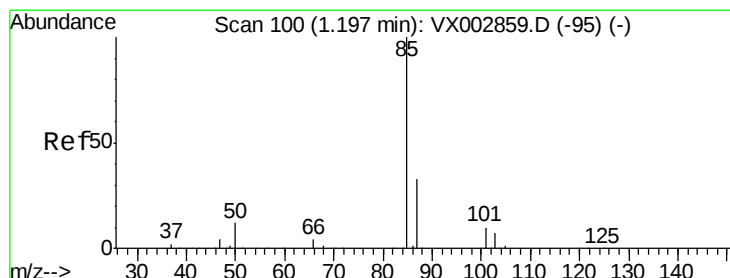
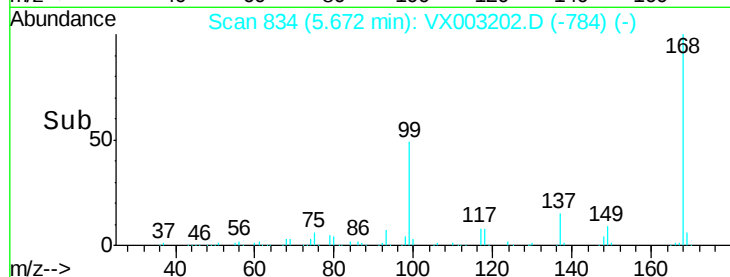
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003202.D

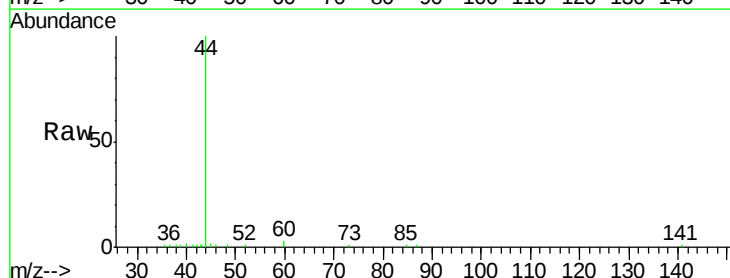
Acq: 06 Jul 2018 05:27

Tgt Ion: 85 Resp: 137

Ion Ratio Lower Upper

85 100

87 44.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

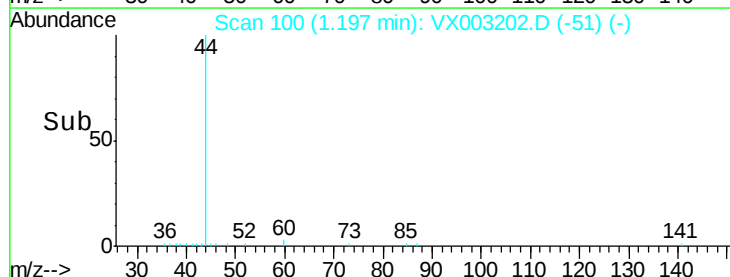
150

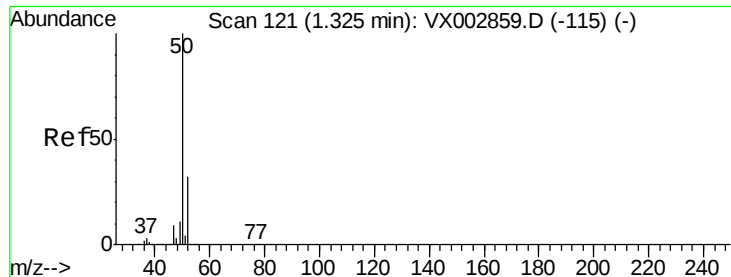
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: 12.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

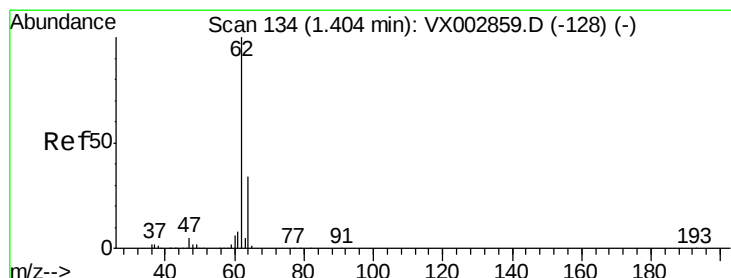
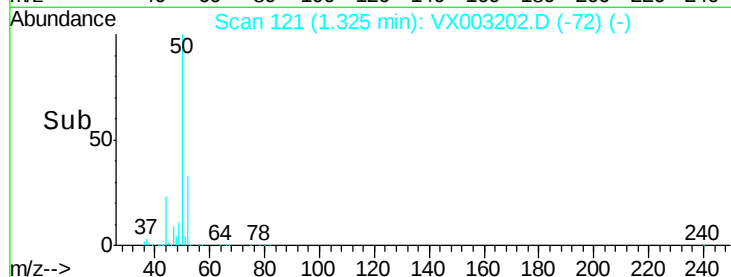
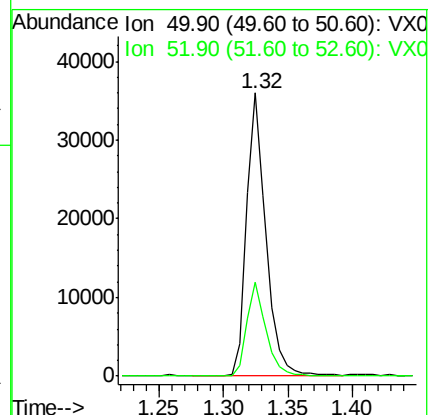
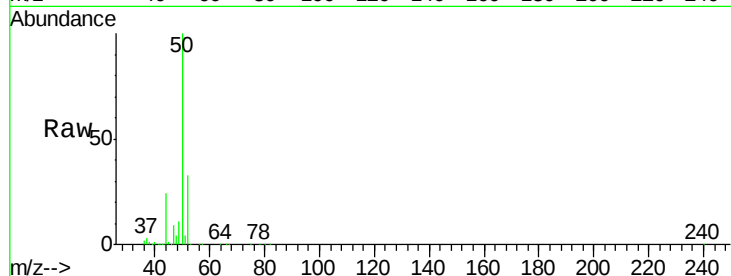
ClientSampleId :

Tot Ion: 50 Resp: 37336

Ion Ratio Lower Upper

50 100

52 33.3 25.7 38.5



#4

Vinyl Chloride

Concen: 1.79 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003202.D

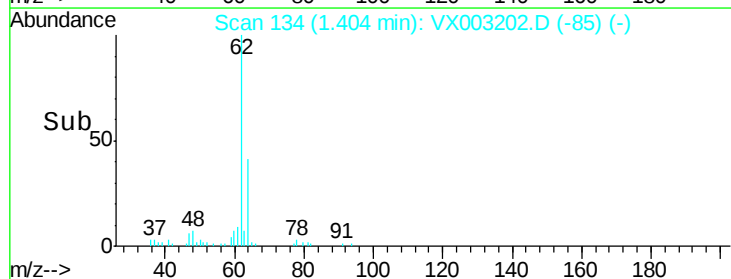
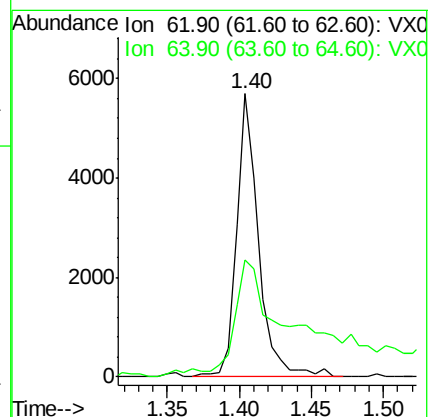
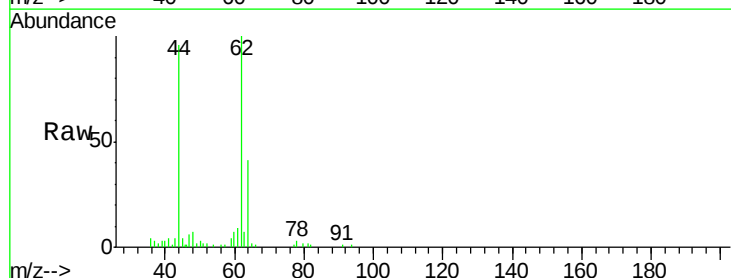
Acq: 06 Jul 2018 05:27

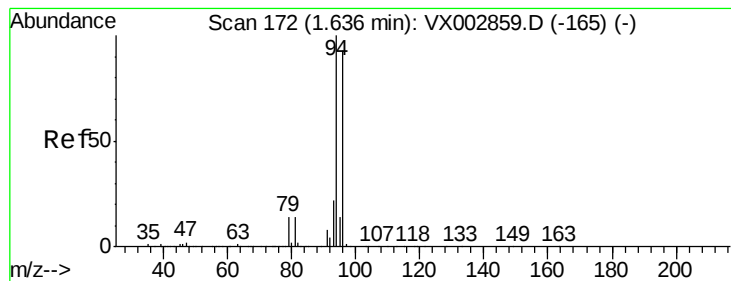
Tgt Ion: 62 Resp: 6122

Ion Ratio Lower Upper

62 100

64 38.4 25.4 38.2#





#5

Bromomethane

Concen: 25.98 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

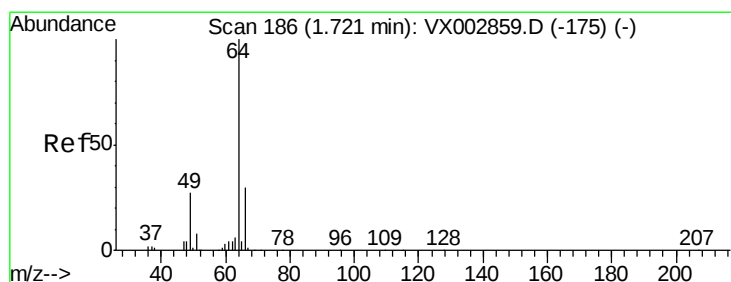
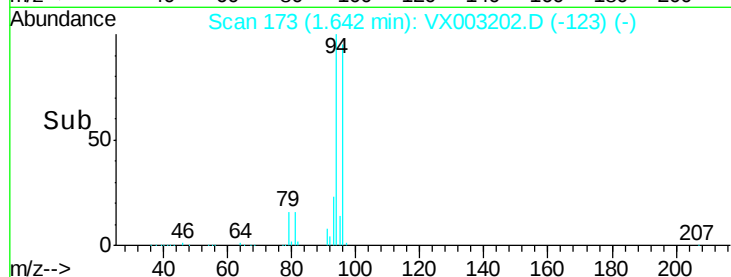
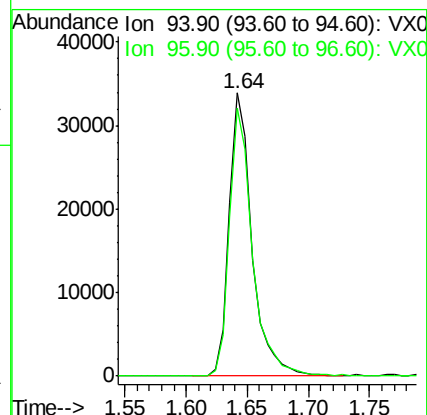
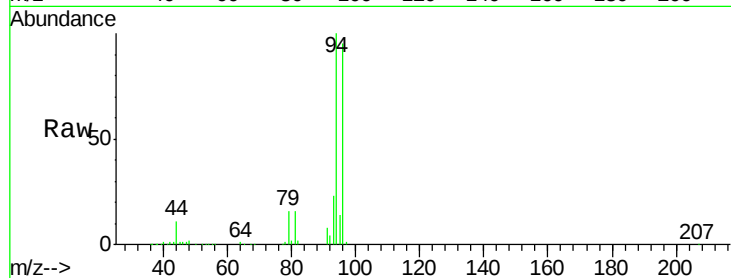
ClientSampleId :

Tot Ion: 94 Resp: 43617

Ion Ratio Lower Upper

94 100

96 94.7 74.9 112.3



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003202.D

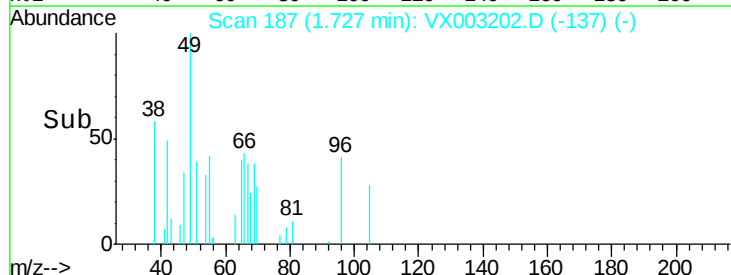
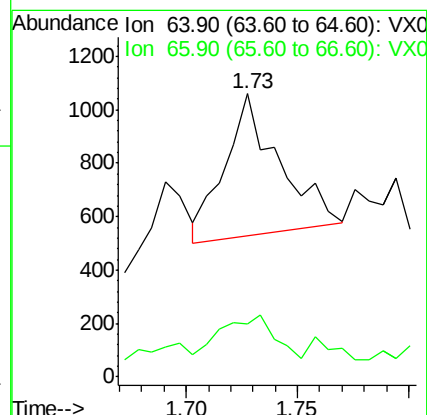
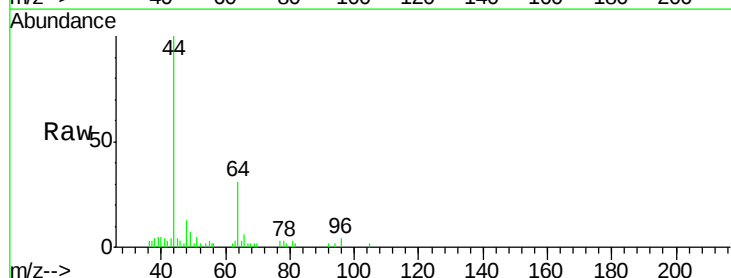
Acq: 06 Jul 2018 05:27

