

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\  
 Data File : VX002991.D  
 Acq On : 28 Jun 2018 17:54  
 Operator : JC/MD  
 Sample : J3711-02 10X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 QNWP8-27S-GW

Quant Time: Jun 29 06:10:52 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

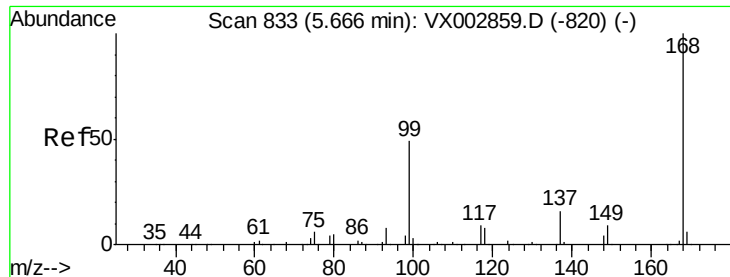
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 260466   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 367491   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 337017   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 193620   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 172502   | 47.92 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.84% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 140429   | 48.25 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.50% |      |
| 50) Toluene-d8              | 8.72   | 98  | 510195   | 48.01 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.02% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 184309   | 44.97 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.94% |      |

|                                |       |     |        |            |   |     |
|--------------------------------|-------|-----|--------|------------|---|-----|
| Target Compounds               |       |     |        | Qvalue     |   |     |
| 2) Dichlorodifluoromethane     | 1.20  | 85  | 120    | Below Cal  |   | 82  |
| 3) Chloromethane               | 1.32  | 50  | 36335  | 14.19 ug/l | # | 45  |
| 5) Bromomethane                | 1.65  | 94  | 1852   | Below Cal  |   | 97  |
| 6) Chloroethane                | 1.96  | 64  | 896    | Below Cal  | # | 49  |
| 10) Methyl Iodide              | 2.51  | 142 | 3644   | 7.32 ug/l  |   | 97  |
| 11) Tert butyl alcohol         | 3.03  | 59  | 4071   | 5.68 ug/l  | # | 85  |
| 13) Acrolein                   | 2.29  | 56  | 269    | 4.89 ug/l  |   | 94  |
| 15) Acrylonitrile              | 3.15  | 53  | 332    | 0.22 ug/l  | # | 84  |
| 16) Acetone                    | 2.45  | 43  | 1877   | 1.26 ug/l  |   | 94  |
| 17) Carbon Disulfide           | 2.57  | 76  | 8619   | 1.26 ug/l  |   | 97  |
| 19) Methyl tert-butyl Ether    | 3.21  | 73  | 6153   | 0.67 ug/l  |   | 96  |
| 20) Methylene Chloride         | 2.86  | 84  | 774    | 0.27 ug/l  | # | 81  |
| 29) Tetrahydrofuran            | 5.17  | 42  | 854    | 0.60 ug/l  | # | 41  |
| 36) 1,1-Dichloropropene        | 5.67  | 75  | 16961  | 4.21 ug/l  | # | 51  |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 23543  | 5.32 ug/l  | # | 17  |
| 40) Benzene                    | 6.15  | 78  | 950477 | 81.17 ug/l |   | 100 |
| 42) 1,2-Dichloroethane         | 6.15  | 62  | 9058   | 1.92 ug/l  | # | 77  |
| 49) 1,4-Dioxane                | 7.77  | 88  | 165    | 2.26 ug/l  | # | 15  |
| 52) Toluene                    | 8.79  | 92  | 8711   | 1.16 ug/l  |   | 98  |
| 67) Ethyl Benzene              | 10.26 | 91  | 141034 | 9.97 ug/l  |   | 99  |
| 68) m/p-Xylenes                | 10.36 | 106 | 6002   | 1.10 ug/l  |   | 95  |
| 69) o-Xylene                   | 10.70 | 106 | 7062   | 1.33 ug/l  |   | 99  |
| 73) Isopropylbenzene           | 11.02 | 105 | 24357  | 1.87 ug/l  |   | 100 |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75  | 94527  | 26.95 ug/l | # | 33  |
| 78) n-propylbenzene            | 11.37 | 91  | 6983   | 0.47 ug/l  |   | 96  |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75  | 94527  | 76.30 ug/l | # | 7   |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105 | 17100  | 1.50 ug/l  |   | 96  |
| 90) Hexachloroethane           | 12.76 | 117 | 12268  | 6.99 ug/l  | # | 1   |
| 92) 1,2-Dibromo-3-Chloropropan | 13.02 | 75  | 4617   | 5.12 ug/l  | # | 1   |
| 95) Naphthalene                | 13.84 | 128 | 451469 | 34.06 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: VX002991.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA\_X

ClientSampleId :

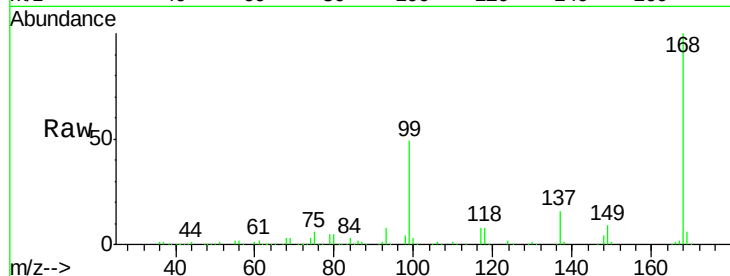
QNWP8-27S-GW

Tot Ion:168 Resp: 260466

Ion Ratio Lower Upper

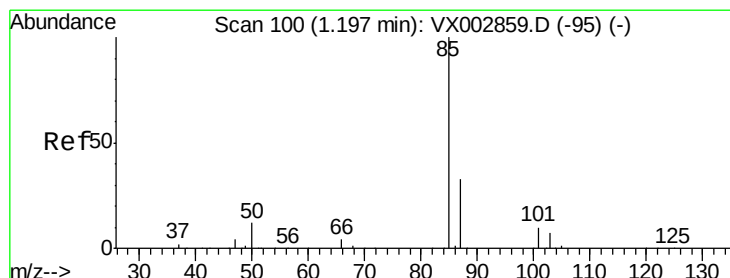
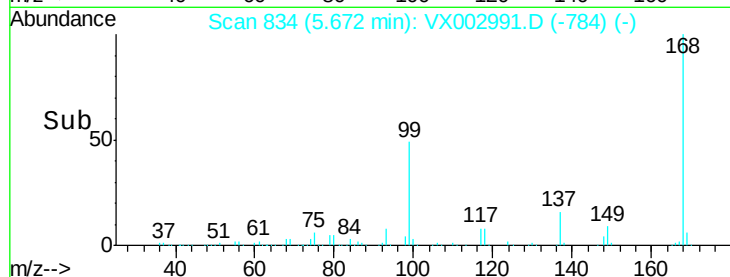
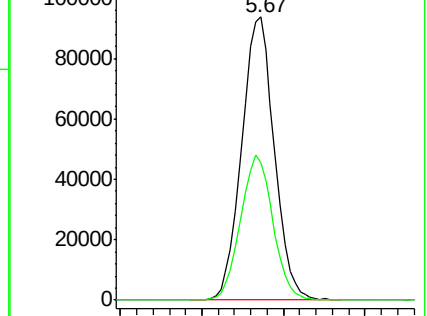
168 100

99 48.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002991.D

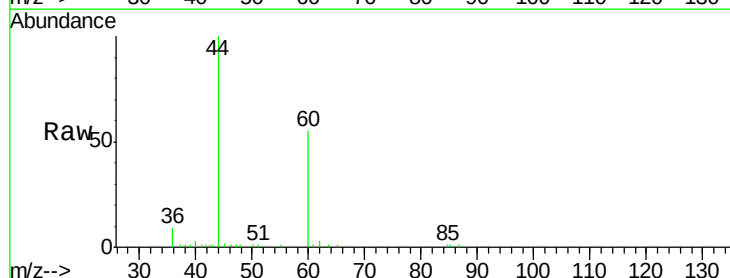
Acq: 28 Jun 2018 17:54

Tgt Ion: 85 Resp: 120

Ion Ratio Lower Upper

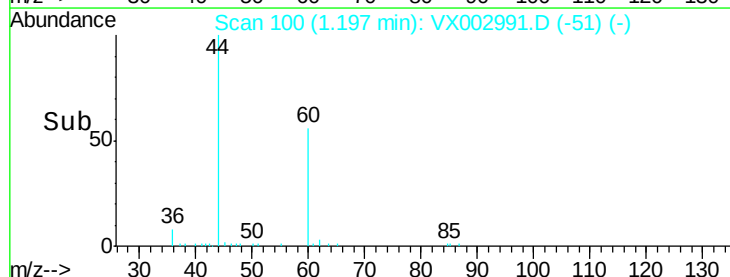
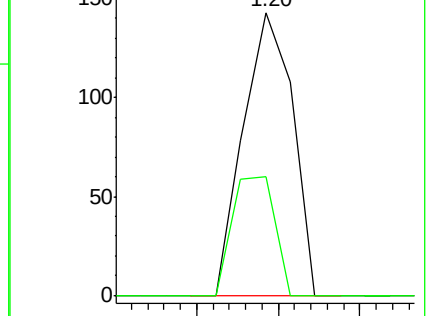
85 100

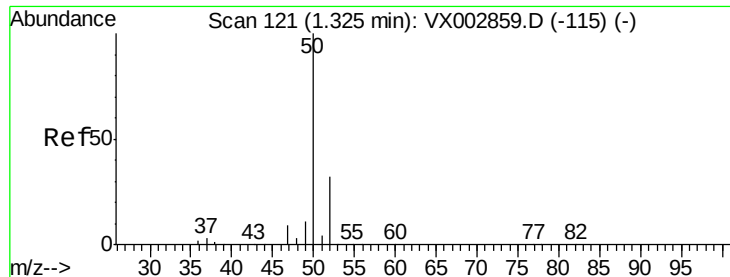
87 42.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 14.19 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA\_X

ClientSampleId :

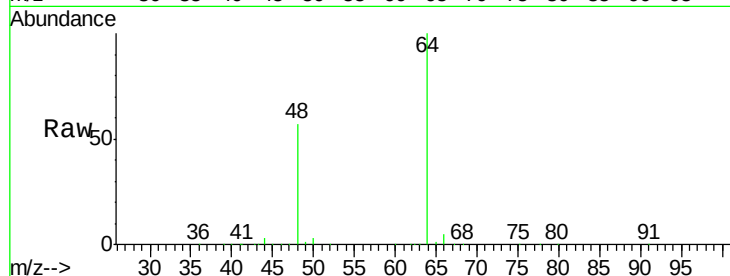
QNWP8-27S-GW

Tot Ion: 50 Resp: 36335

Ion Ratio Lower Upper

50 100

52 1.6 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

8000

6000

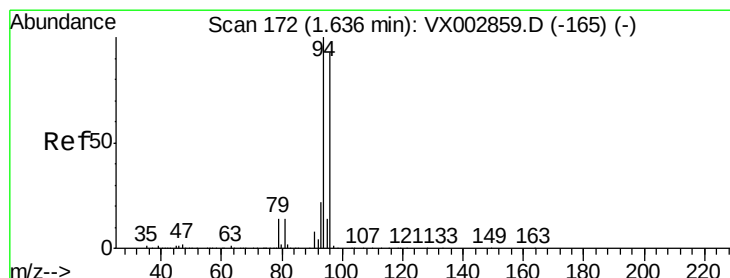
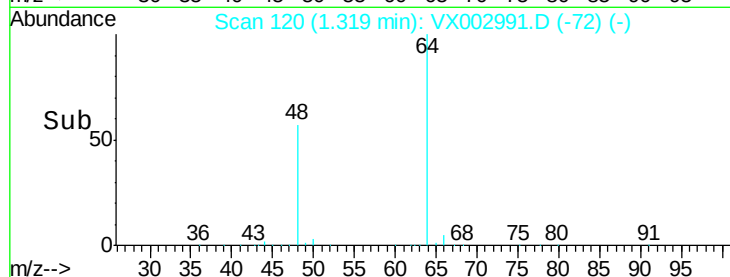
4000