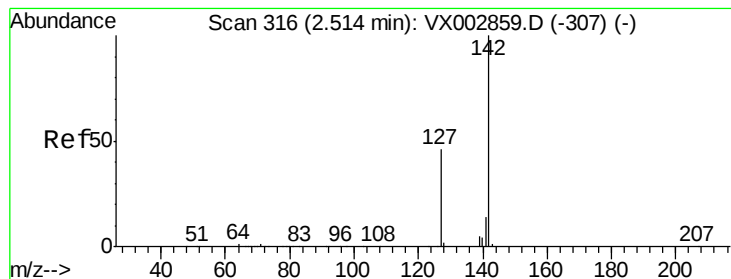
Tgt Ion: 64 Resp: 907

Ion Ratio Lower Upper

64 100

66 23.1 25.5 38.3#





#10

Methvl Iodide

Concen: 482.16 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :  
MSVOA\_X  
ClientSampleId :

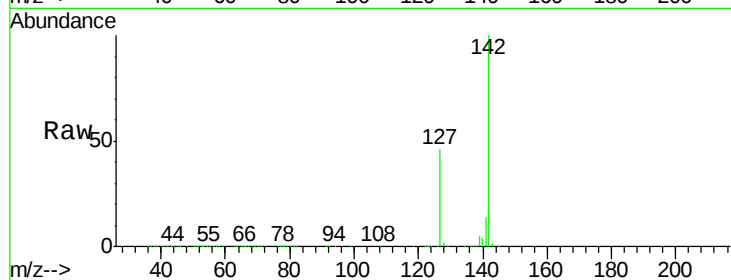
Tot Ion:142 Resp: 1845342

Ion Ratio Lower Upper

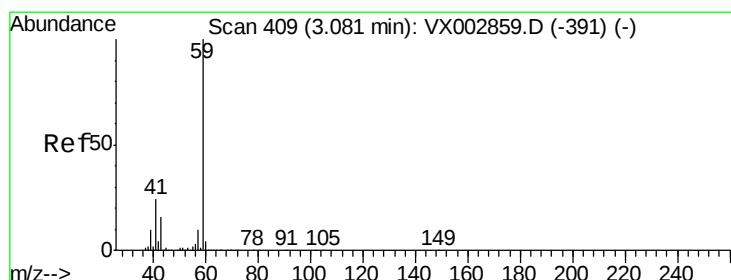
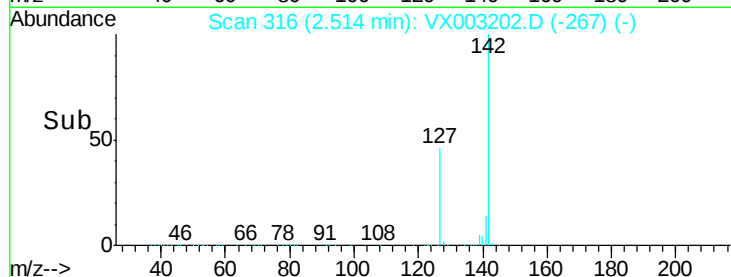
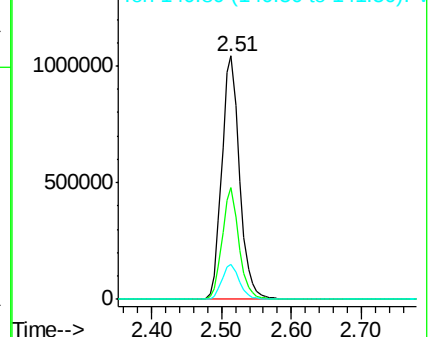
142 100

127 43.4 36.6 55.0

141 14.1 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 15.61 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX003202.D

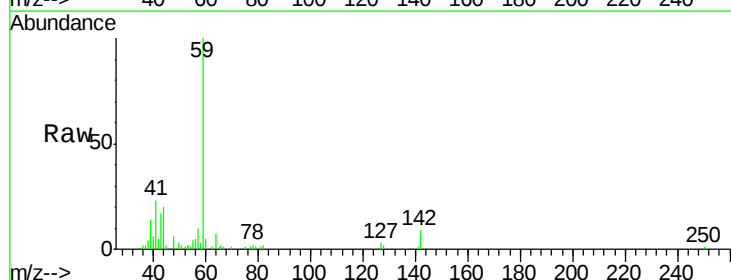
Acq: 06 Jul 2018 05:27

Tgt Ion: 59 Resp: 13012

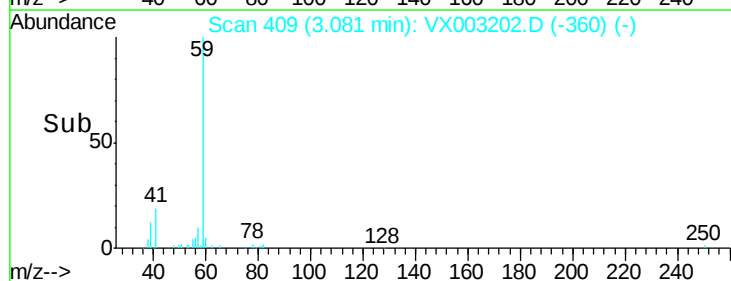
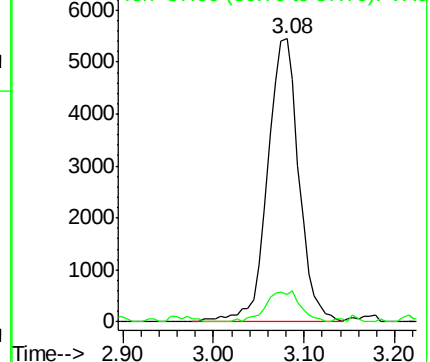
Ion Ratio Lower Upper

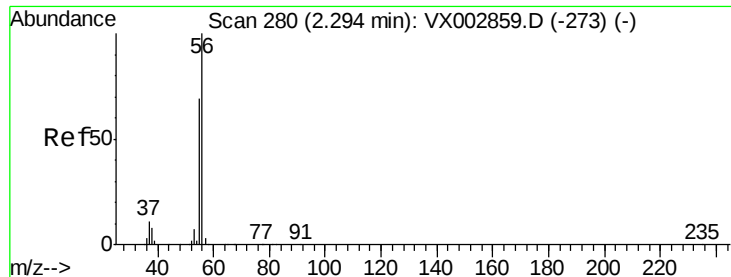
59 100

57 12.0 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0  
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 6.07 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

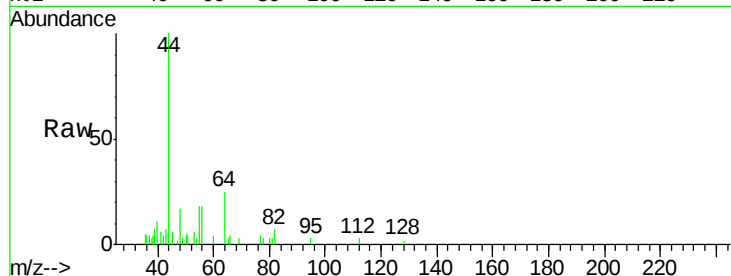
ClientSampled :

Tot Ion: 56 Resp: 865

Ion Ratio Lower Upper

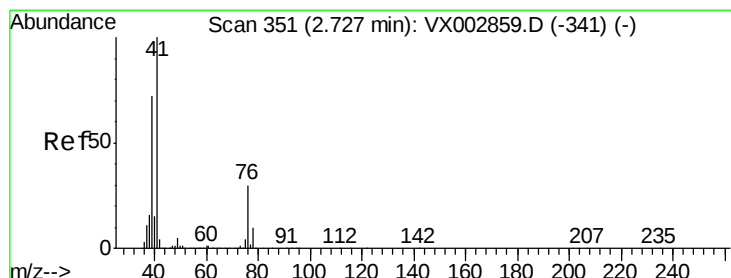
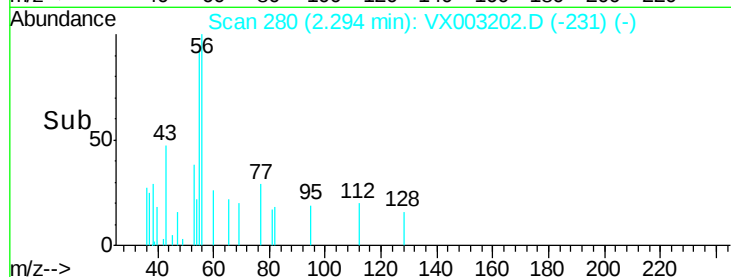
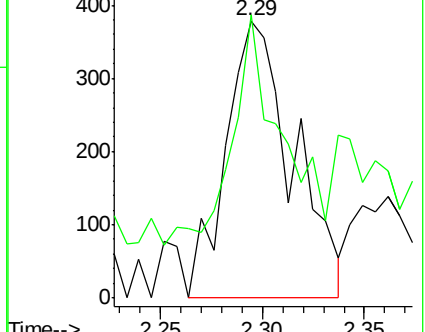
56 100

55 75.8 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 3.91 ug/l

RT: 2.71 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

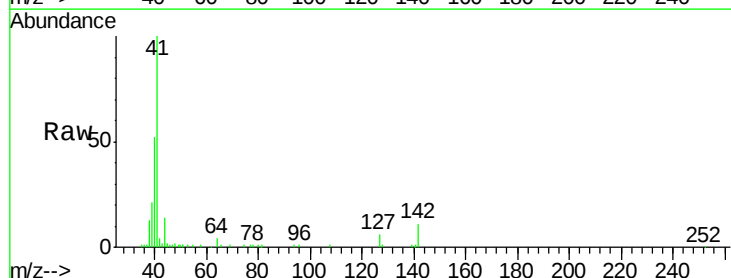
Tgt Ion: 41 Resp: 23010

Ion Ratio Lower Upper

41 100

39 21.6 56.8 85.2#

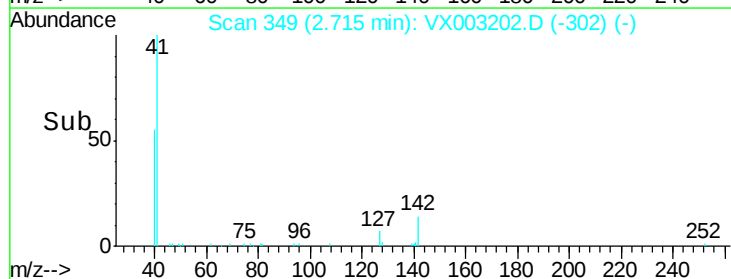
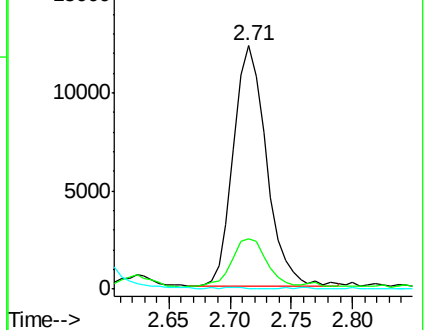
76 0.0 23.8 35.8#

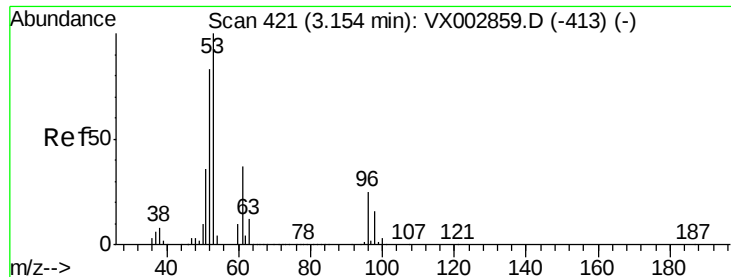


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 0.48 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

ClientSampled :

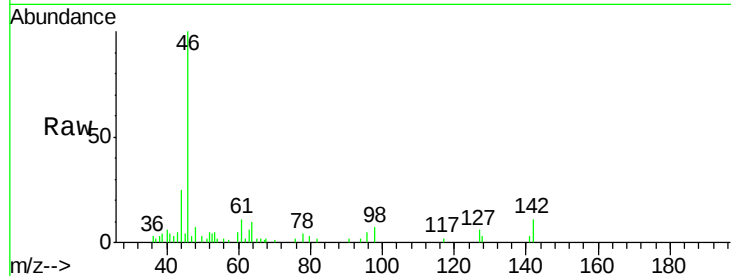
Tot Ion: 53 Resp: 854

Ion Ratio Lower Upper

53 100

52 73.0 66.7 100.1

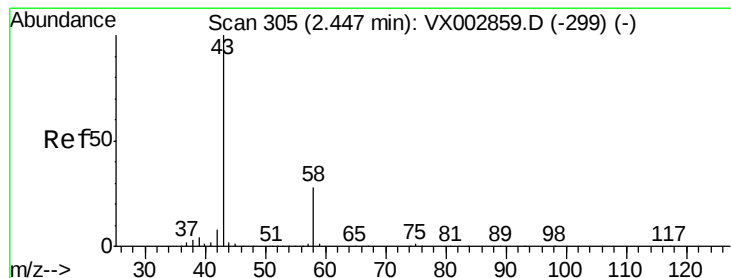
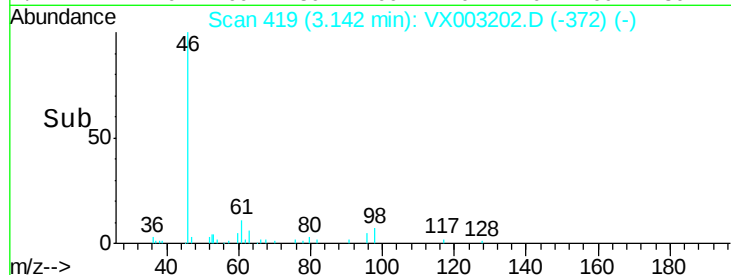
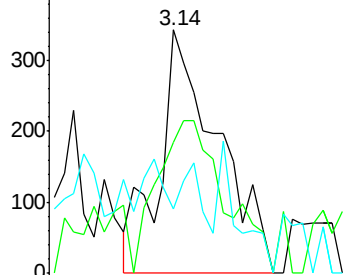
51 18.4 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 617.93 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003202.D