2000

0

Time-->

1.20 1.30 1.40 1.50



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002991.D

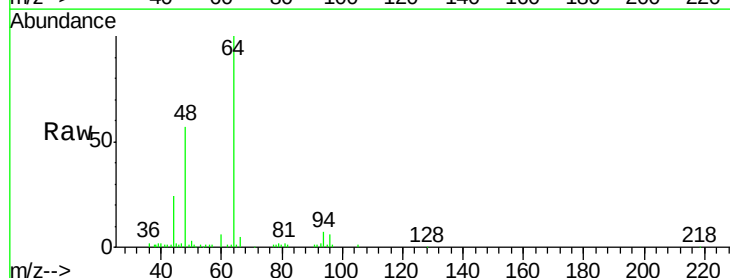
Acq: 28 Jun 2018 17:54

Tgt Ion: 94 Resp: 1852

Ion Ratio Lower Upper

94 100

96 96.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1000

800

600

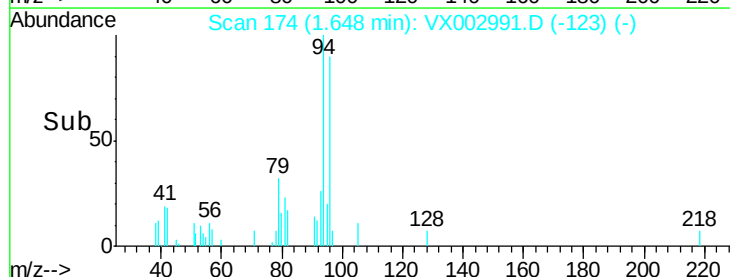
400

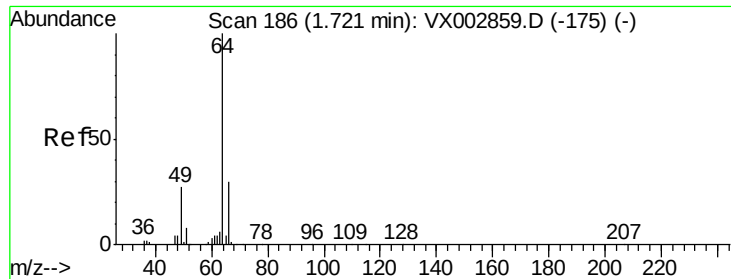
200

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.96 min Scan# 225

Delta R.T. 0.24 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA\_X

ClientSampleId :

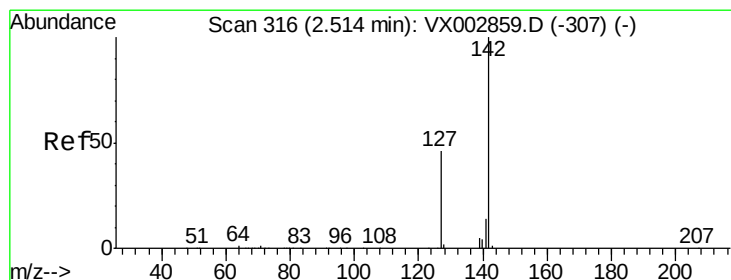
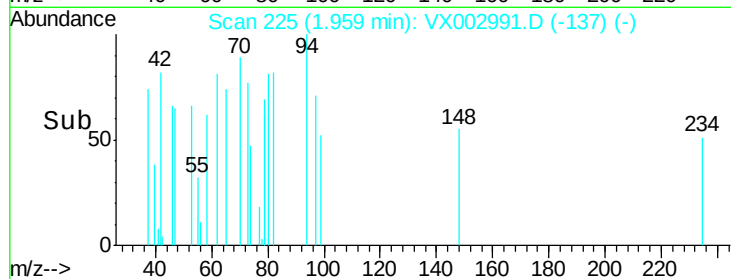
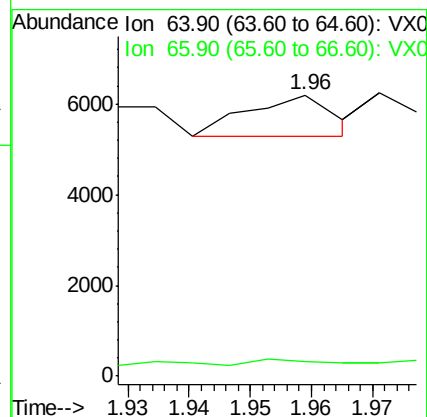
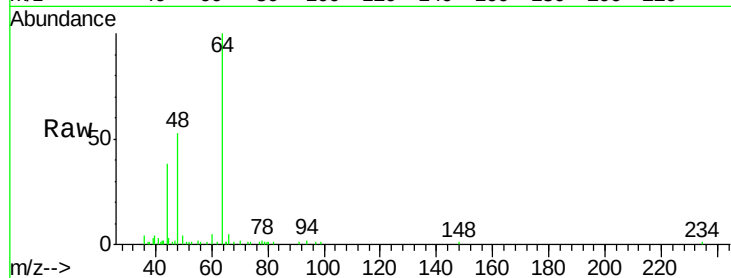
QNWP8-27S-GW

Tot Ion: 64 Resp: 896

Ion Ratio Lower Upper

64 100

66 3.6 25.5 38.3#



#10

Methyl Iodide

Concen: 7.32 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

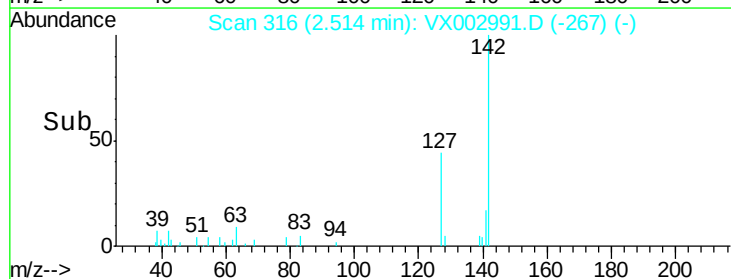
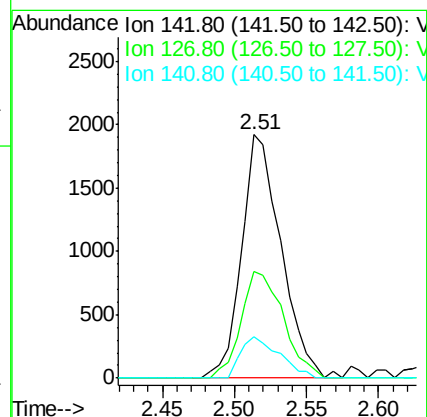
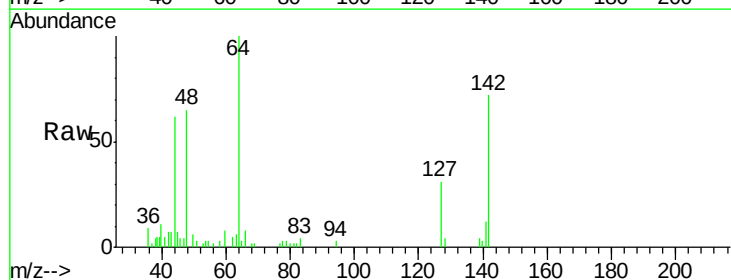
Tgt Ion:142 Resp: 3644

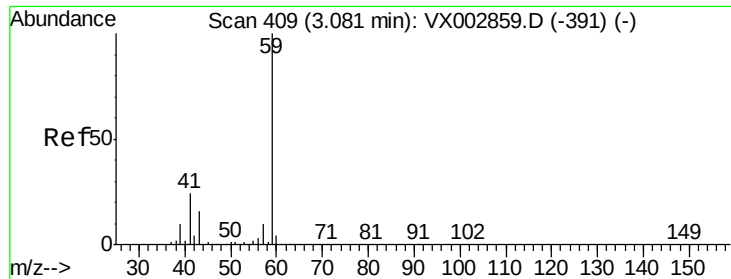
Ion Ratio Lower Upper

142 100

127 46.8 36.6 55.0

141 16.7 11.3 16.9



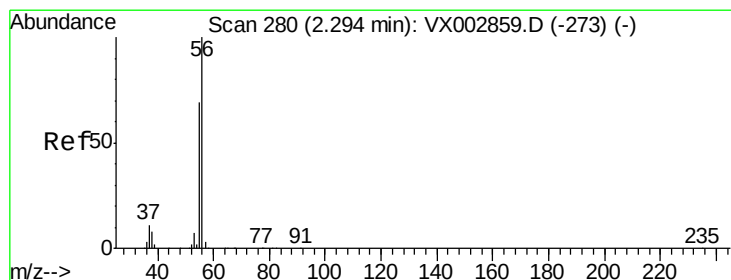
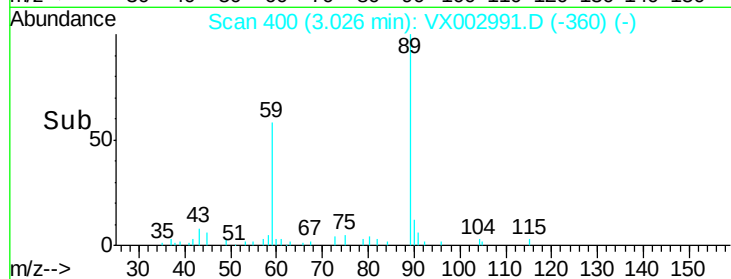
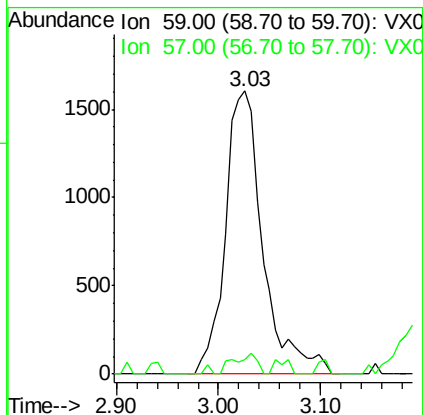
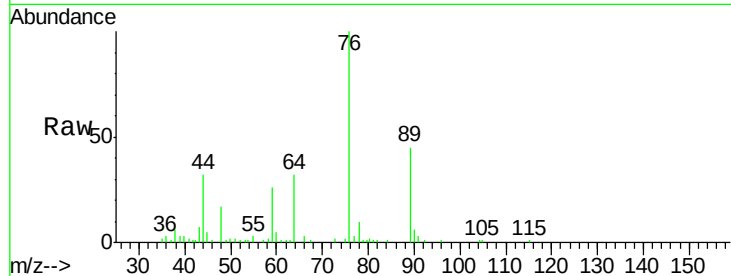


#11

Tert butyl alcohol  
 Concen: 5.68 ug/l  
 RT: 3.03 min Scan# 400  
 Delta R.T. -0.05 min  
 Lab File: VX002991.D  
 Acq: 28 Jun 2018 17:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 QNWP8-27S-GW

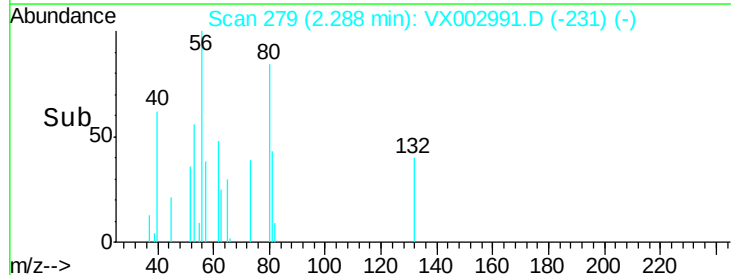
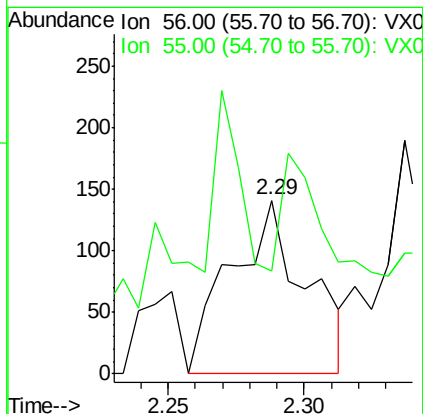
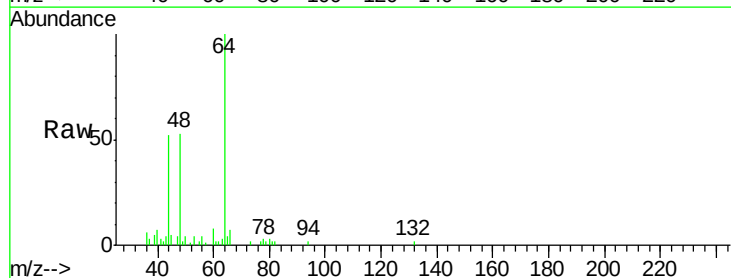
Tot Ion: 59 Resp: 4071  
 Ion Ratio Lower Upper  
 59 100  
 57 4.5 8.2 12.2#

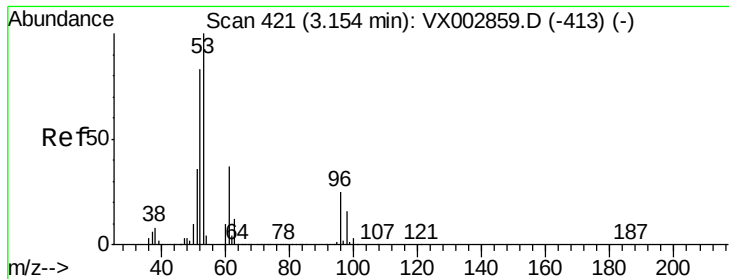


#13

Acrolein  
 Concen: 4.89 ug/l  
 RT: 2.29 min Scan# 279  
 Delta R.T. -0.01 min  
 Lab File: VX002991.D  
 Acq: 28 Jun 2018 17:54

Tgt Ion: 56 Resp: 269  
 Ion Ratio Lower Upper  
 56 100  
 55 76.6 57.0 85.4





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA\_X

ClientSampleId :