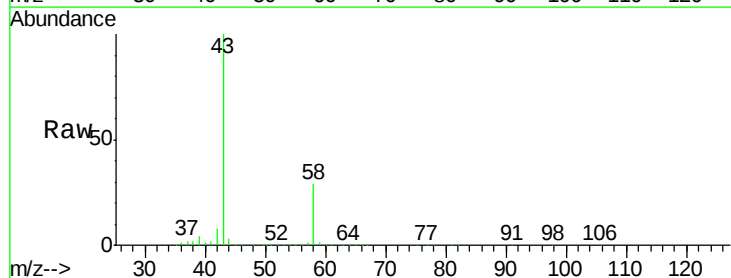
Acq: 06 Jul 2018 05:27

Tgt Ion: 43 Resp: 1071121

Ion Ratio Lower Upper

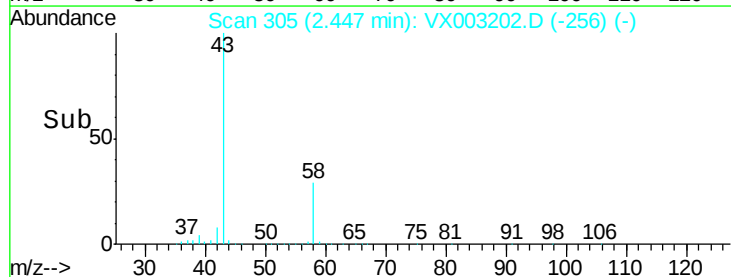
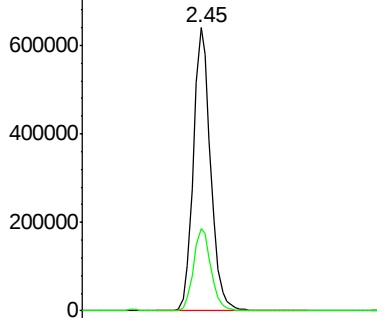
43 100

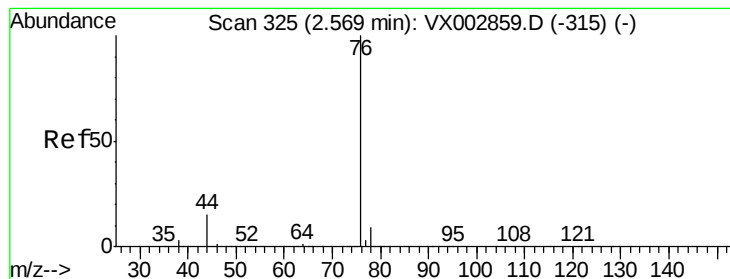
58 29.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 5.15 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

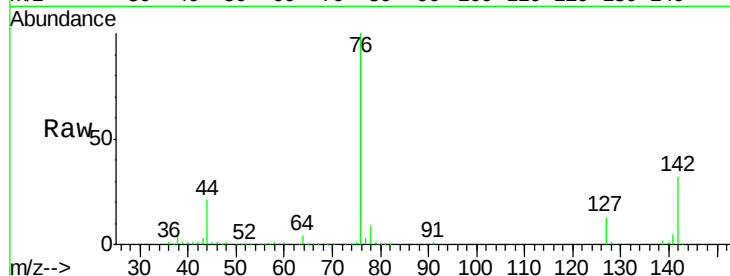
ClientSampled :

Tot Ion: 76 Resp: 40962

Ion Ratio Lower Upper

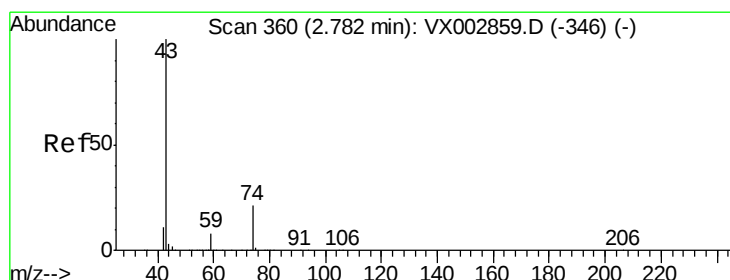
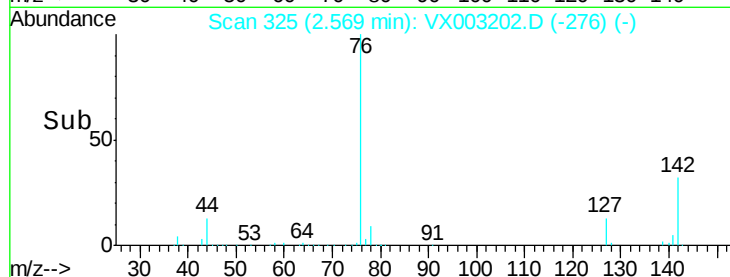
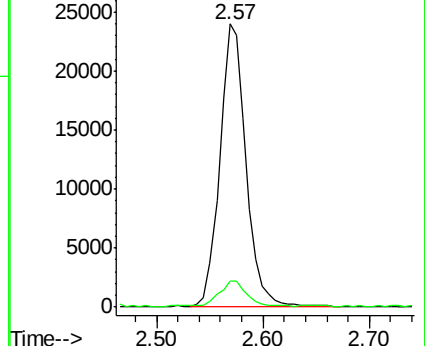
76 100

78 9.0 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.60 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003202.D

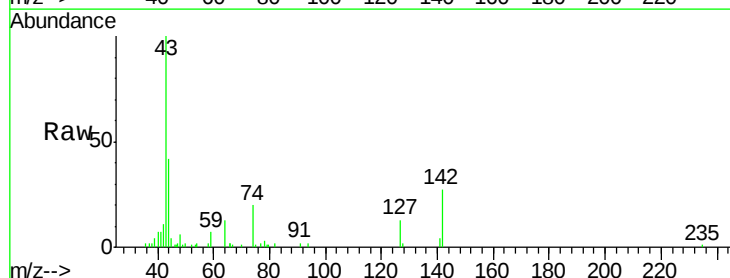
Acq: 06 Jul 2018 05:27

Tgt Ion: 43 Resp: 7737

Ion Ratio Lower Upper

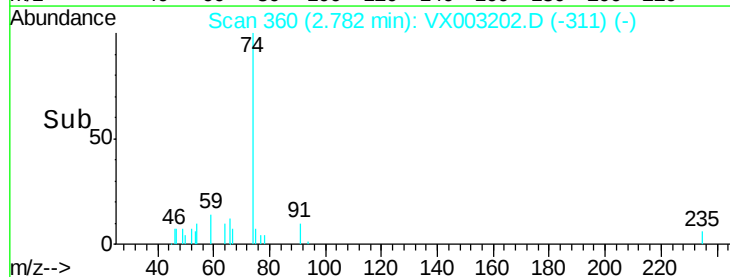
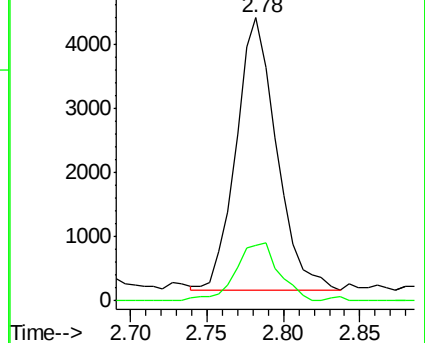
43 100

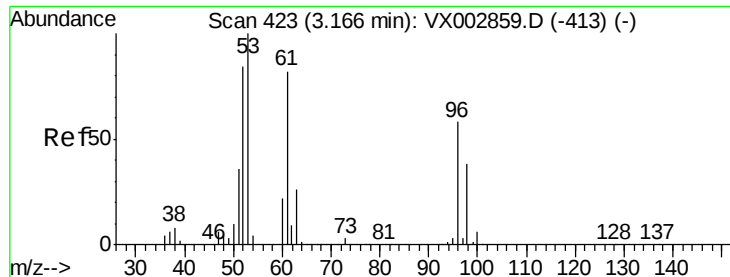
74 22.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.89 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

ClientSampleId :

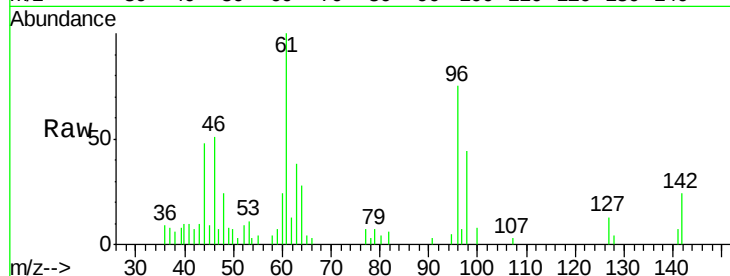
Tot Ion: 96 Resp: 2894

Ion Ratio Lower Upper

96 100

61 133.0 117.0 175.4

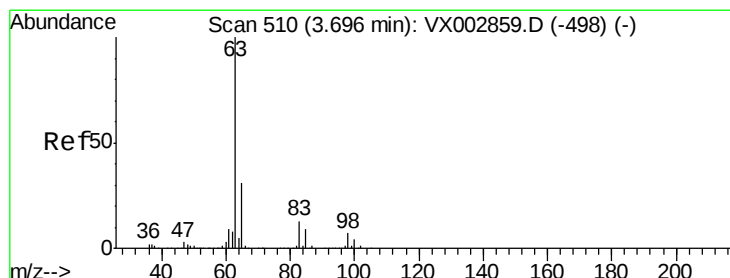
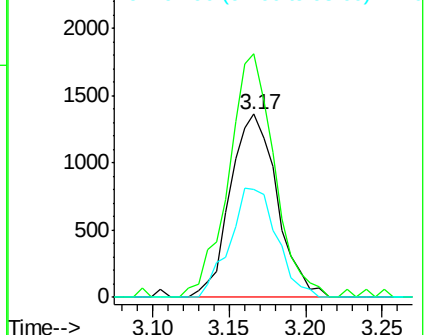
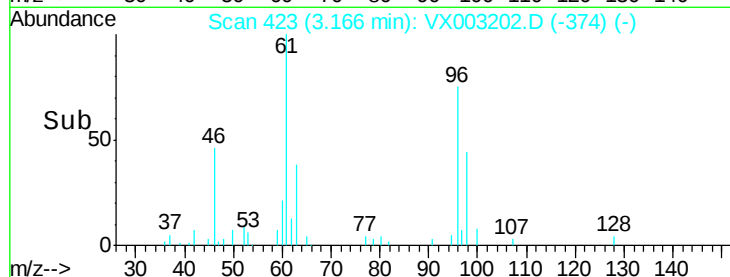
98 58.6 52.4 78.6



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



#24

1,1-Dichloroethane

Concen: 4.64 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

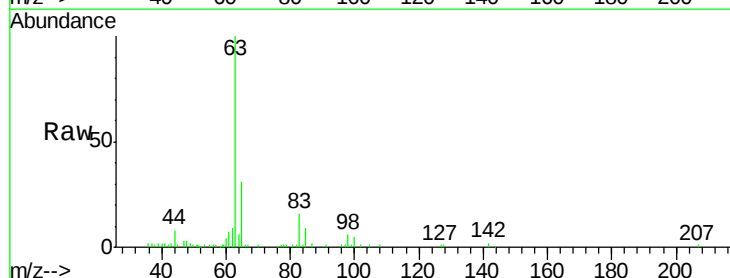
Tgt Ion: 63 Resp: 28394

Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.2

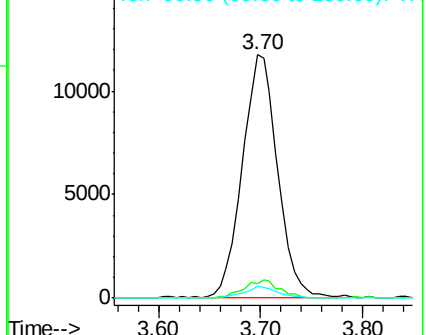
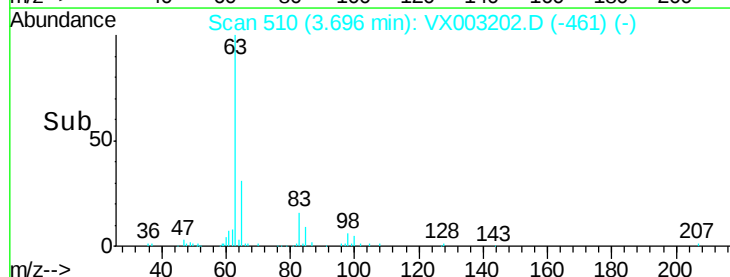
100 5.1 2.0 6.0

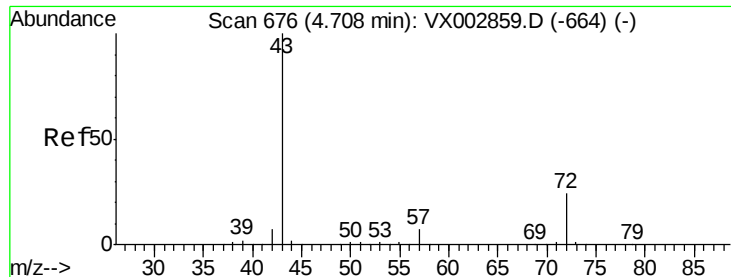


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 64.93 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

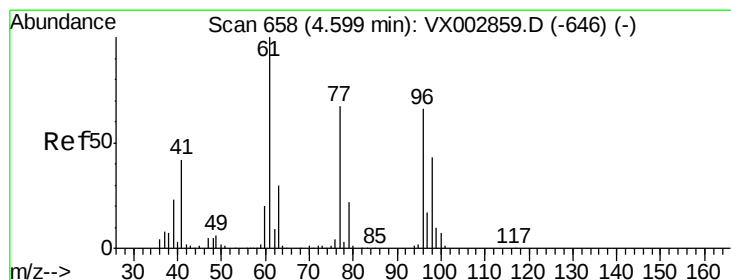
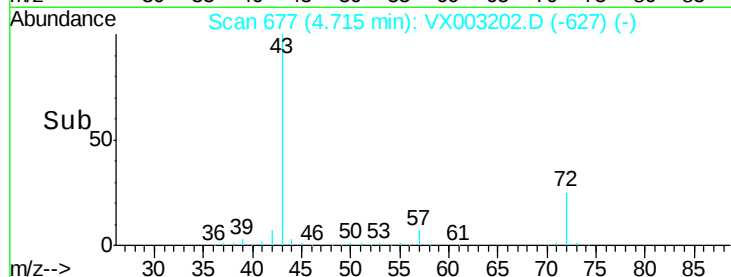
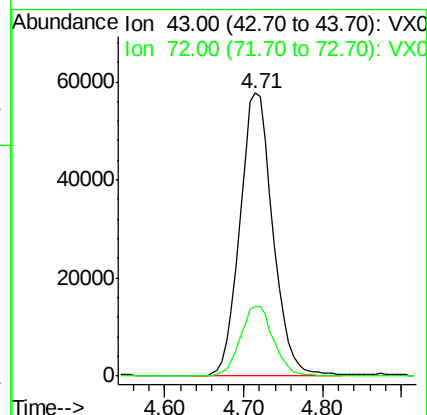
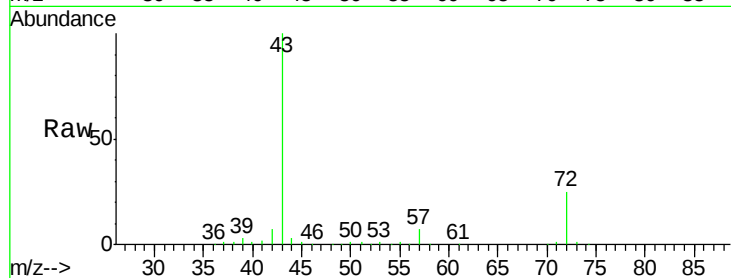
ClientSampleId :