QNWP8-27S-GW

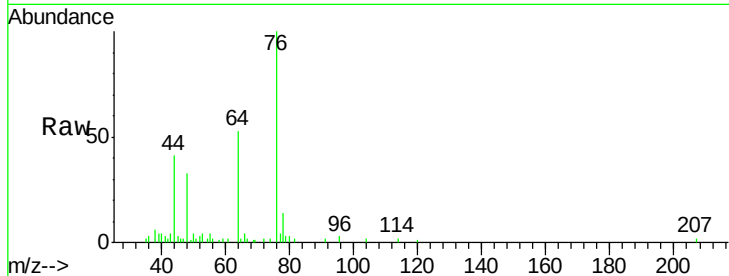
Tot Ion: 53 Resp: 332

Ion Ratio Lower Upper

53 100

52 70.5 66.7 100.1

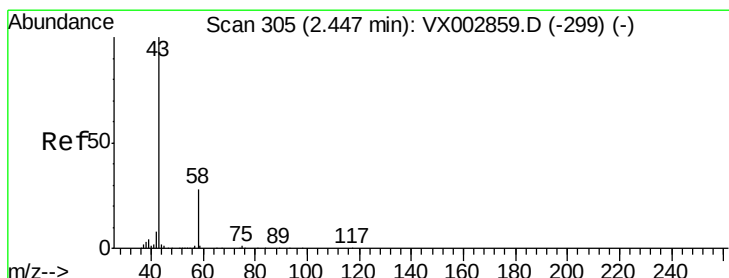
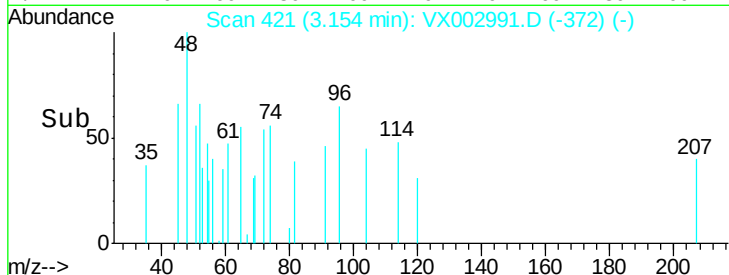
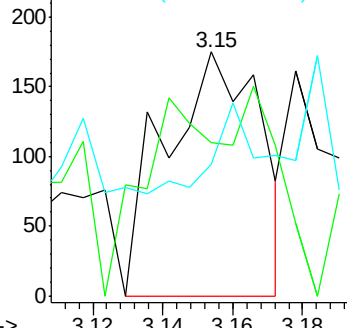
51 25.0 29.9 44.9#



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: 1.26 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX002991.D

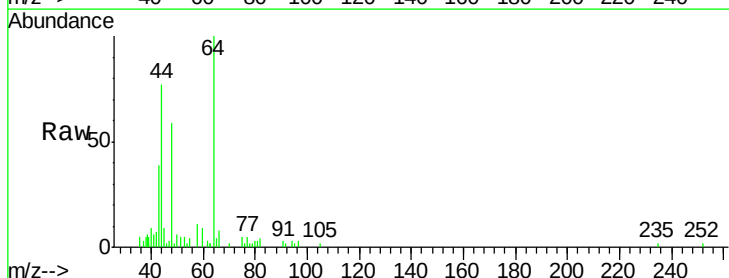
Acq: 28 Jun 2018 17:54

Tgt Ion: 43 Resp: 1877

Ion Ratio Lower Upper

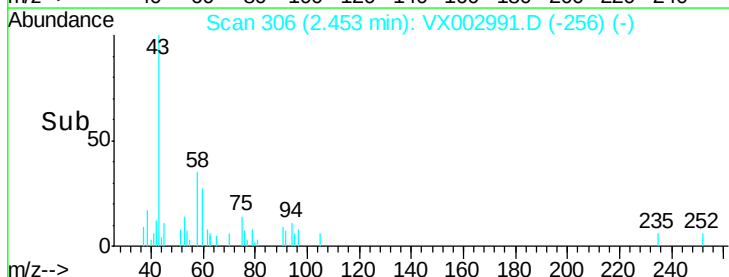
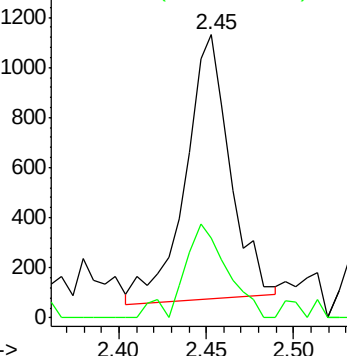
43 100

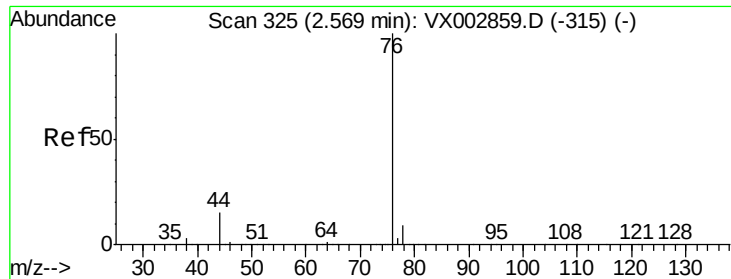
58 30.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

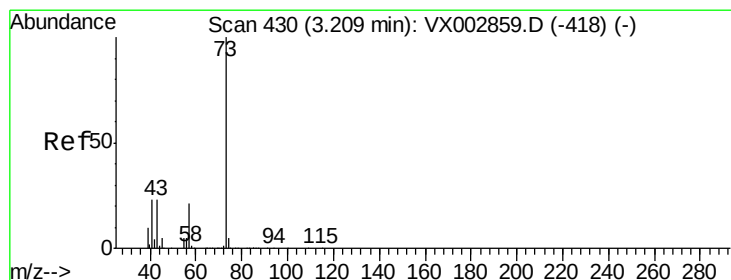
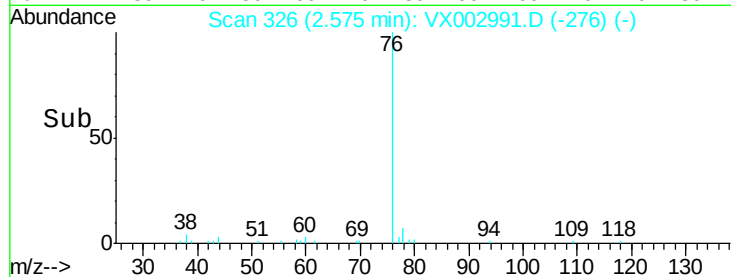
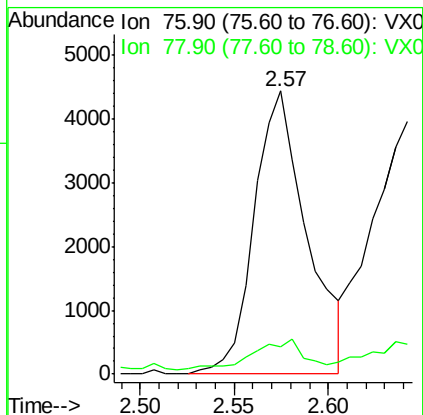
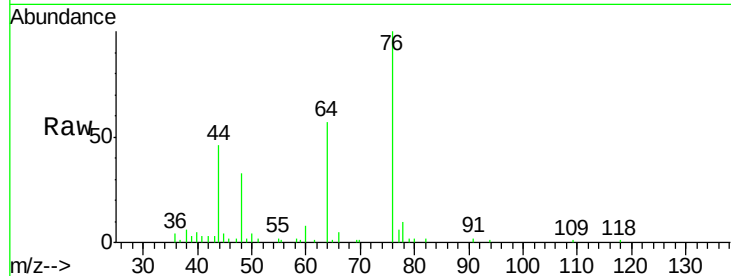




#17  
Carbon Disulfide  
Concen: 1.26 ug/l  
RT: 2.57 min Scan# 326  
Delta R.T. 0.01 min  
Lab File: VX002991.D  
Acq: 28 Jun 2018 17:54

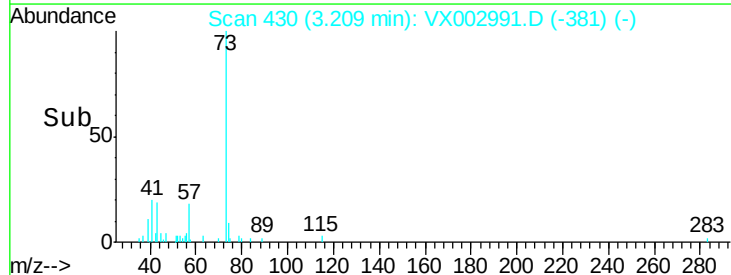
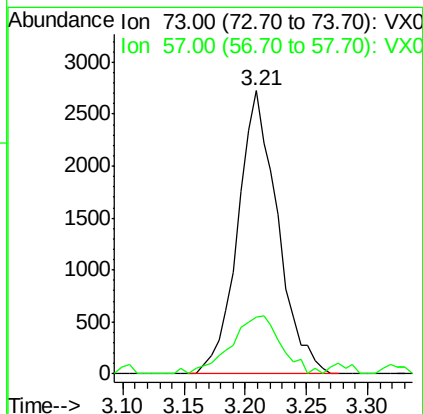
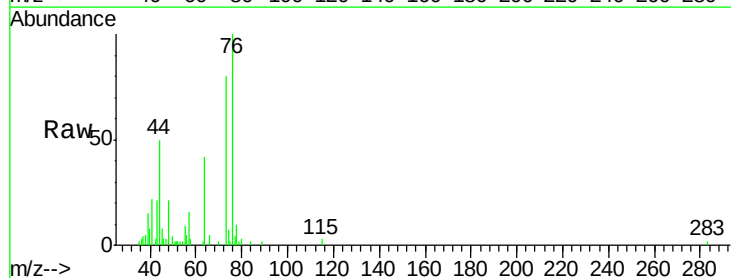
Instrument :  
MSVOA\_X  
ClientSampleId :  
QNWP8-27S-GW

Tot Ion: 76 Resp: 8619  
Ion Ratio Lower Upper  
76 100  
78 7.6 6.9 10.3

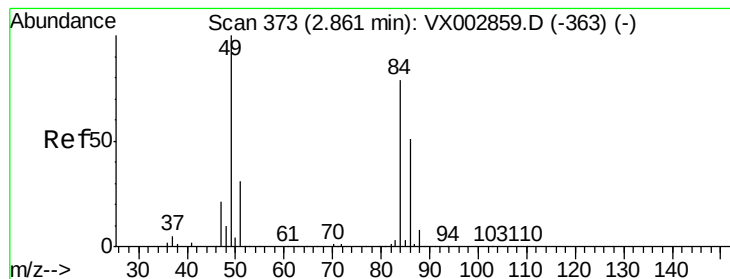


#19  
Methyl tert-butyl Ether  
Concen: 0.67 ug/l  
RT: 3.21 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: VX002991.D  
Acq: 28 Jun 2018 17:54

Tgt Ion: 73 Resp: 6153  
Ion Ratio Lower Upper  
73 100  
57 20.2 17.7 26.5







#20

Methvlene Chloride

Concen: 0.27 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA\_X

ClientSampleId :

QNWP8-27S-GW

Tot Ion: 84 Resp: 774

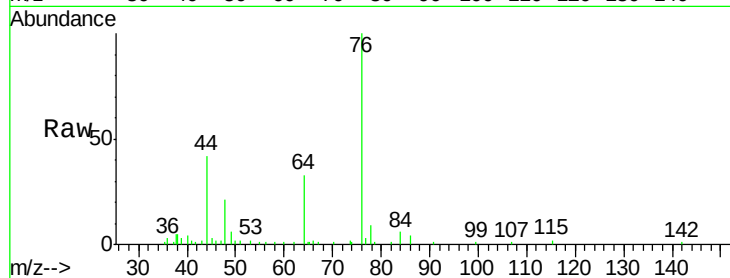
Ion Ratio Lower Upper

84 100

49 96.0 107.8 161.6#

51 43.7 32.8 49.2

86 64.3 52.5 78.7

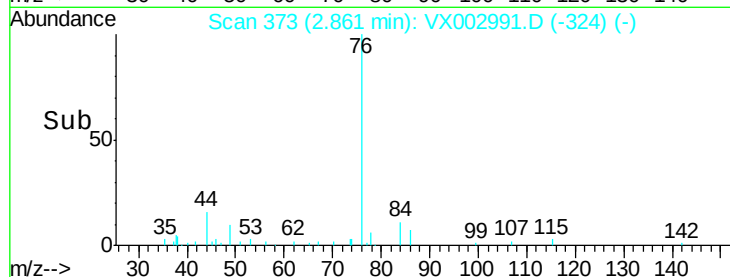
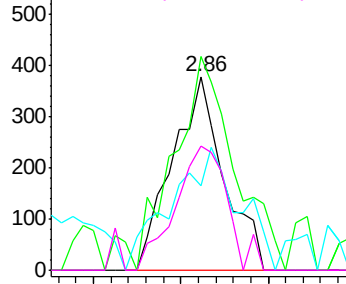