Tot Ion: 43 Resp: 167048

Ion Ratio Lower Upper

43 100

72 24.6 18.5 27.7



#27

cis-1,2-Dichloroethene

Concen: 5.29 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

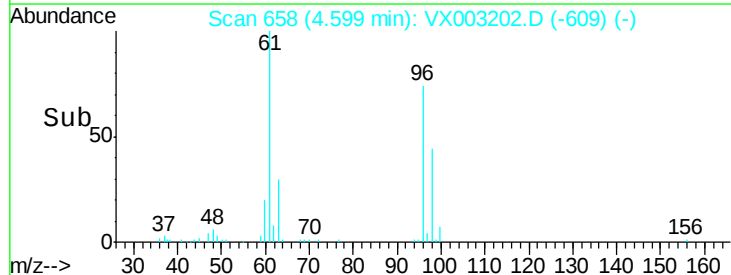
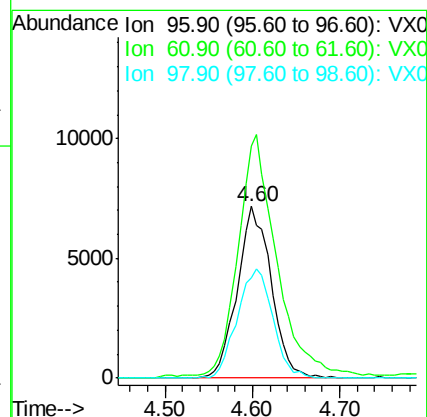
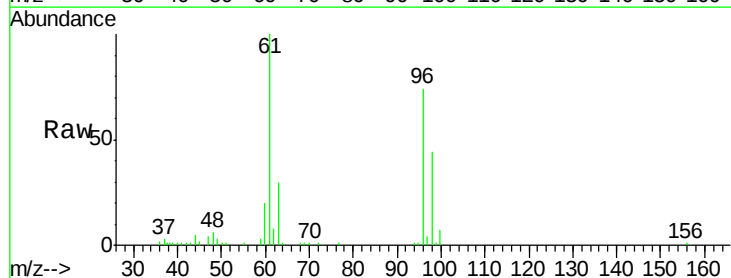
Tgt Ion: 96 Resp: 19308

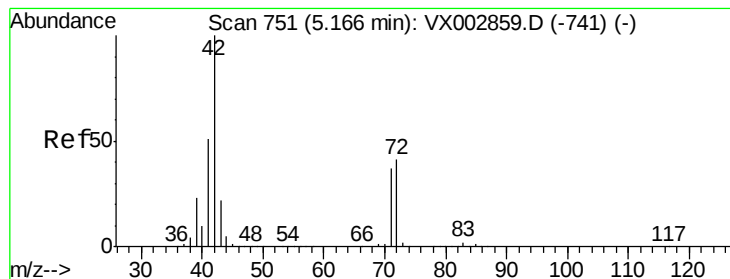
Ion Ratio Lower Upper

96 100

61 161.0 0.0 330.2

98 66.4 0.0 130.2





#29

Tetrahydrofuran

Concen: 0.51 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

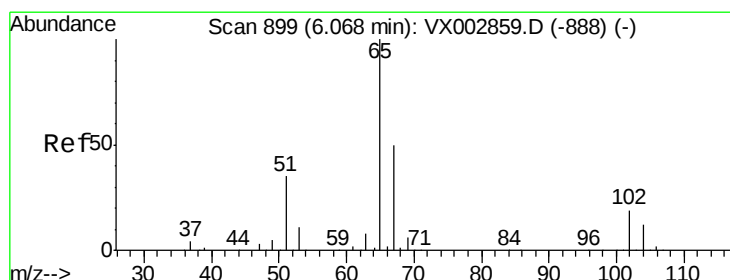
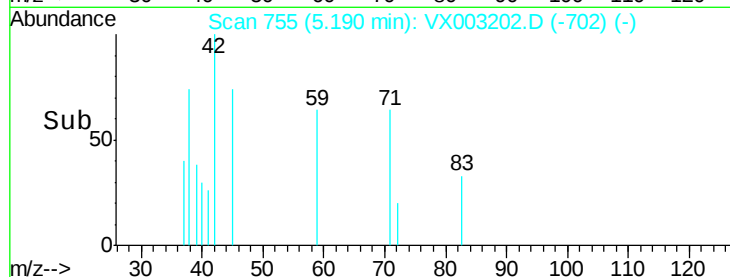
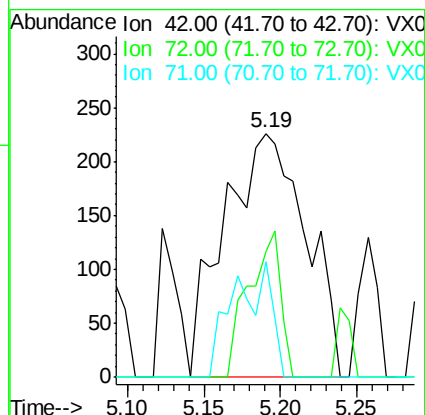
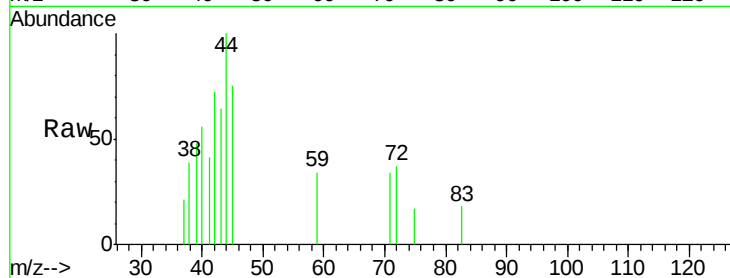
Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 42 Resp: 839

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 23.6  | 32.0  | 48.0# |
| 71  | 22.1  | 30.1  | 45.1# |



#33

1,2-Dichloroethane-d4

Concen: 44.61 ug/l

RT: 6.07 min Scan# 900

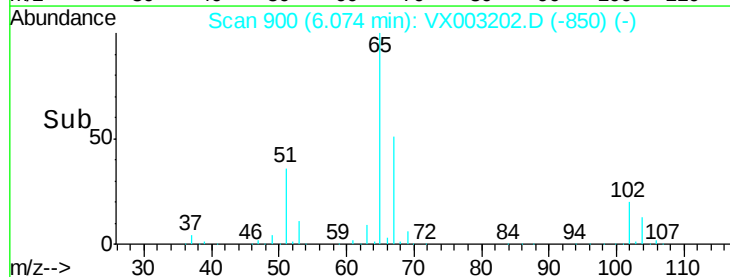
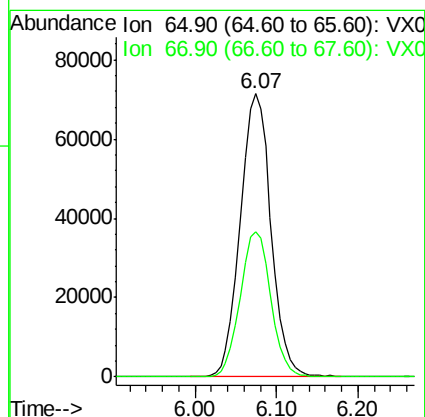
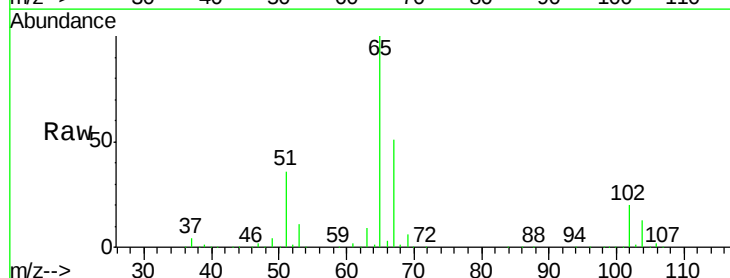
Delta R.T. 0.01 min

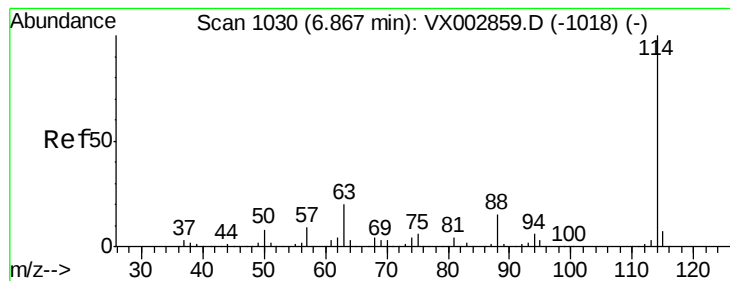
Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Tgt Ion: 65 Resp: 186740

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 51.3  | 0.0   | 102.6 |





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

ClientSampleId :

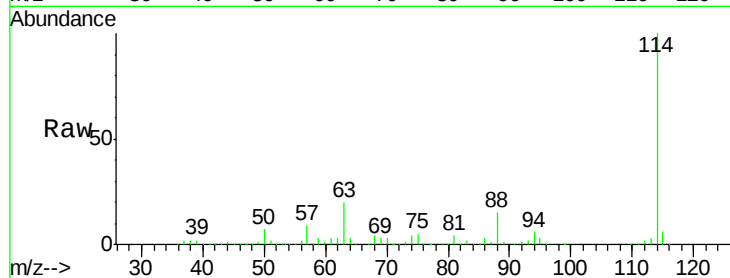
Tot Ion:114 Resp: 397178

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

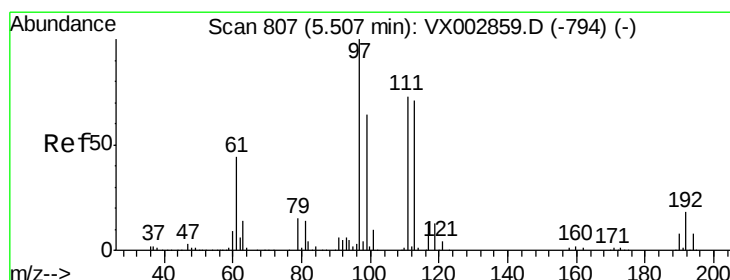
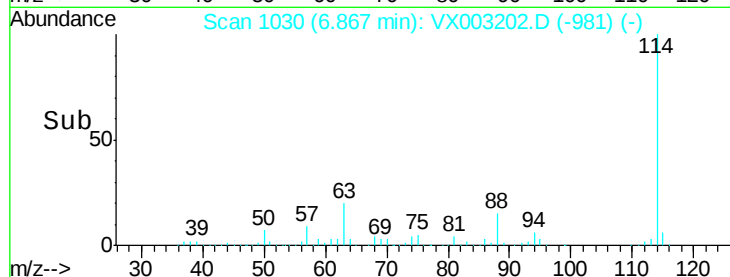
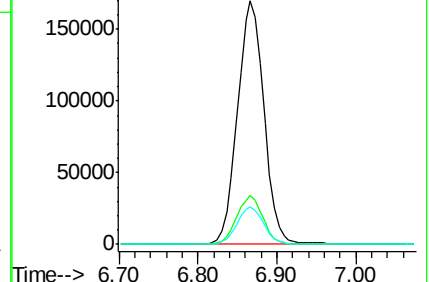
88 15.3 0.0 30.0



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: 51.96 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

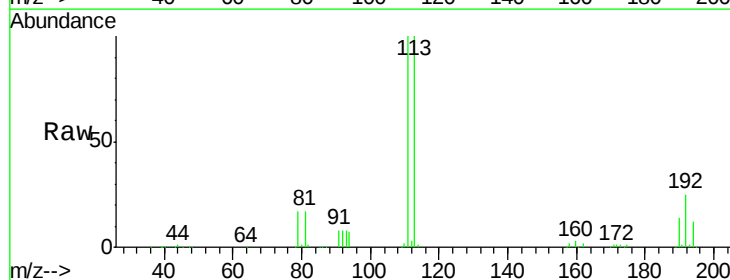
Tgt Ion:113 Resp: 163422

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

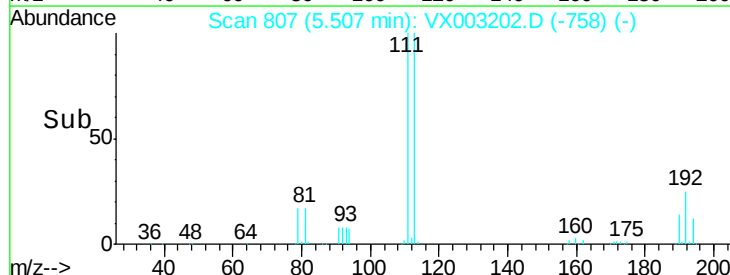
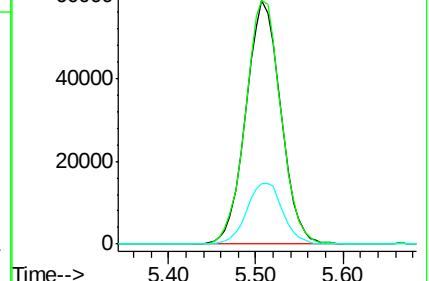
192 25.9 19.1 28.7

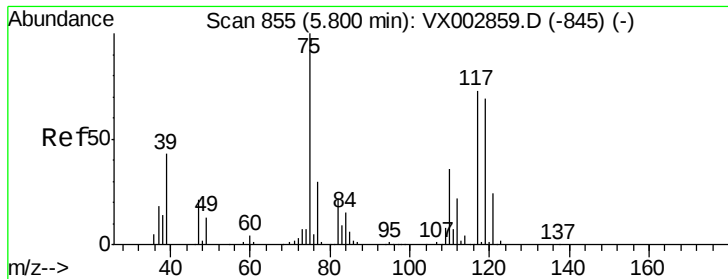


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.39 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

ClientSampleId :

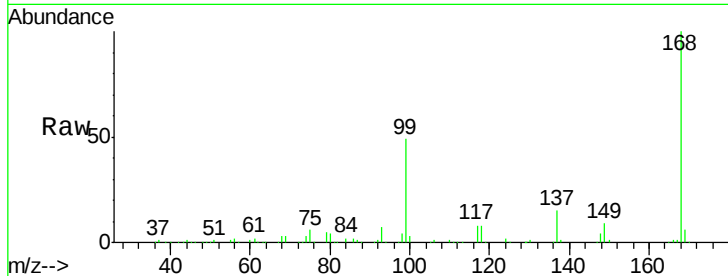
Tot Ion: 75 Resp: 19108

Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.4#

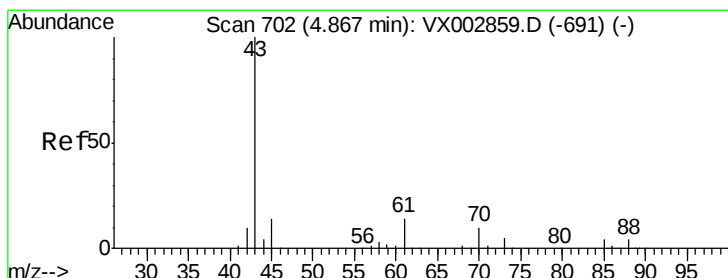
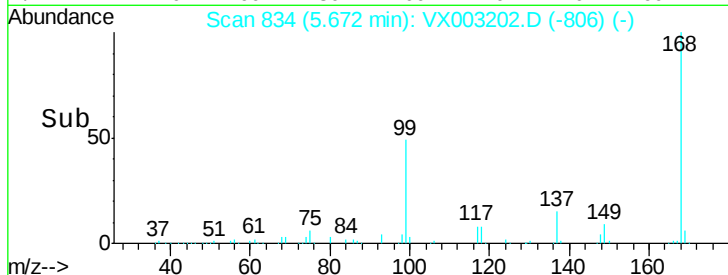
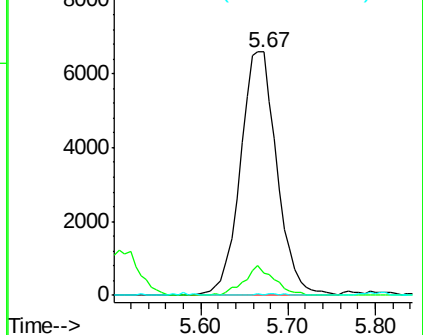
77 0.4 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 35.62 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.15 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

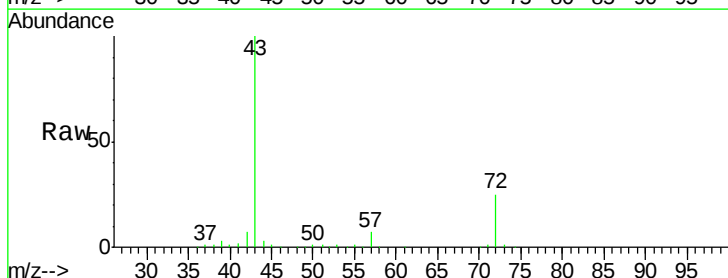
Tgt Ion: 43 Resp: 167048

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

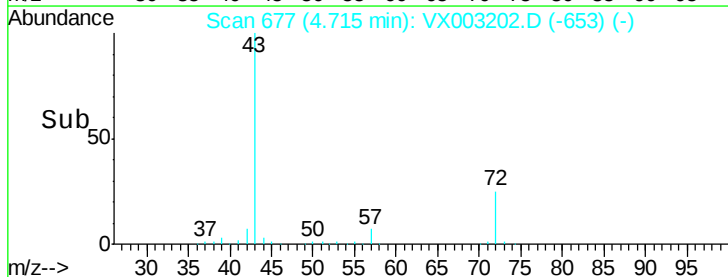
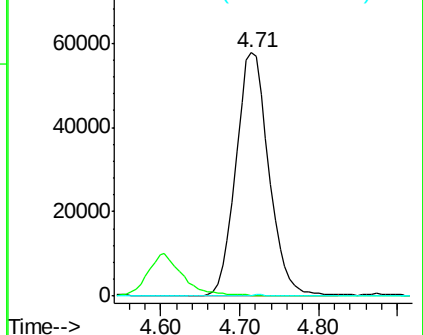
70 0.4 7.6 11.4#

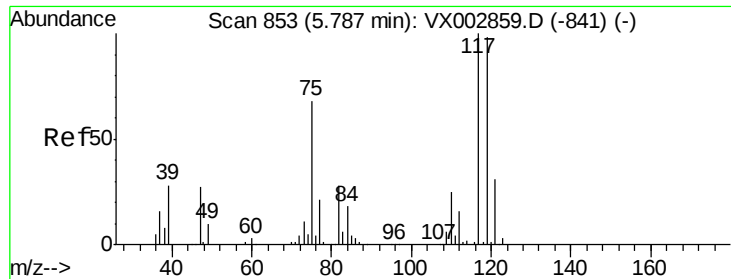


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.47 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

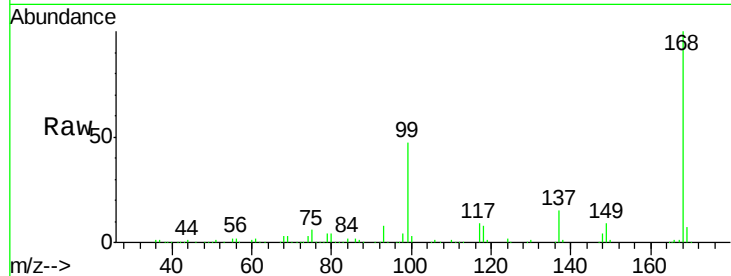
Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

ClientSampled :



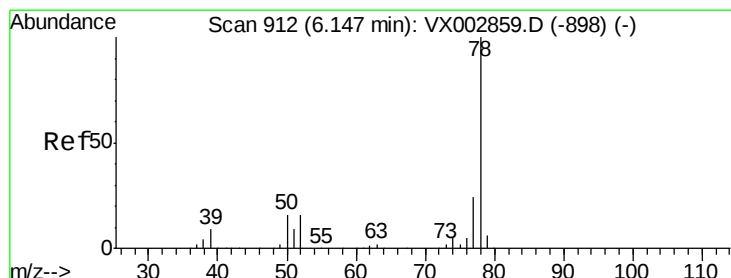
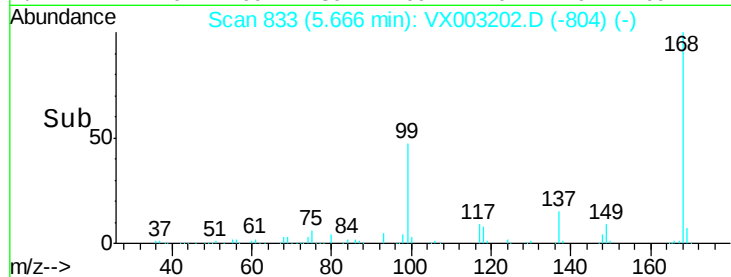
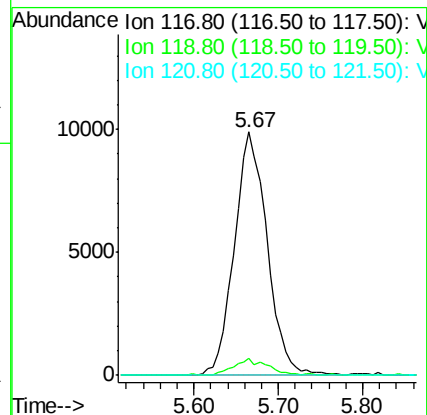
Tot Ion:117 Resp: 26145

Ion Ratio Lower Upper

117 100

119 7.0 77.4 116.0#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 2.99 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX003202.D

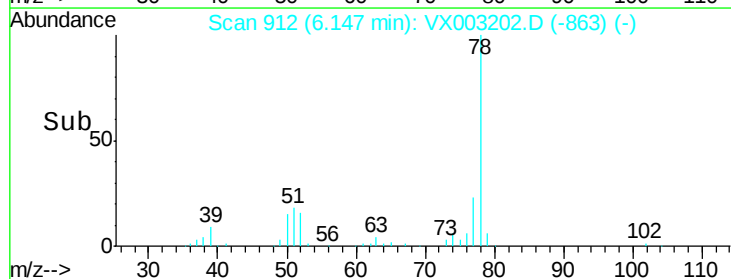
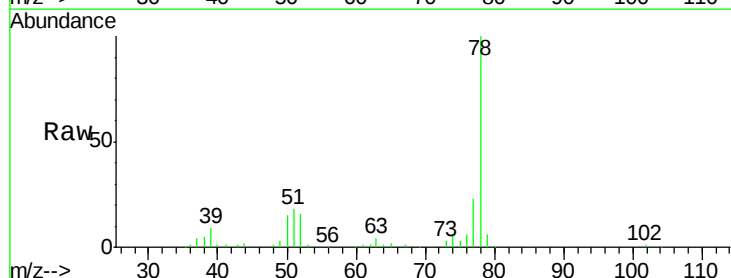
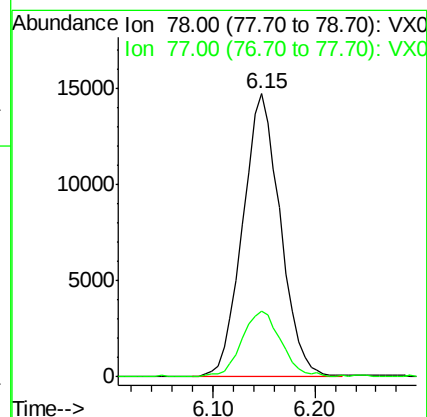
Acq: 06 Jul 2018 05:27

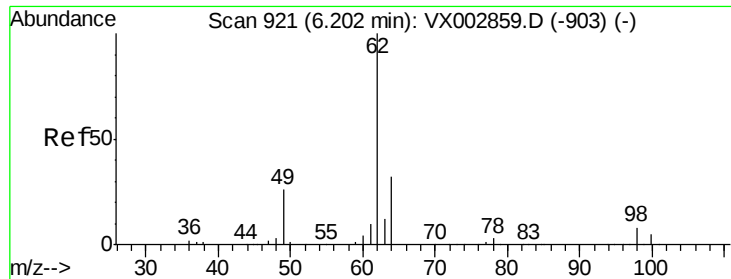
Tgt Ion: 78 Resp: 37868

Ion Ratio Lower Upper

78 100

77 23.1 19.1 28.7





#42

1,2-Dichloroethane

Concen: 0.32 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.01 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

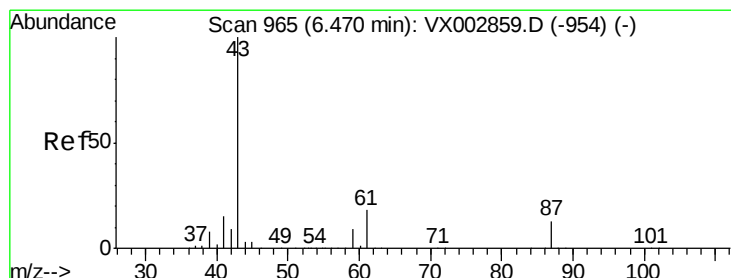
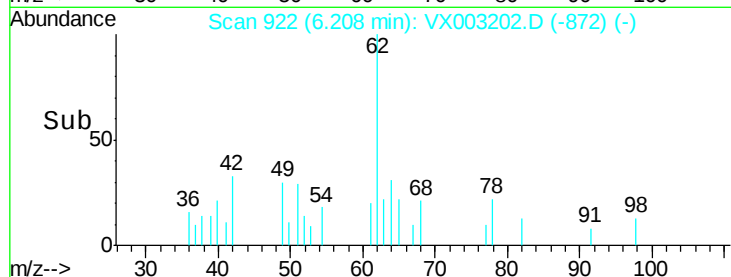
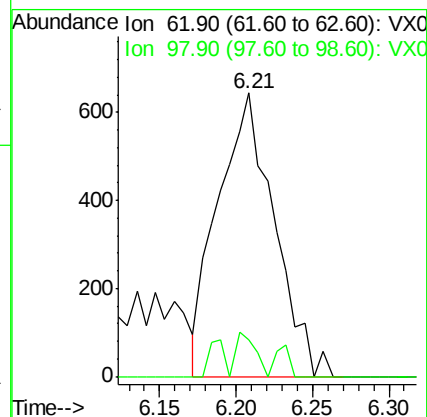
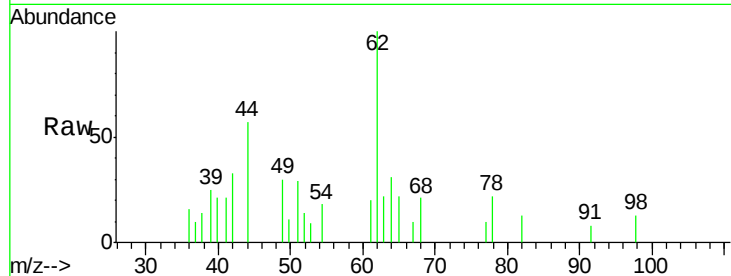
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 62 Resp: 1649