Abundance Ion 83.90 (83.60 to 84.60): VX0

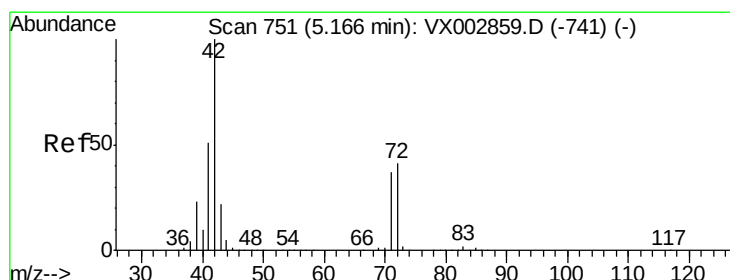
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.60 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

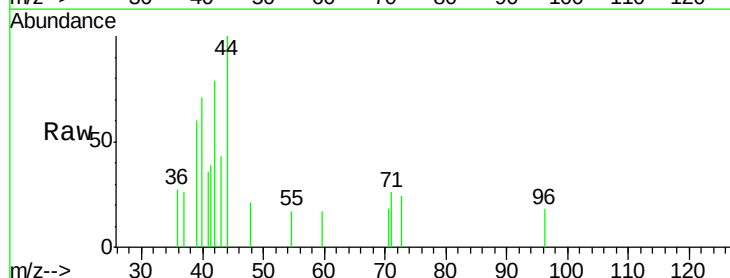
Tgt Ion: 42 Resp: 854

Ion Ratio Lower Upper

42 100

72 6.1 32.0 48.0#

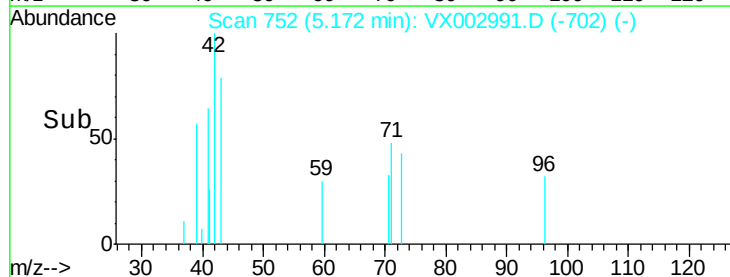
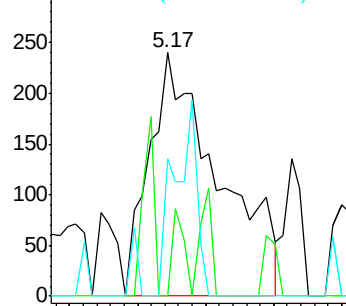
71 0.0 30.1 45.1#



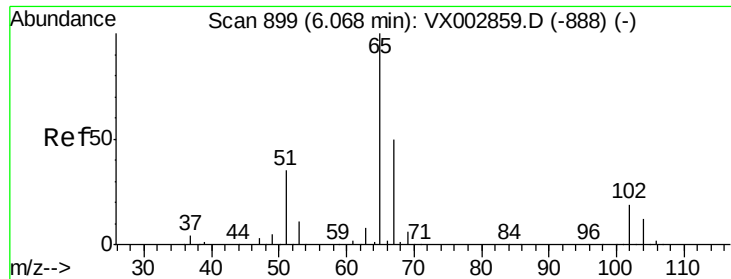
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



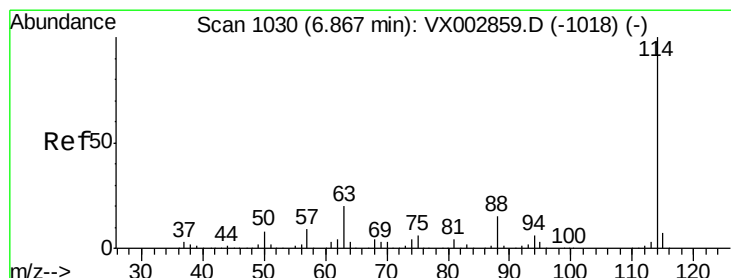
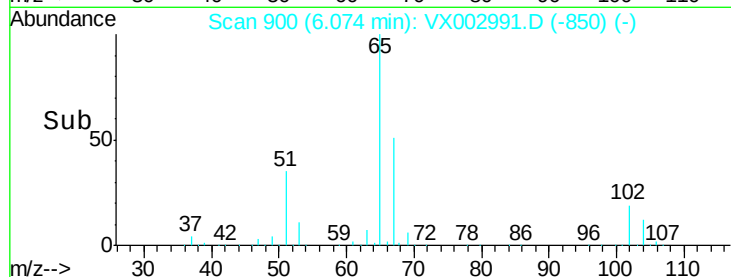
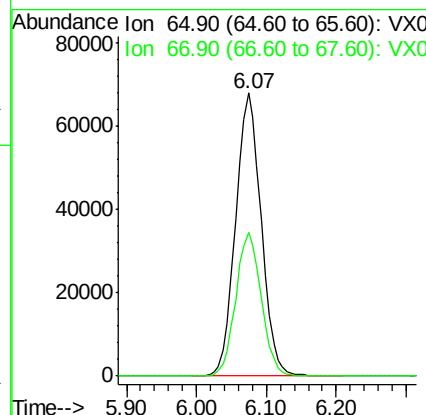
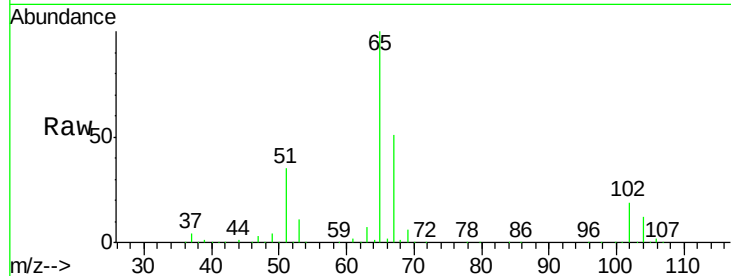
Time-->



#33  
 1,2-Dichloroethane-d4  
 Concen: 47.92 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.01 min  
 Lab File: VX002991.D  
 Acq: 28 Jun 2018 17:54

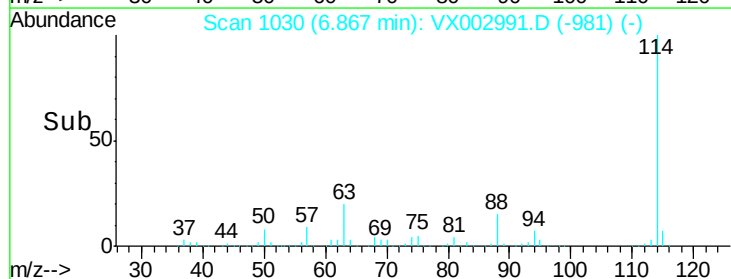
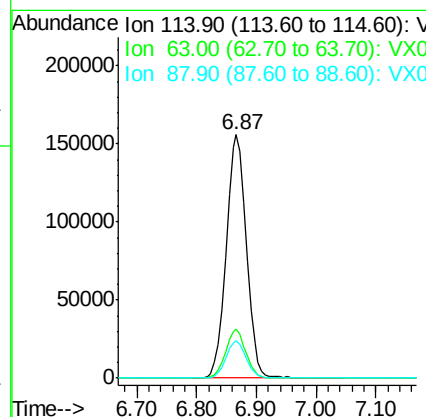
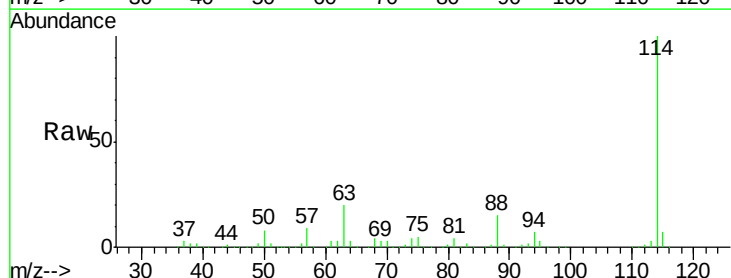
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 QNWP8-27S-GW

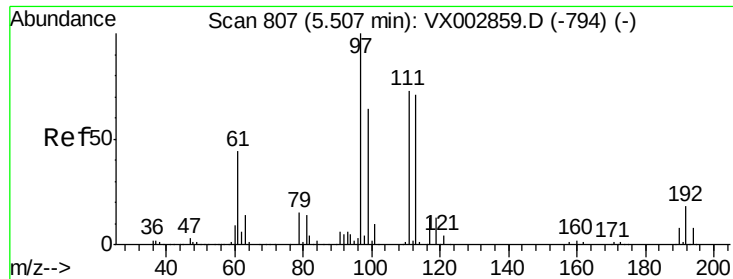
Tot Ion: 65 Resp: 172502  
 Ion Ratio Lower Upper  
 65 100  
 67 50.8 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX002991.D  
 Acq: 28 Jun 2018 17:54

Tgt Ion: 114 Resp: 367491  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 41.4  
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.25 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA\_X

ClientSampleId :

QNWP8-27S-GW

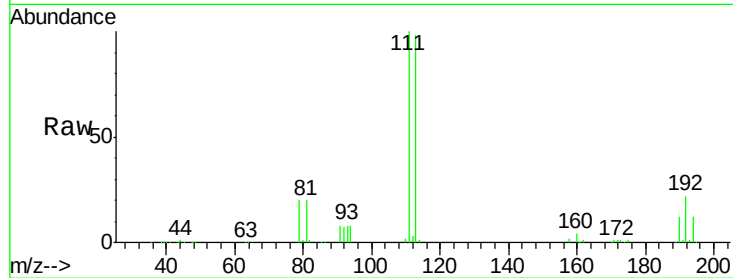
Tot Ion:113 Resp: 140429

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

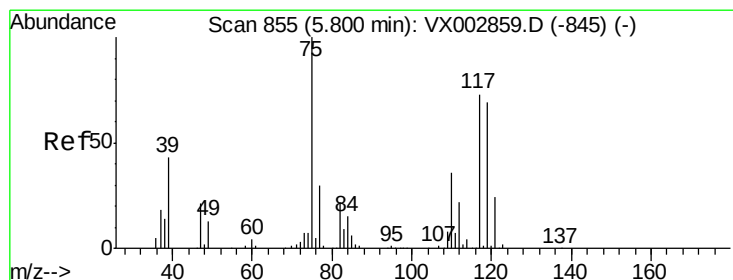
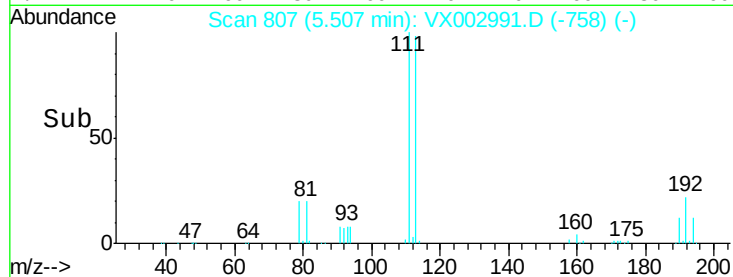
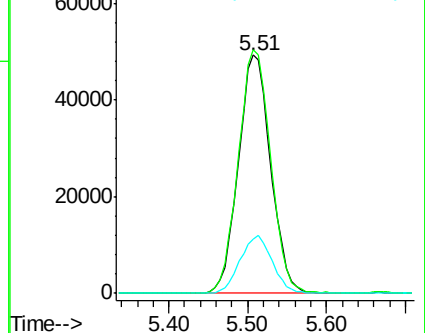
192 24.1 19.1 28.7



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: 4.21 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

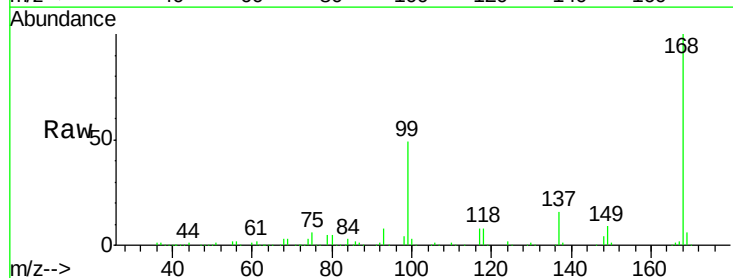
Tgt Ion: 75 Resp: 16961

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.4#

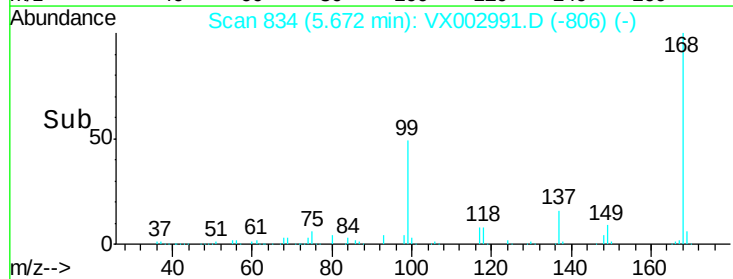
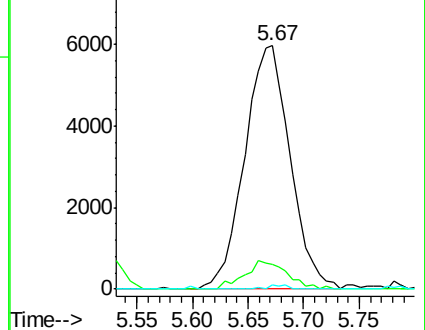
77 0.0 24.3 36.5#