Ion Ratio Lower Upper

62 100

98 5.3 0.0 16.6



#43

Isopropyl Acetate

Concen: 0.88 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

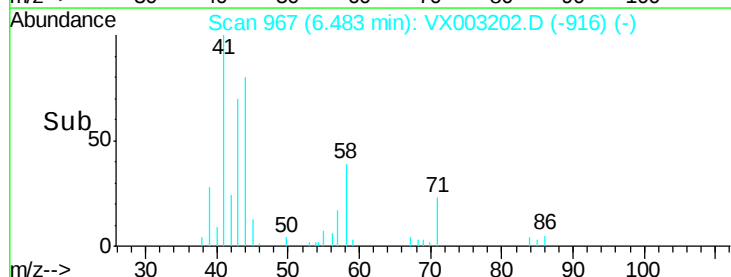
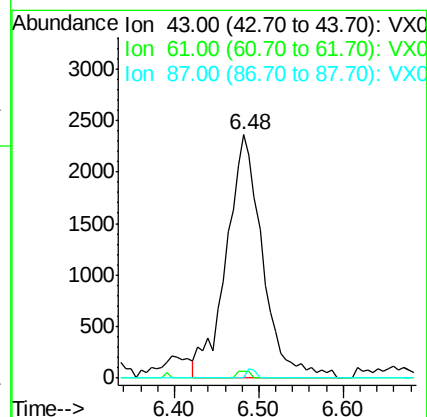
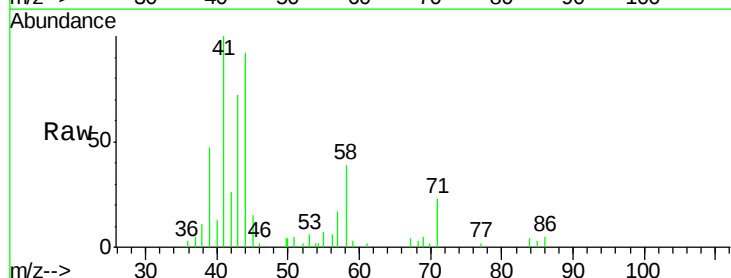
Tgt Ion: 43 Resp: 6923

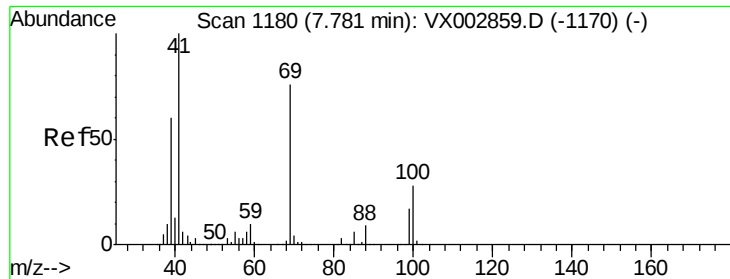
Ion Ratio Lower Upper

43 100

61 1.0 14.4 21.6#

87 0.9 9.5 14.3#

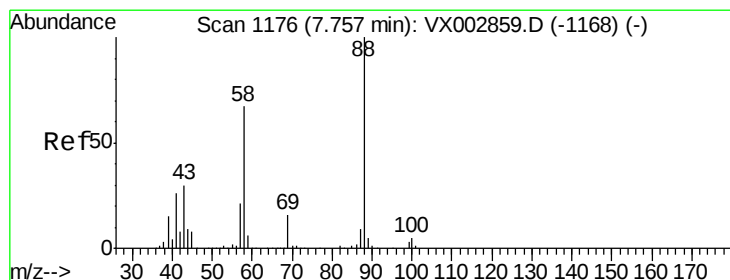
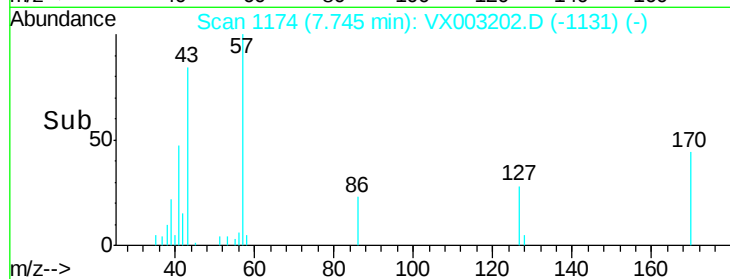
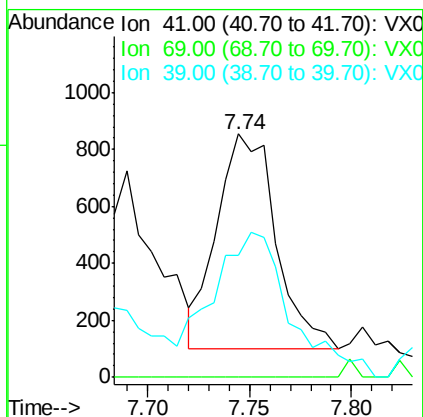
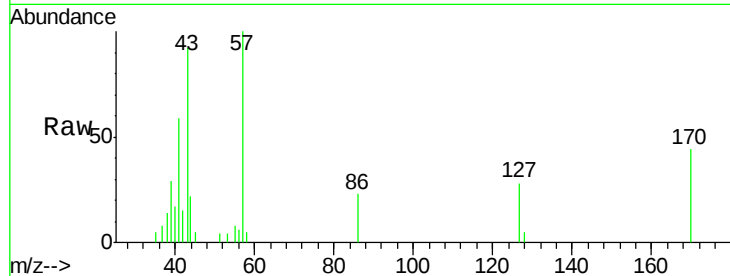




#48  
Methvl methacrylate  
Concen: 0.38 ug/l  
RT: 7.74 min Scan# 1174  
Delta R.T. -0.04 min  
Lab File: VX003202.D  
Acq: 06 Jul 2018 05:27

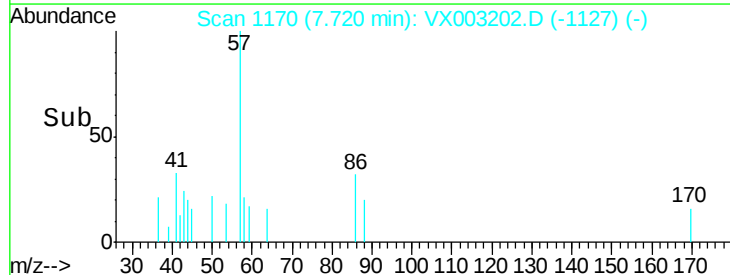
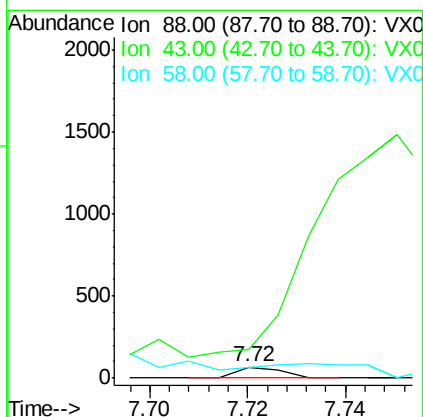
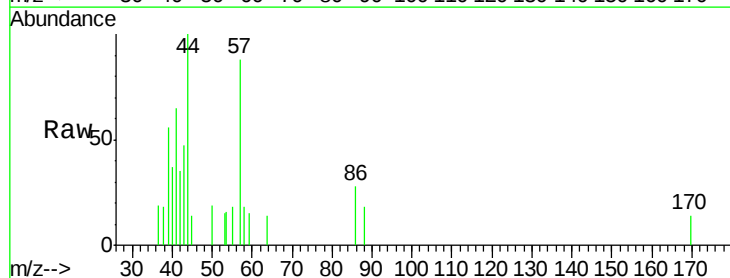
Instrument :  
MSVOA\_X  
ClientSampled :

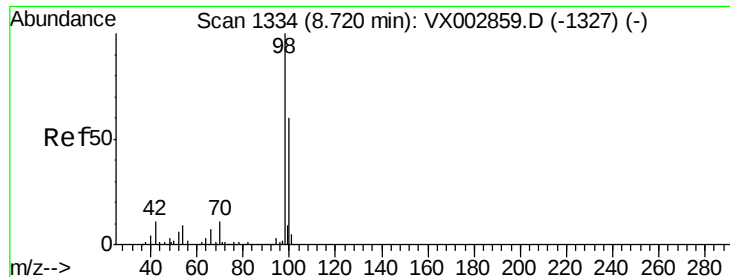
Tot Ion: 41 Resp: 1520  
Ion Ratio Lower Upper  
41 100  
69 0.0 59.1 88.7#  
39 89.8 48.9 73.3#



#49  
1,4-Dioxane  
Concen: 0.55 ug/l  
RT: 7.72 min Scan# 1170  
Delta R.T. -0.04 min  
Lab File: VX003202.D  
Acq: 06 Jul 2018 05:27

Tgt Ion: 88 Resp: 43  
Ion Ratio Lower Upper  
88 100  
43 0.0 29.8 44.6#  
58 272.1 57.1 85.7#

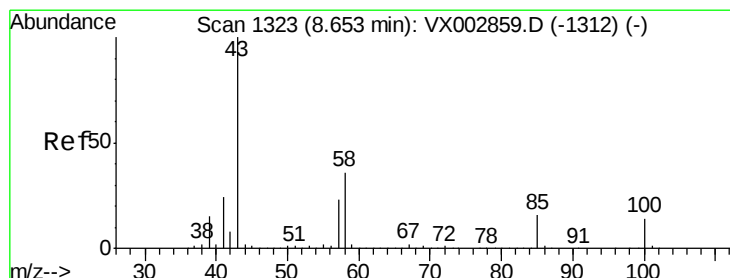
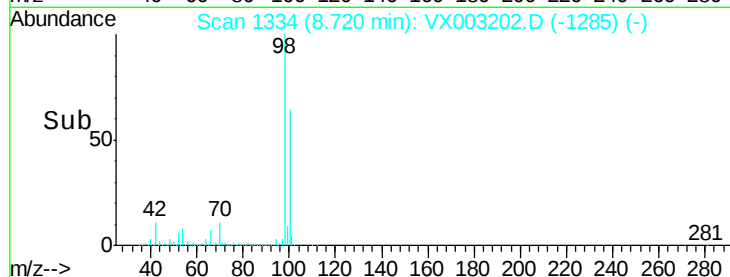
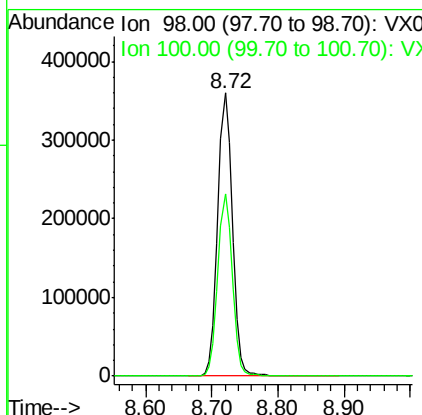
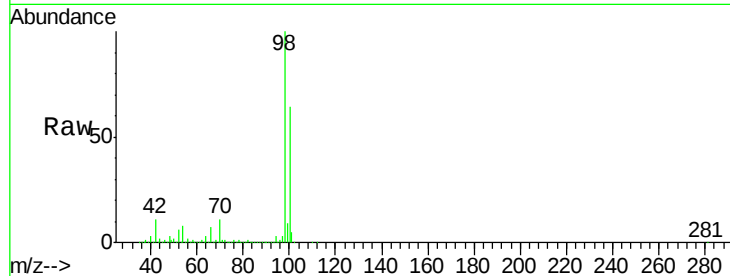




#50  
Toluene-d8  
Concen: 48.06 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003202.D  
Acq: 06 Jul 2018 05:27

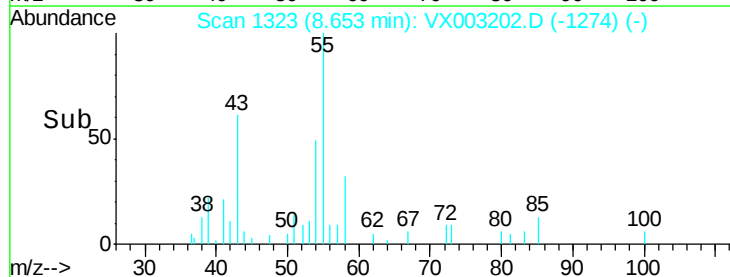
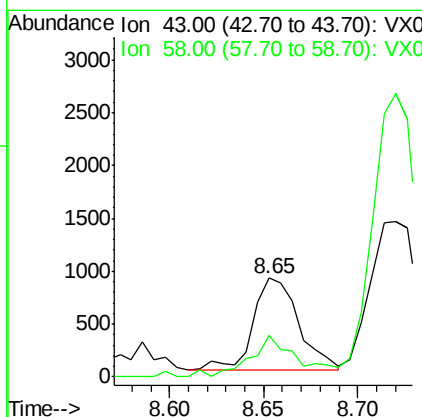
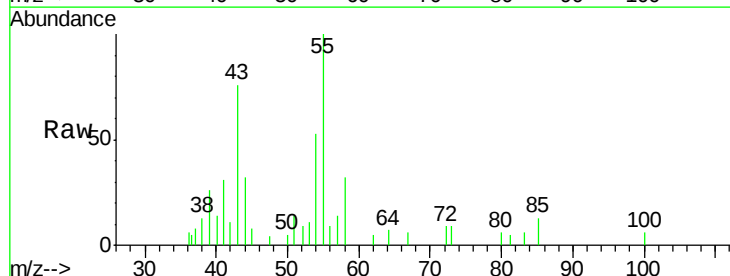
Instrument :  
MSVOA\_X  
ClientSampled :

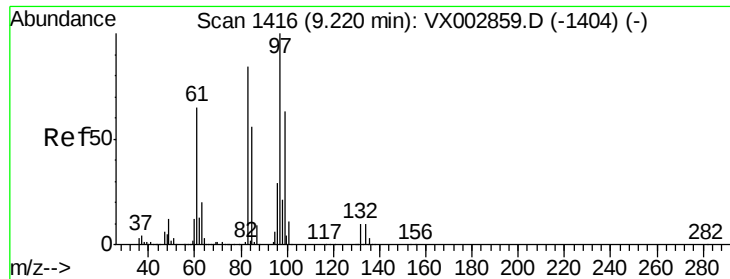
Tot Ion: 98 Resp: 551980  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.9 76.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.30 ug/l  
RT: 8.65 min Scan# 1323  
Delta R.T. 0.00 min  
Lab File: VX003202.D  
Acq: 06 Jul 2018 05:27

Tgt Ion: 43 Resp: 1464  
Ion Ratio Lower Upper  
43 100  
58 45.1 28.6 42.8#

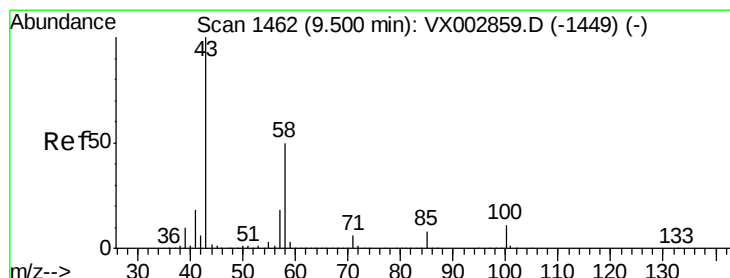
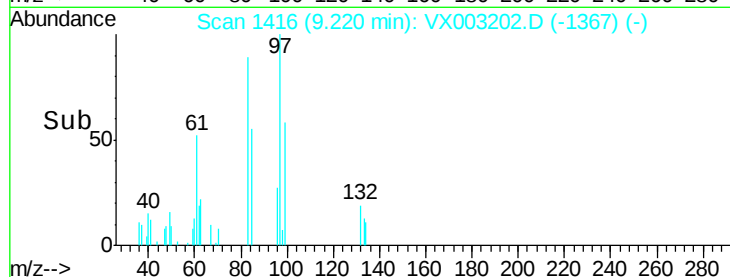
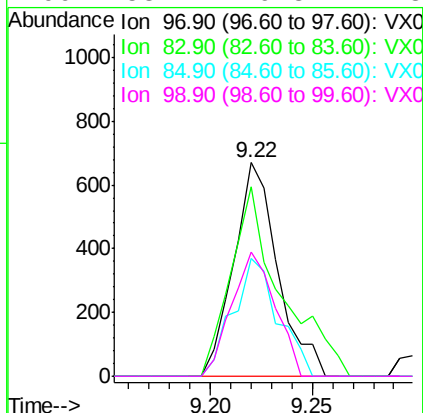
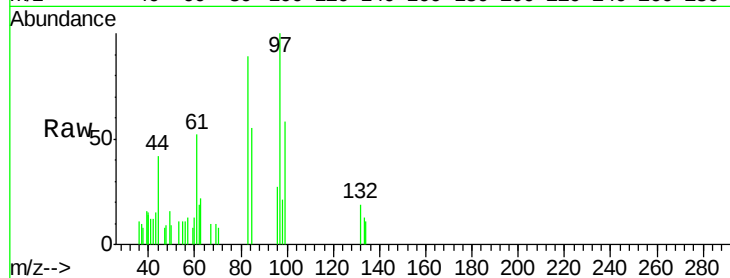




#55  
 1,1,2-Trichloroethane  
 Concen: 0.30 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. 0.00 min  
 Lab File: VX003202.D  
 Acq: 06 Jul 2018 05:27

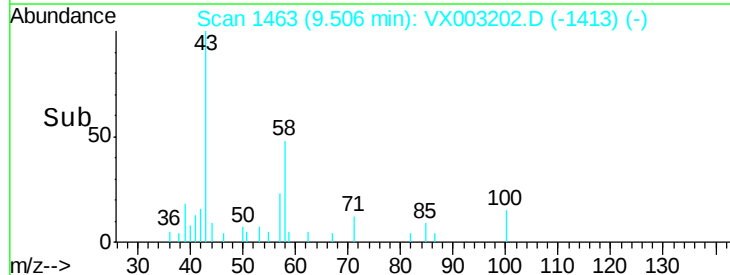
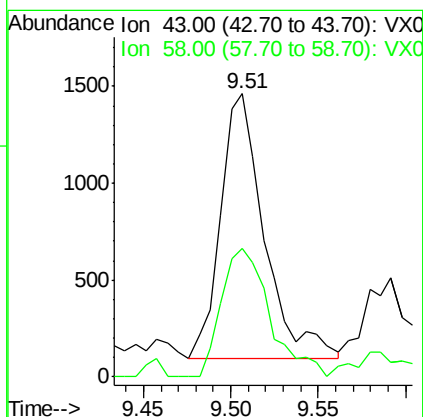
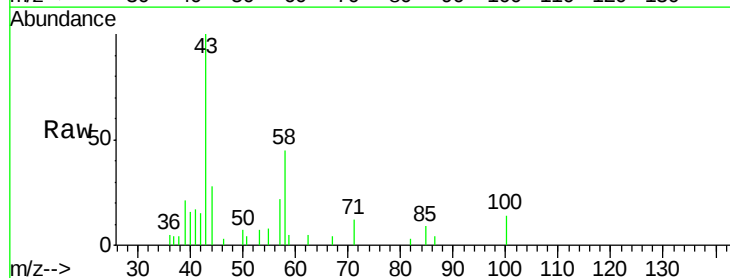
Instrument :  
 MSVOA\_X  
 ClientSampled :

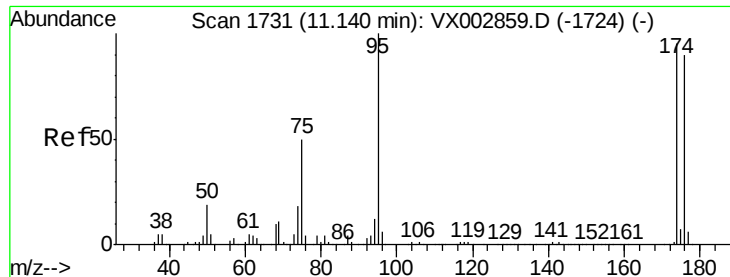
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 1005  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 89.0  | 70.2  | 105.2 |
| 85       | 55.2  | 44.9  | 67.3  |
| 99       | 58.4  | 49.8  | 74.8  |



#59  
 2-Hexanone  
 Concen: 0.63 ug/l  
 RT: 9.51 min Scan# 1463  
 Delta R.T. 0.01 min  
 Lab File: VX003202.D  
 Acq: 06 Jul 2018 05:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2374  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 53.7  | 24.6  | 73.6  |

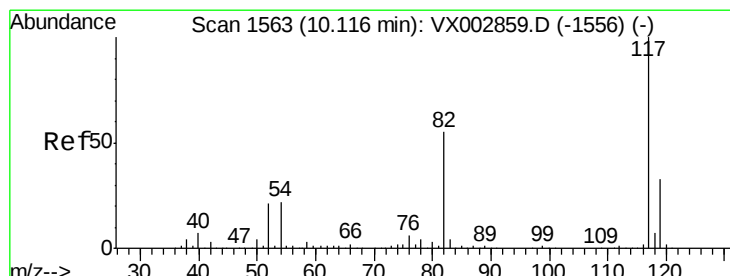
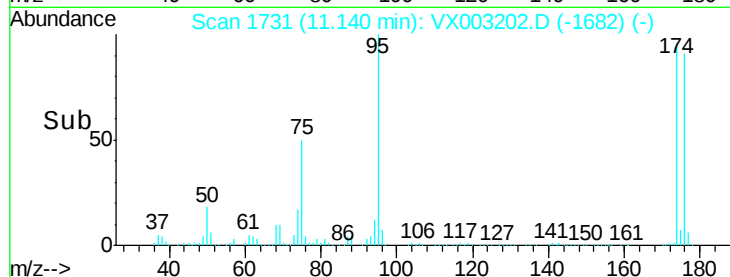
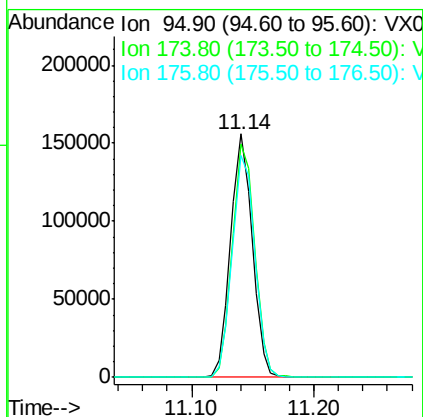
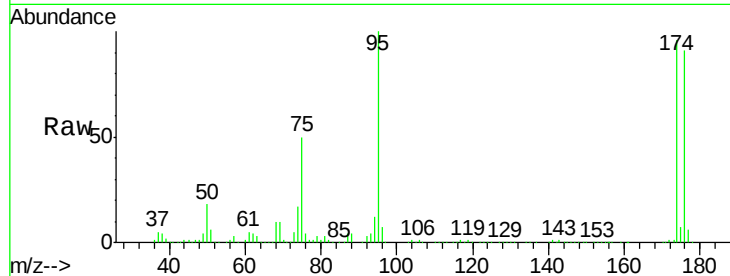




#62  
4-Bromofluorobenzene  
Concen: 43.17 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX003202.D  
Acq: 06 Jul 2018 05:27

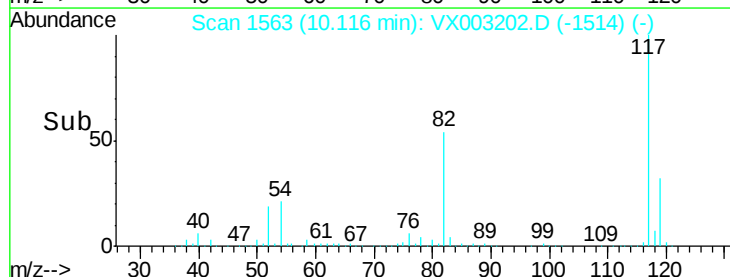
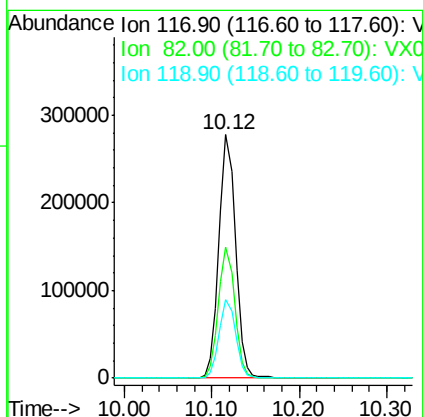
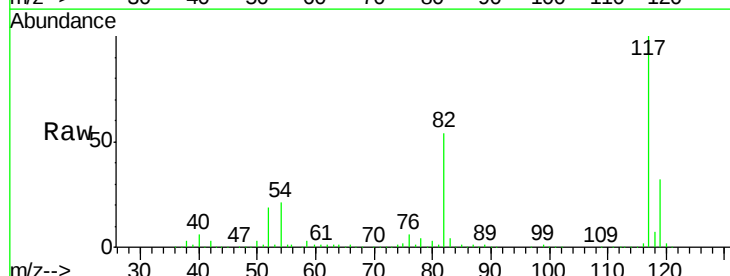
Instrument :  
MSVOA\_X  
ClientSampleId :

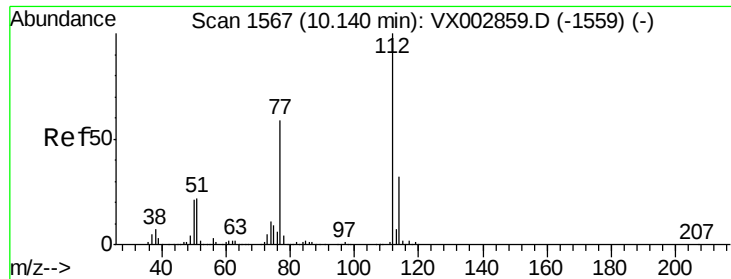
Tot Ion: 95 Resp: 191215  
Ion Ratio Lower Upper  
95 100  
174 99.1 0.0 187.4  
176 94.8 0.0 181.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003202.D  
Acq: 06 Jul 2018 05:27

Tgt Ion: 117 Resp: 365391  
Ion Ratio Lower Upper  
117 100  
82 53.8 45.0 67.4  
119 32.3 25.8 38.6





#65

Chlorobenzene

Concen: 1.15 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

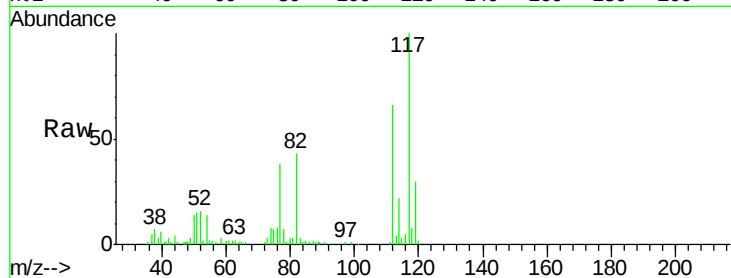
ClientSampleId :

Tot Ion:112 Resp: 10687

Ion Ratio Lower Upper

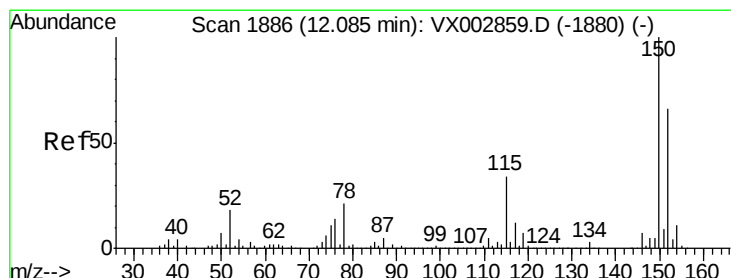
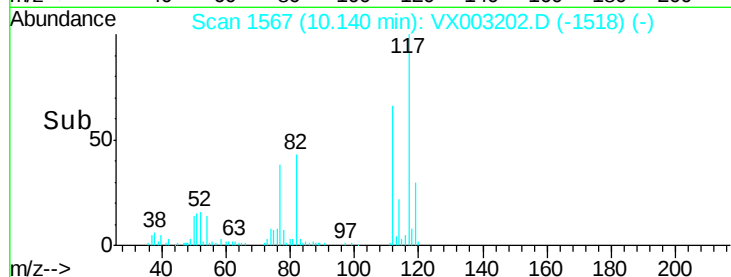
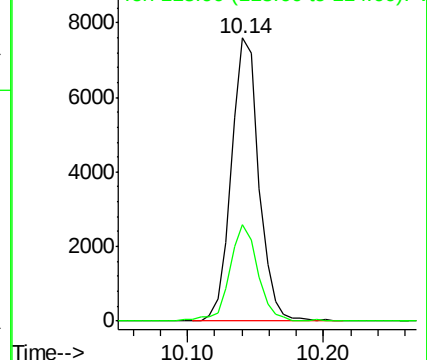
112 100