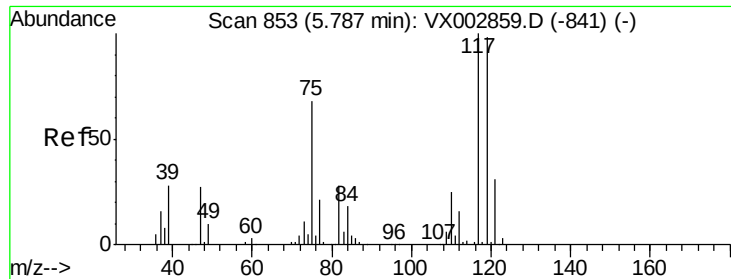


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

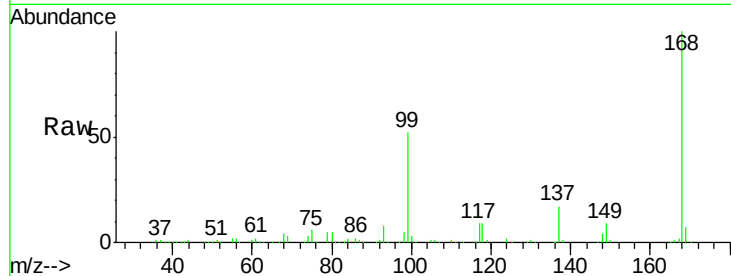




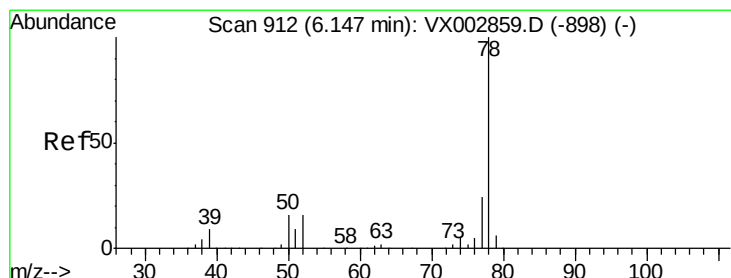
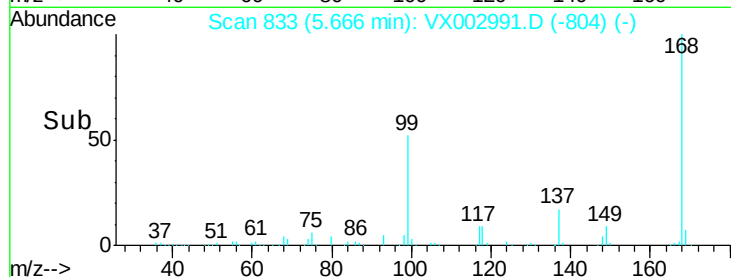
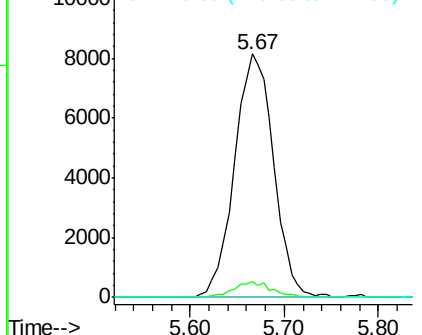
#38  
Carbon Tetrachloride  
Concen: 5.32 ug/l  
RT: 5.67 min Scan# 833  
Delta R.T. -0.12 min  
Lab File: VX002991.D  
Acq: 28 Jun 2018 17:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
QNWP8-27S-GW

Tot Ion:117 Resp: 23543  
Ion Ratio Lower Upper  
117 100  
119 6.7 77.4 116.0#  
121 0.0 24.4 36.6#

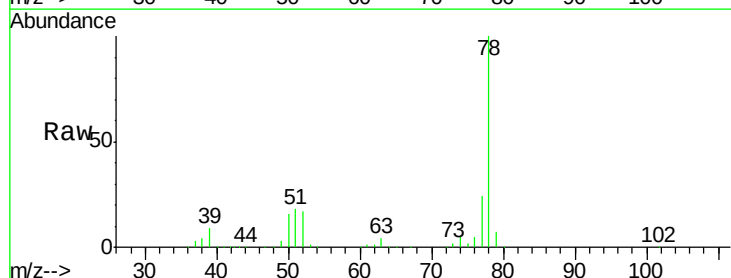


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

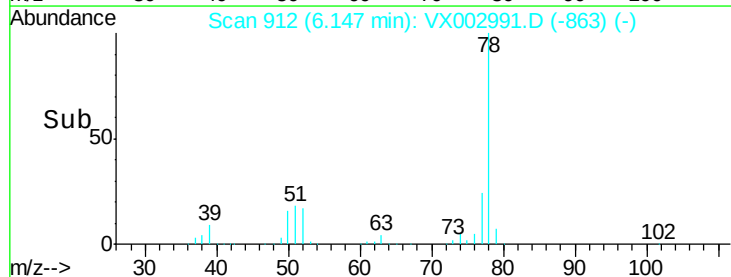
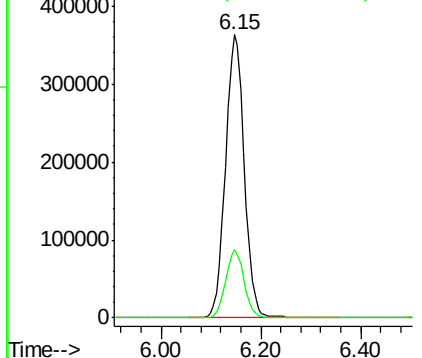


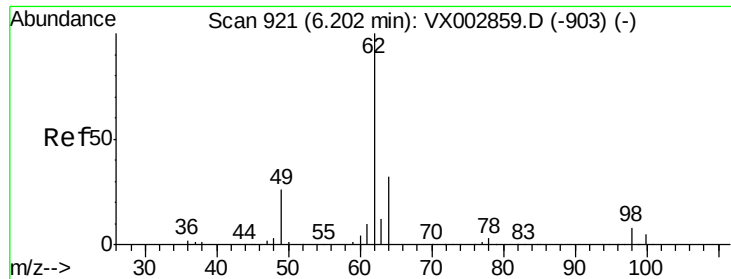
#40  
Benzene  
Concen: 81.17 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: VX002991.D  
Acq: 28 Jun 2018 17:54

Tgt Ion: 78 Resp: 950477  
Ion Ratio Lower Upper  
78 100  
77 24.0 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0  
Ion 77.00 (76.70 to 77.70): VX0

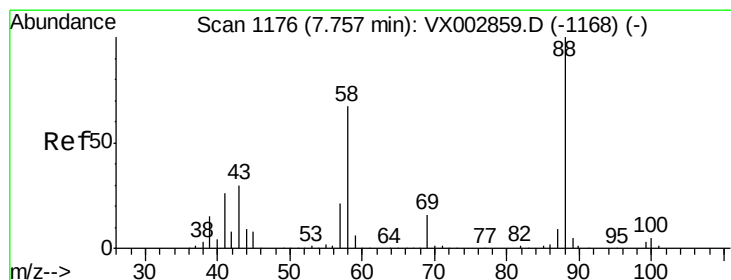
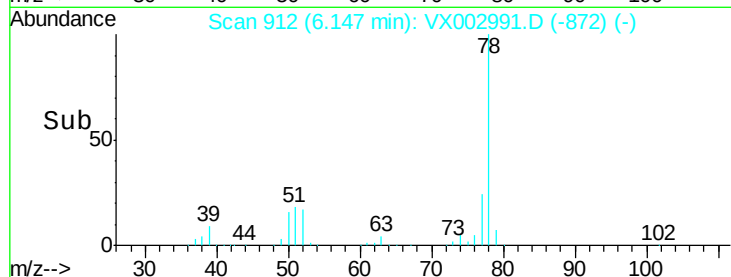
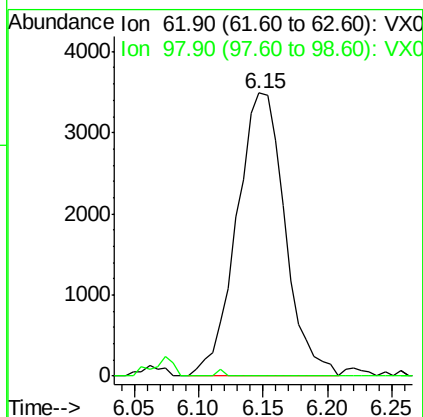
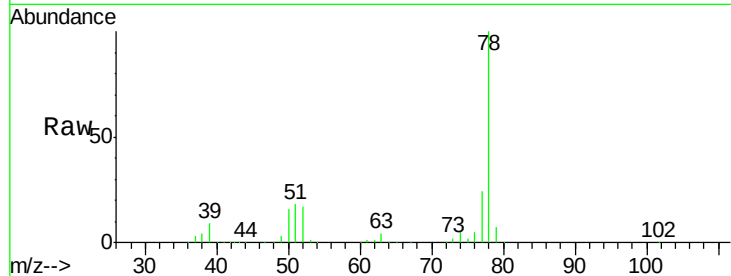




#42  
 1,2-Dichloroethane  
 Concen: 1.92 ug/l  
 RT: 6.15 min Scan# 912  
 Delta R.T. -0.05 min  
 Lab File: VX002991.D  
 Acq: 28 Jun 2018 17:54

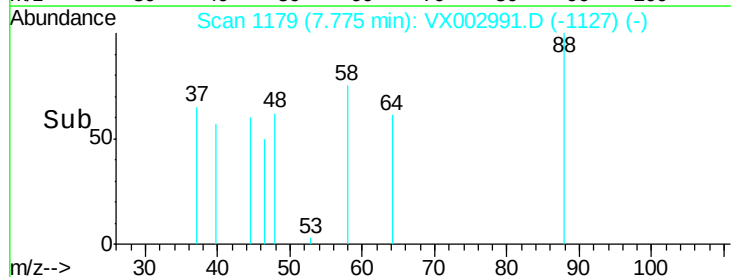
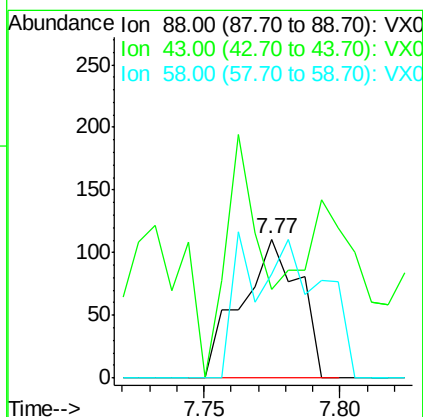
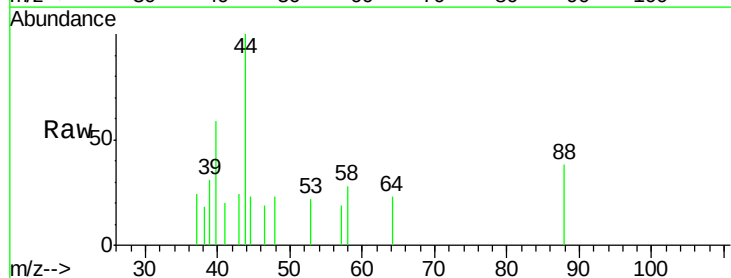
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 QNWP8-27S-GW

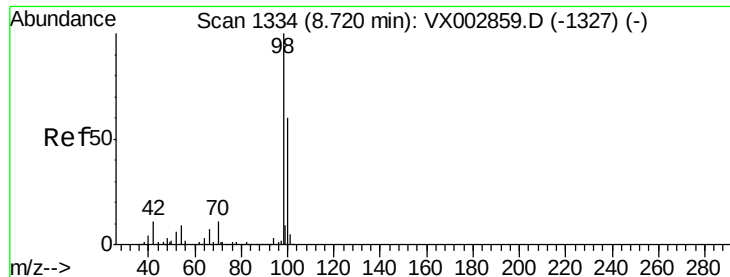
Tot Ion: 62 Resp: 9058  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 0.0 16.6



#49  
 1,4-Dioxane  
 Concen: 2.26 ug/l  
 RT: 7.77 min Scan# 1179  
 Delta R.T. 0.02 min  
 Lab File: VX002991.D  
 Acq: 28 Jun 2018 17:54

Tgt Ion: 88 Resp: 165  
 Ion Ratio Lower Upper  
 88 100  
 43 101.8 29.8 44.6#  
 58 131.5 57.1 85.7#

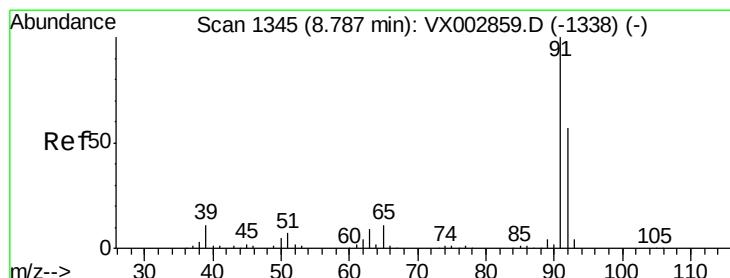
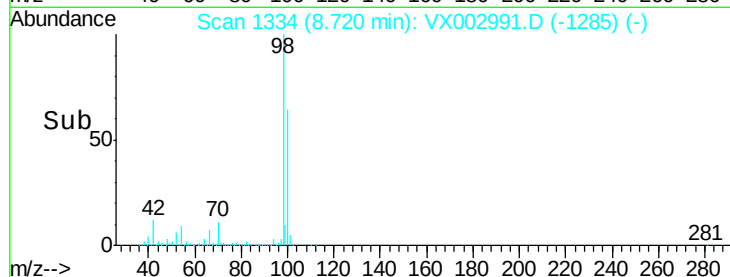
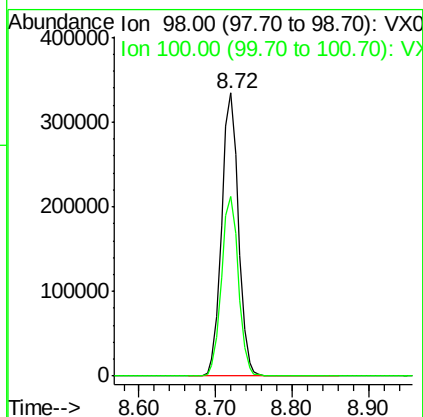
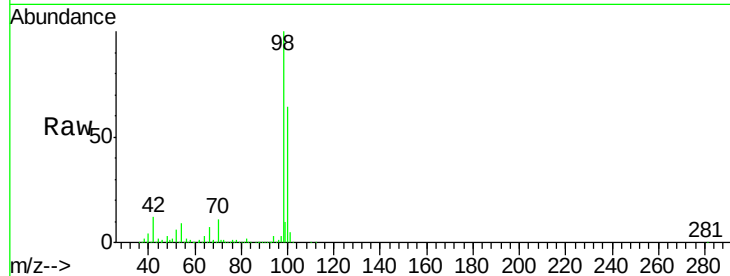




#50  
Toluene-d8  
Concen: 48.01 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX002991.D  
Acq: 28 Jun 2018 17:54

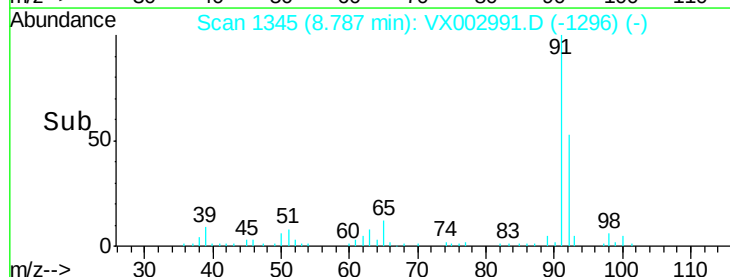
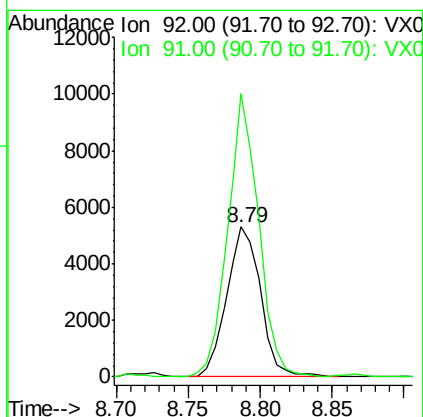
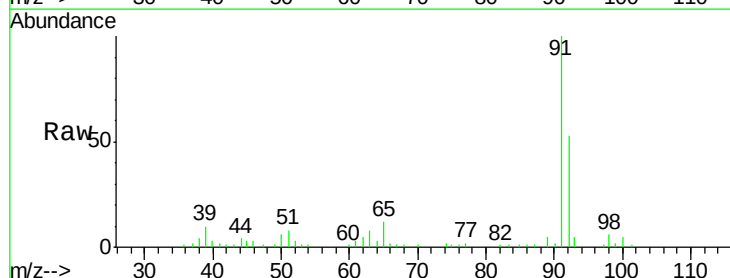
Instrument :  
MSVOA\_X  
ClientSampleId :  
QNWP8-27S-GW

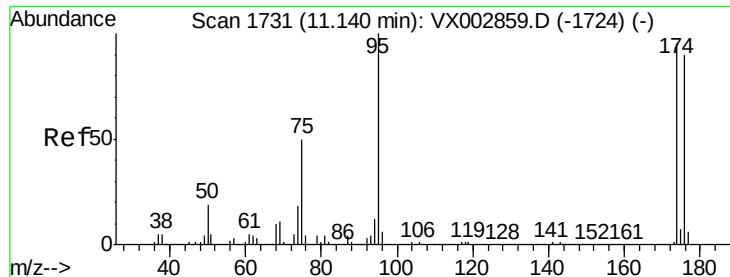
Tot Ion: 98 Resp: 510195  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.9 76.3



#52  
Toluene  
Concen: 1.16 ug/l  
RT: 8.79 min Scan# 1345  
Delta R.T. -0.00 min  
Lab File: VX002991.D  
Acq: 28 Jun 2018 17:54

Tgt Ion: 92 Resp: 8711  
Ion Ratio Lower Upper  
92 100  
91 172.5 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 44.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA\_X

ClientSampleId :

QNWP8-27S-GW

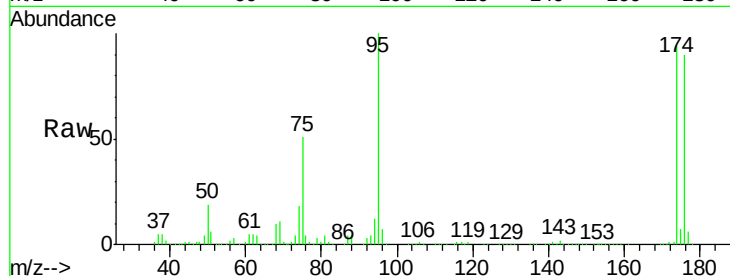
Tot Ion: 95 Resp: 184309

Ion Ratio Lower Upper

95 100

174 97.1 0.0 187.4

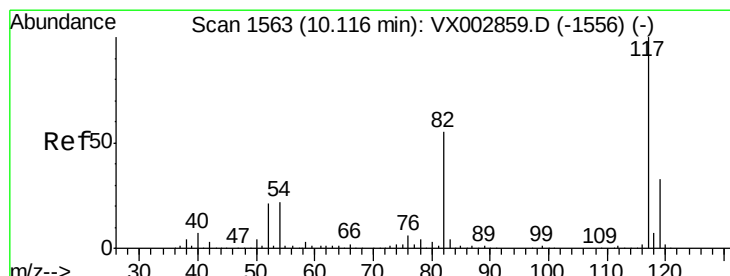
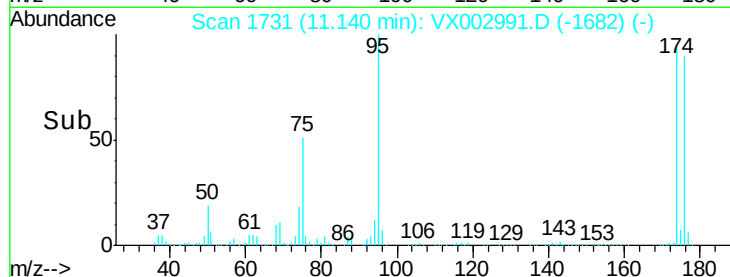
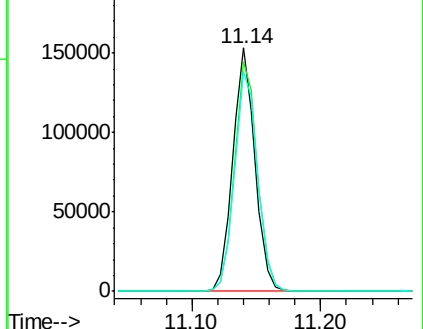
176 93.7 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

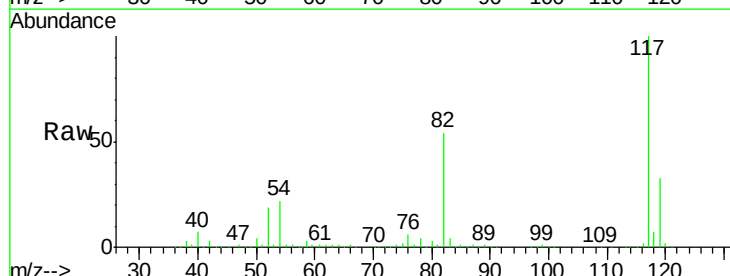
Tgt Ion: 117 Resp: 337017

Ion Ratio Lower Upper

117 100

82 54.5 45.0 67.4

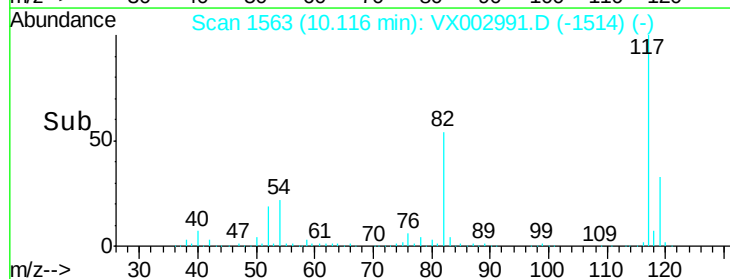
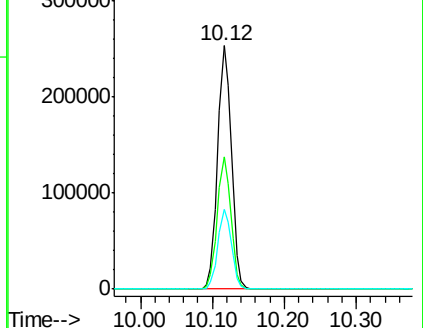
119 33.0 25.8 38.6

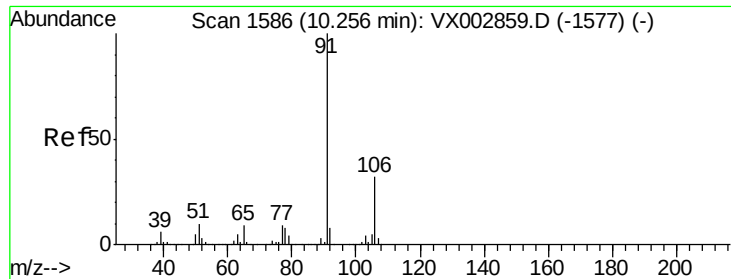


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)

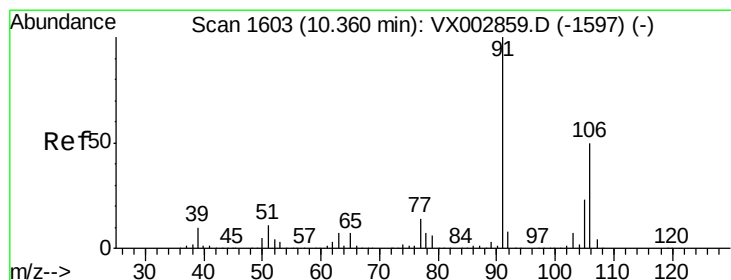
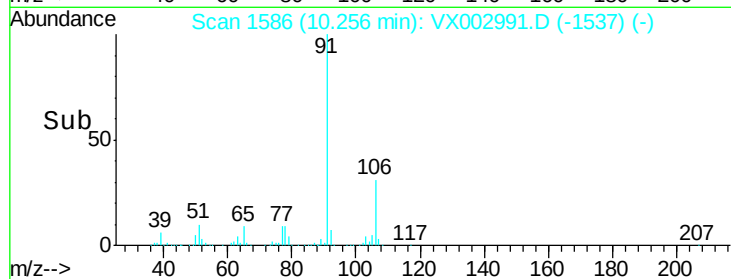
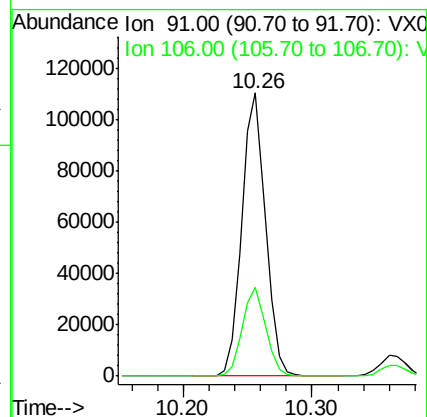
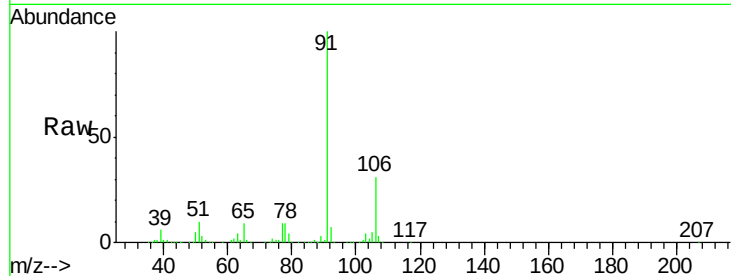




#67  
Ethyl Benzene  
Concen: 9.97 ug/l  
RT: 10.26 min Scan# 1586  
Delta R.T. -0.00 min  
Lab File: VX002991.D  
Acq: 28 Jun 2018 17:54

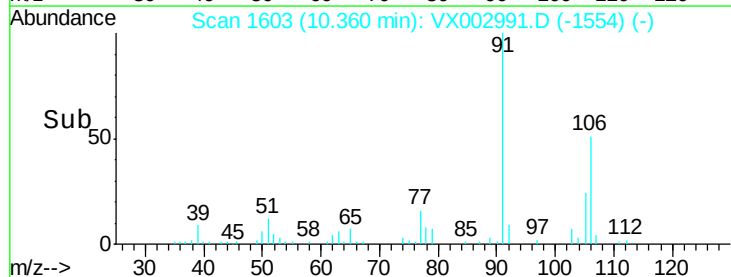
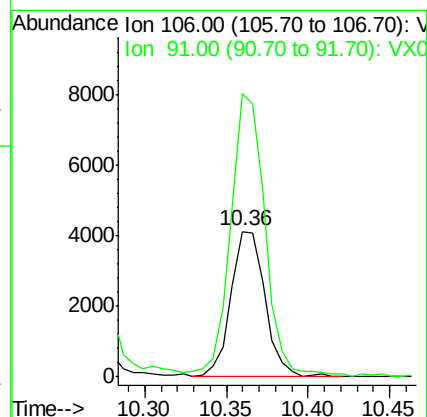
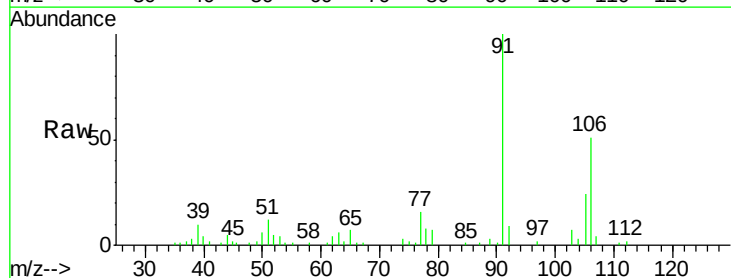
Instrument :  
MSVOA\_X  
ClientSampleId :  
QNWP8-27S-GW

Tot Ion: 91 Resp: 141034  
Ion Ratio Lower Upper  
91 100  
106 31.2 25.5 38.3

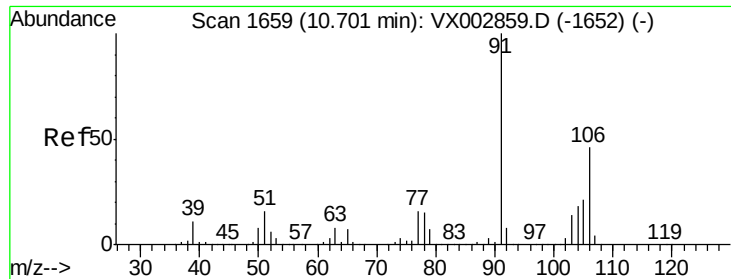


#68  
m/p-Xylenes  
Concen: 1.10 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: VX002991.D  
Acq: 28 Jun 2018 17:54

Tgt Ion: 106 Resp: 6002  
Ion Ratio Lower Upper  
106 100  
91 197.0 163.4 245.2



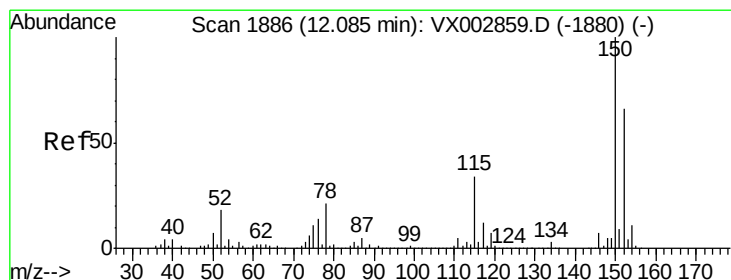
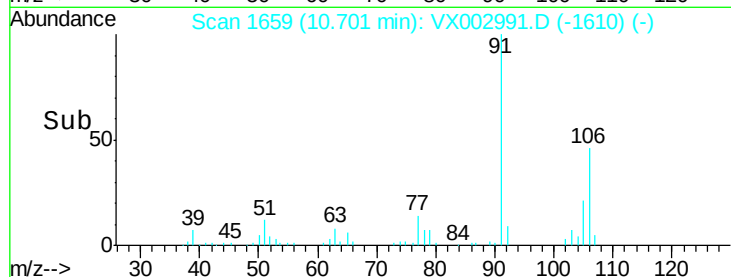
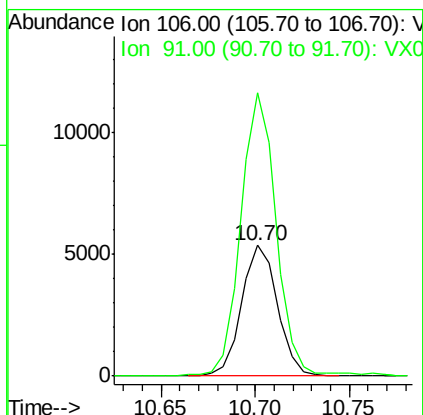
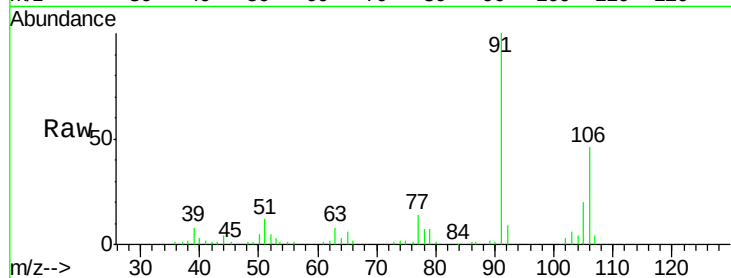




#69  
o-Xylene  
Concen: 1.33 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VX002991.D  
Acq: 28 Jun 2018 17:54

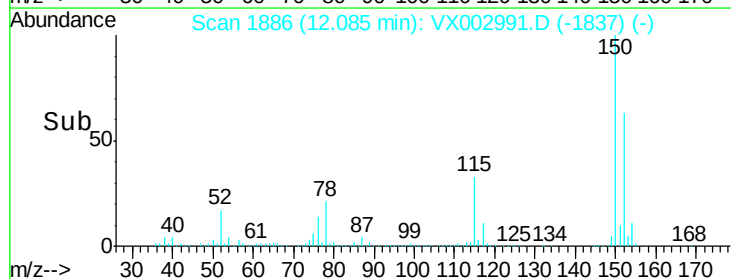
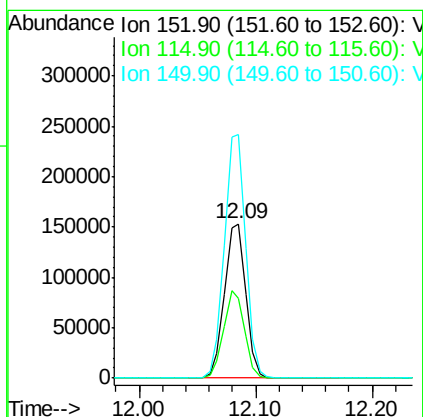
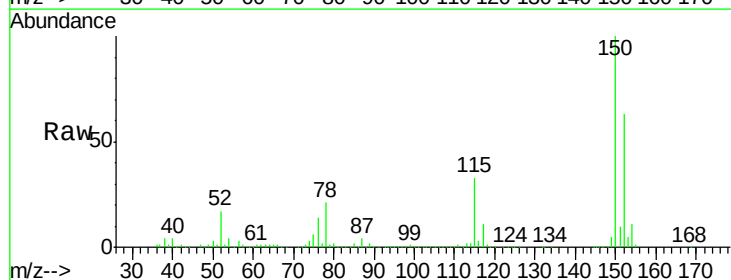
Instrument :  
MSVOA\_X  
ClientSampleId :  
QNWP8-27S-GW

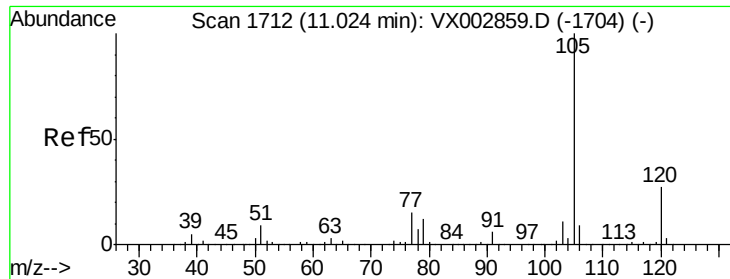
Tot Ion:106 Resp: 7062  
Ion Ratio Lower Upper  
106 100  
91 215.3 108.2 324.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX002991.D  
Acq: 28 Jun 2018 17:54

Tgt Ion:152 Resp: 193620  
Ion Ratio Lower Upper  
152 100  
115 55.3 40.1 120.2  
150 158.1 0.0 347.2





#73

Isopropylbenzene

Concen: 1.87 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA\_X

ClientSampleId :

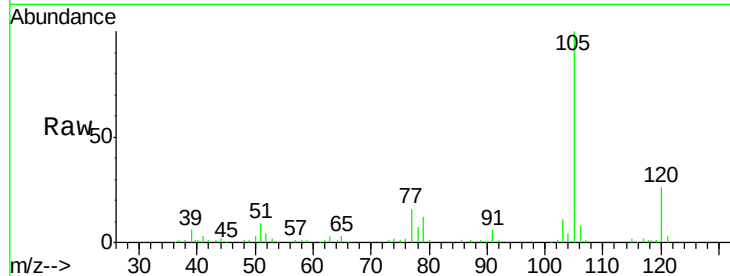
QNWP8-27S-GW

Tot Ion:105 Resp: 24357

Ion Ratio Lower Upper

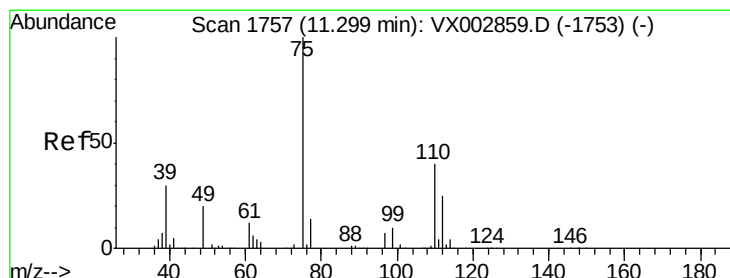
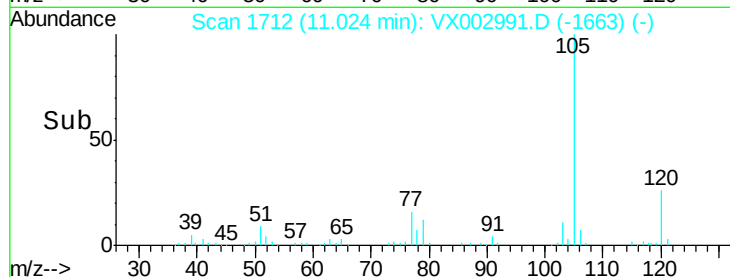
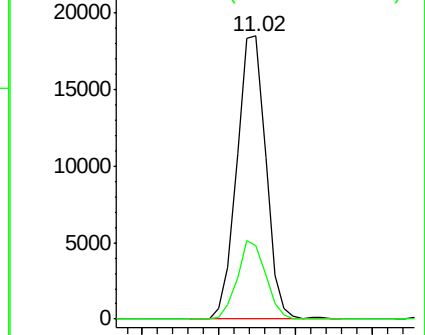
105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 26.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002991.D

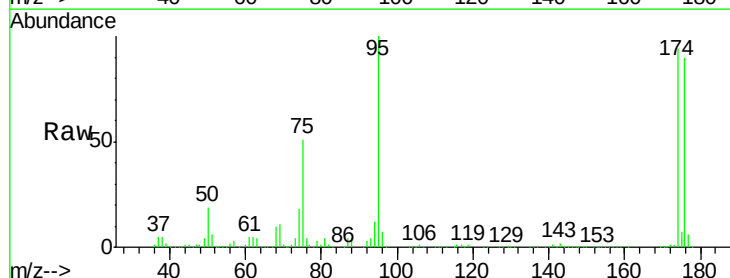
Acq: 28 Jun 2018 17:54

Tgt Ion: 75 Resp: 94527

Ion Ratio Lower Upper

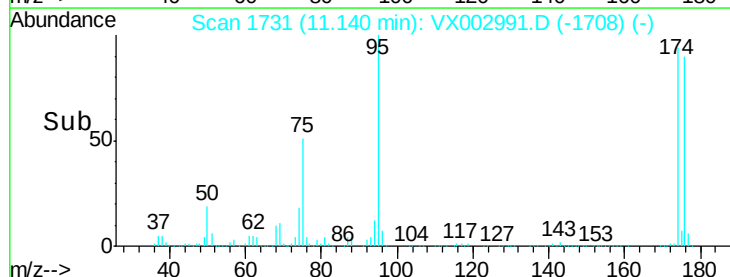
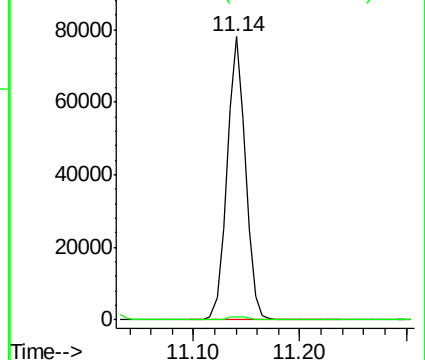
75 100

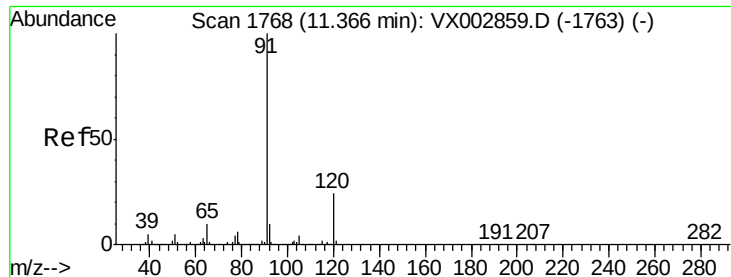
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.47 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA\_X

ClientSampleId :

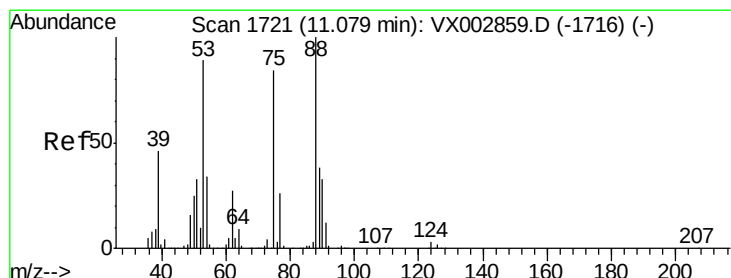
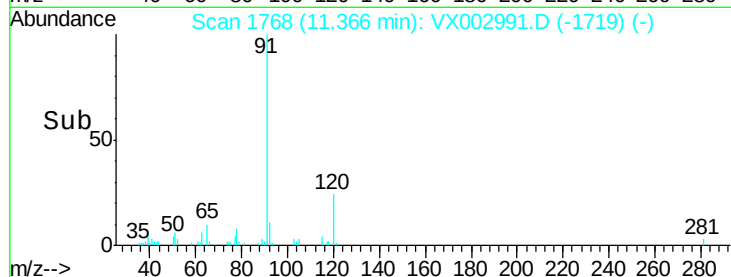
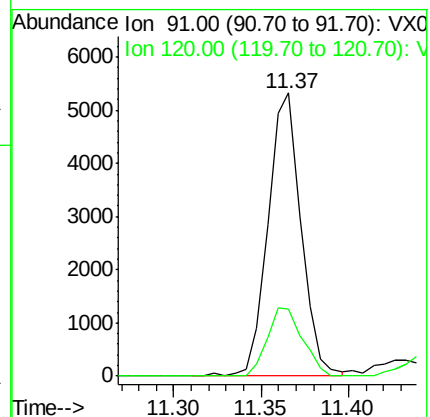
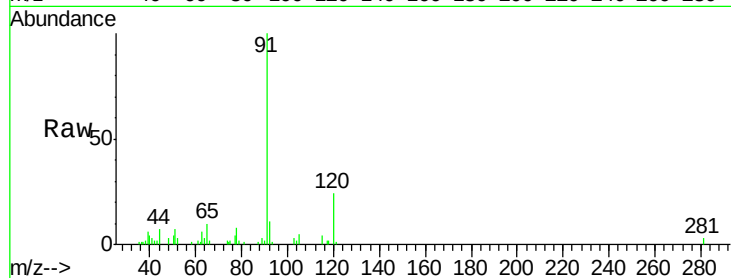
QNWP8-27S-GW

Tot Ion: 91 Resp: 6983

Ion Ratio Lower Upper

91 100

120 25.7 11.8 35.4



#81

trans-1,4-Dichloro-2-butene

Concen: 76.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002991.D

Acq: 28 Jun 2018 17:54

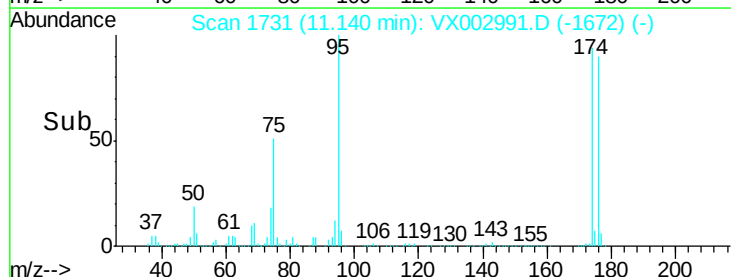
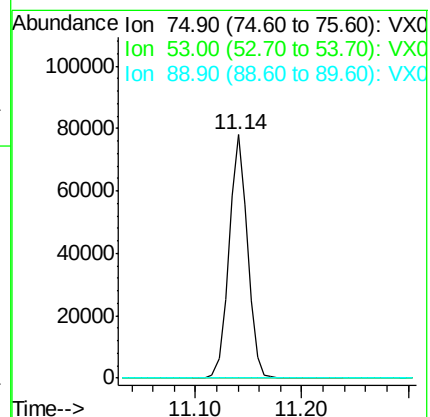
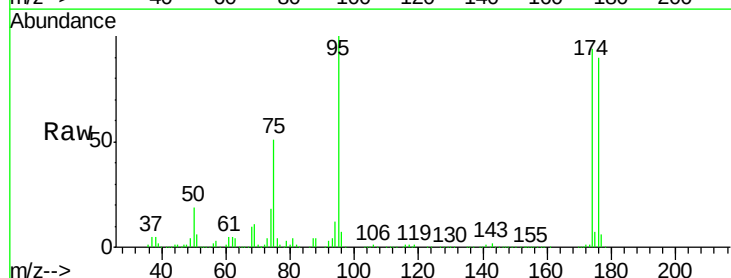
Tgt Ion: 75 Resp: 94527

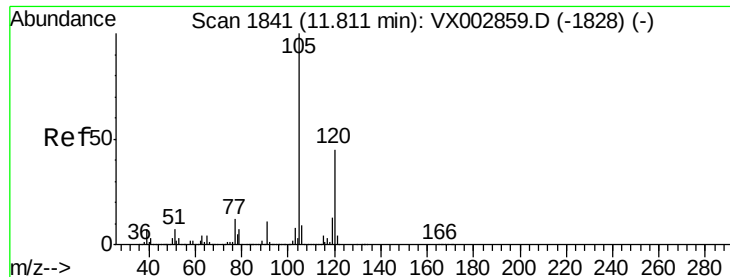
Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

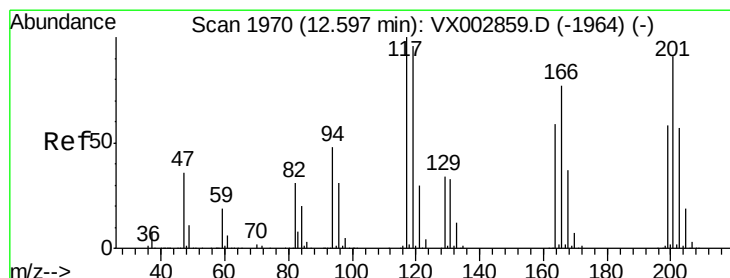
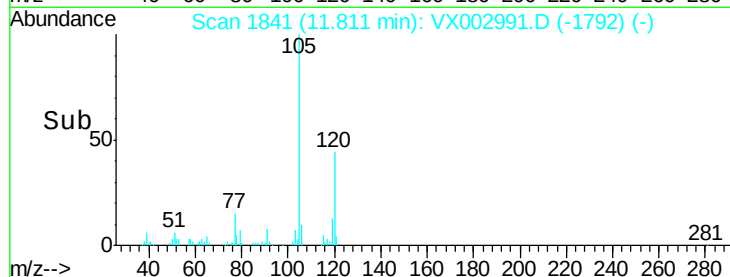
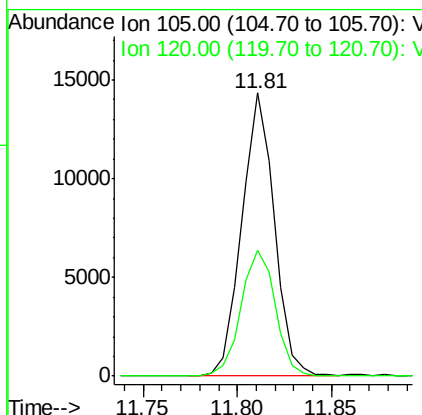
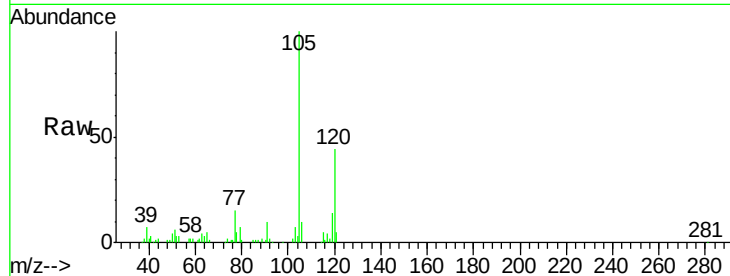




#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.50 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: VX002991.D  
 Acq: 28 Jun 2018 17:54

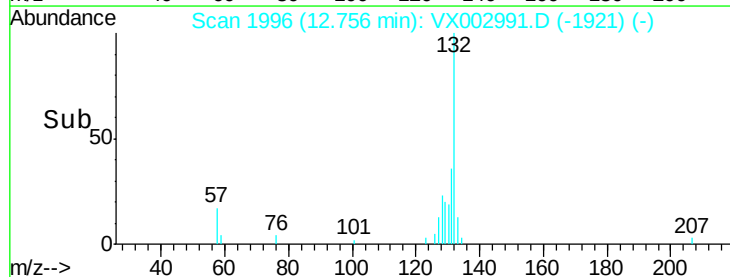
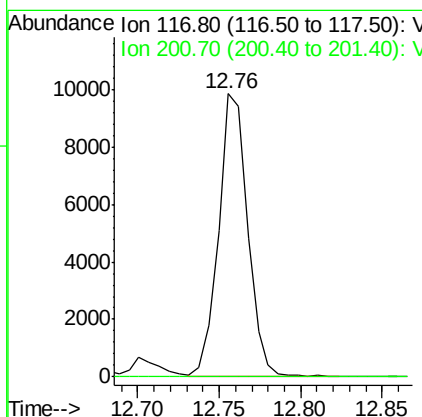
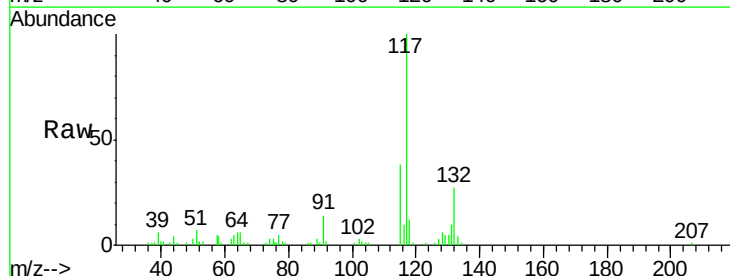
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 QNWP8-27S-GW

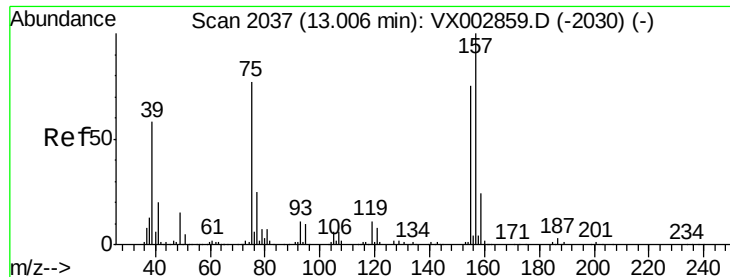
Tot Ion:105 Resp: 17100  
 Ion Ratio Lower Upper  
 105 100  
 120 47.0 22.3 66.8



#90  
 Hexachloroethane  
 