114 34.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

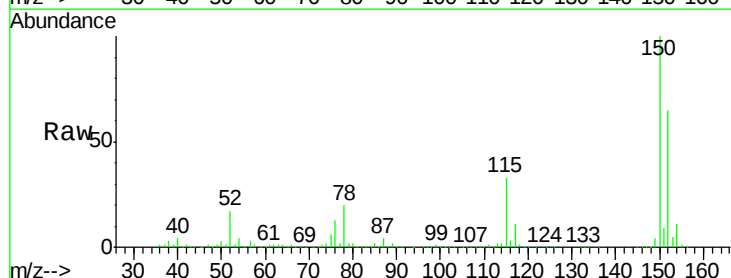
Tgt Ion:152 Resp: 200862

Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

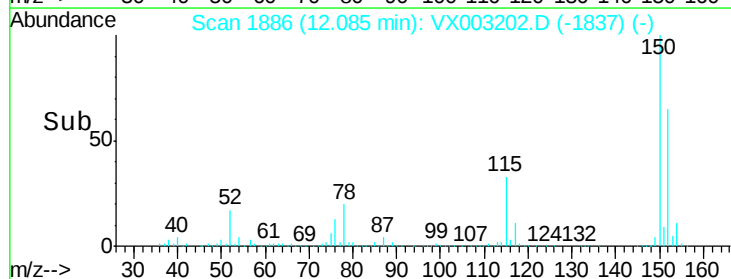
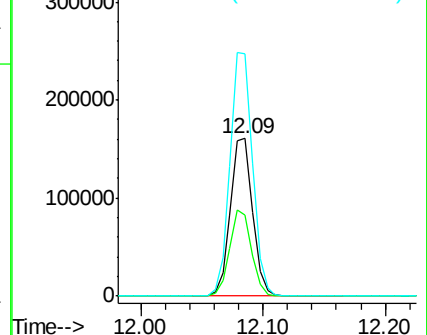
150 156.6 0.0 347.2

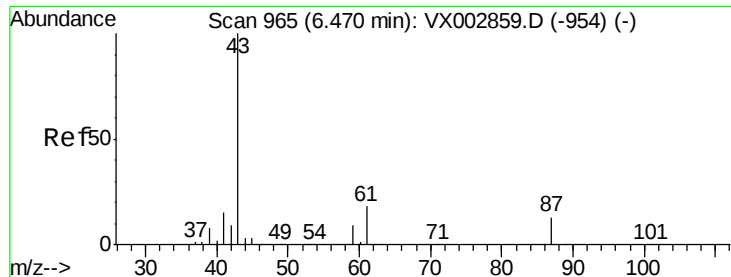


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.05 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion: 43 Resp: 6923

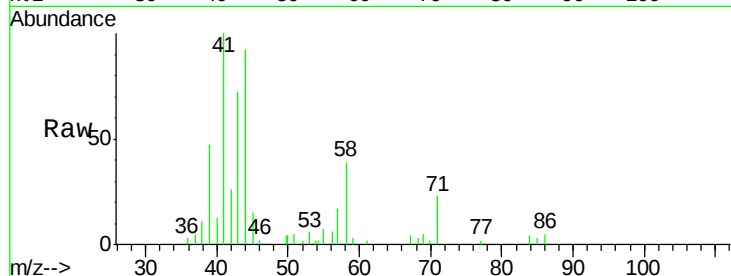
Ion Ratio Lower Upper

43 100

70 1.1 0.0 0.0#

55 11.5 0.0 0.0#

61 1.0 14.4 21.6#

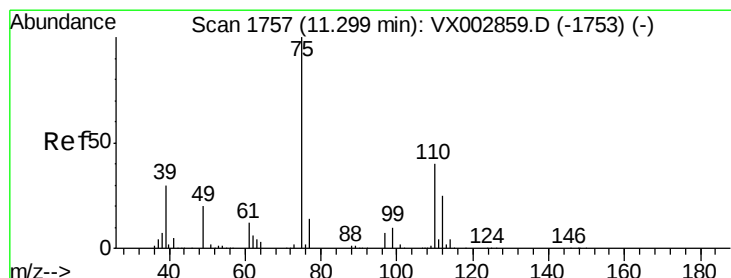
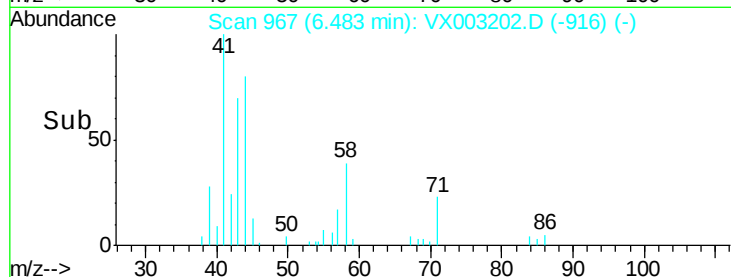
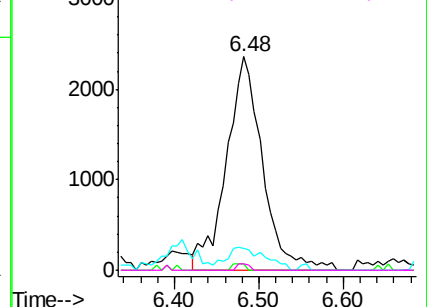


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 26.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003202.D

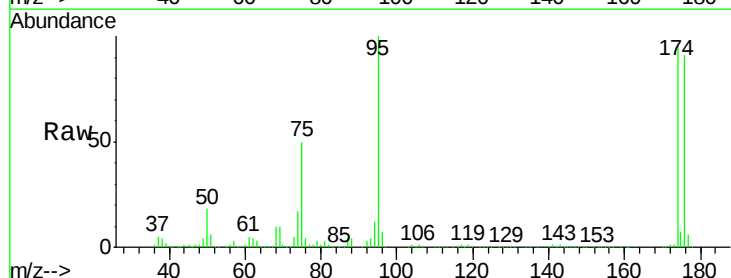
Acq: 06 Jul 2018 05:27

Tgt Ion: 75 Resp: 96314

Ion Ratio Lower Upper

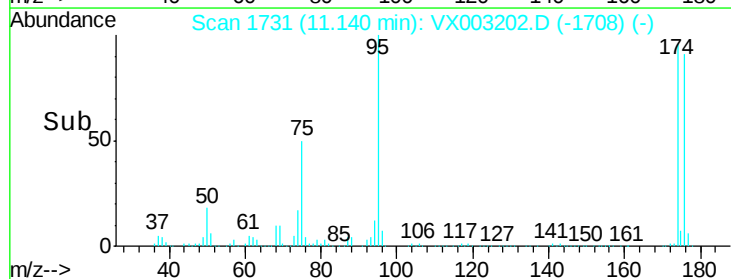
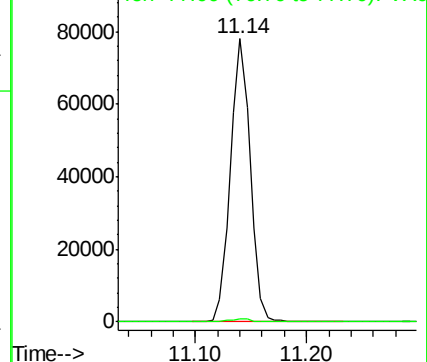
75 100

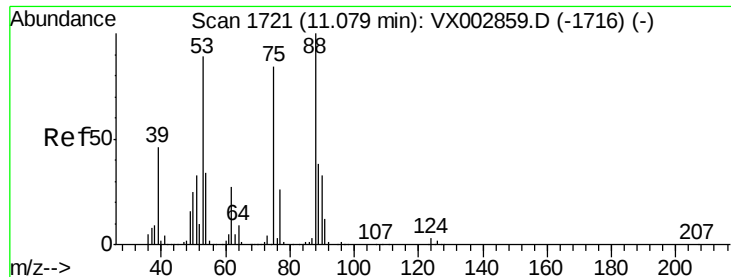
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 75.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

ClientSampled :

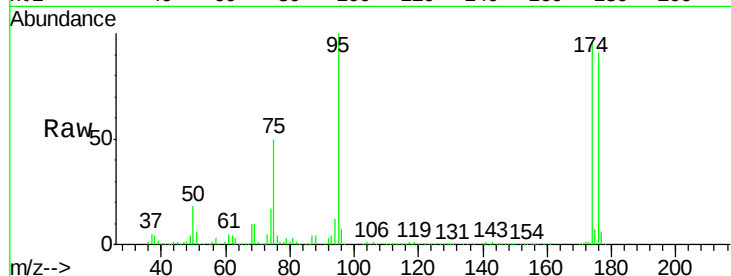
Tot Ion: 75 Resp: 96314

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

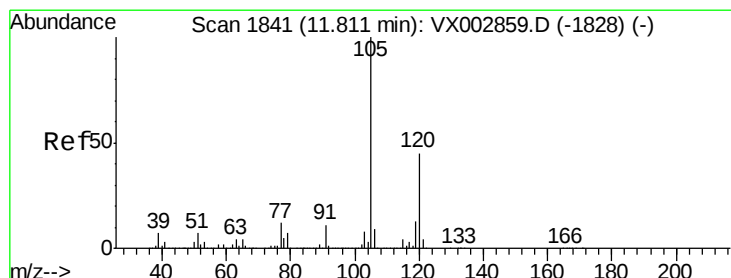
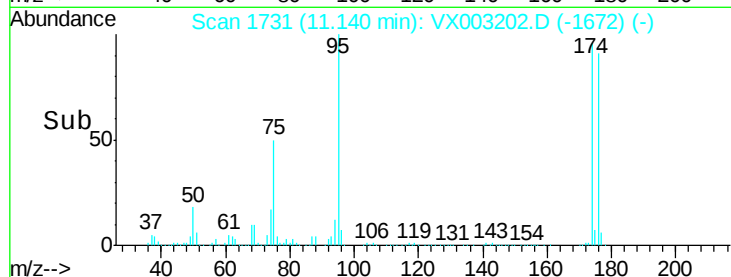
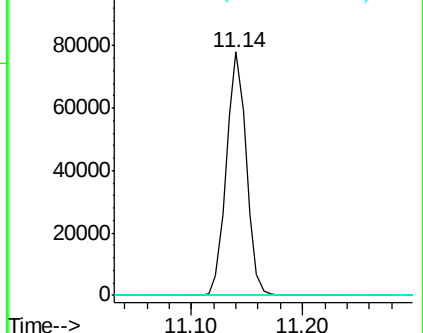
89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.40 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003202.D

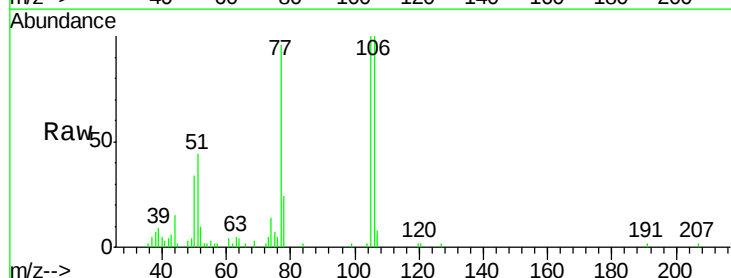
Acq: 06 Jul 2018 05:27

Tgt Ion:105 Resp: 4658

Ion Ratio Lower Upper

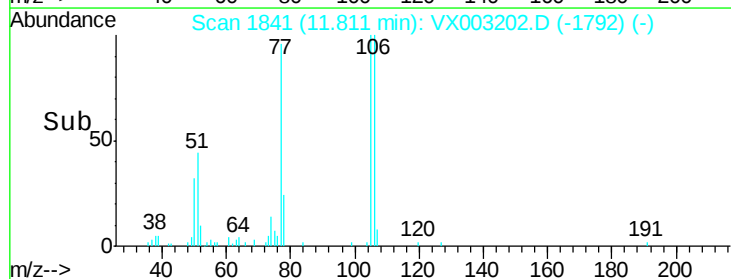
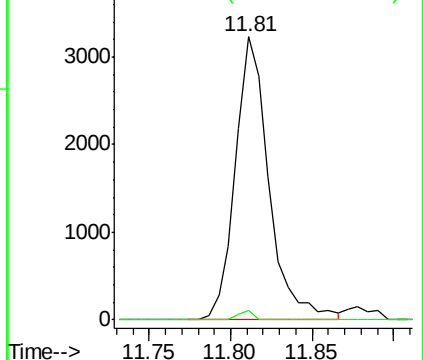
105 100

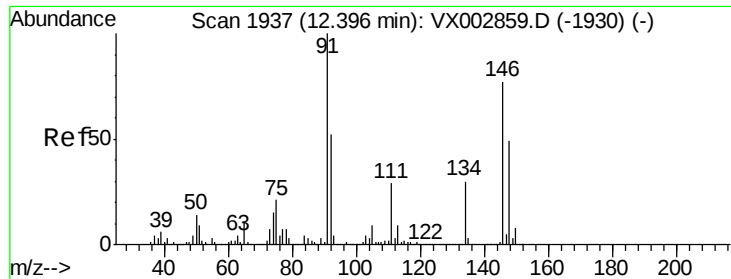
120 1.4 22.3 66.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#91

1,2-Dichlorobenzene

Concen: 1.38 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA\_X

ClientSampleId :

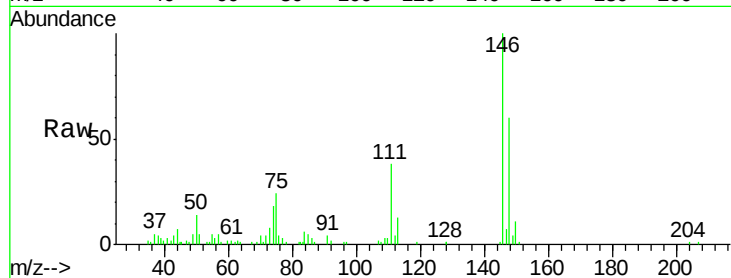
Tot Ion:146 Resp: 9824

Ion Ratio Lower Upper

146 100

111 38.5 19.4 58.1

148 63.6 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

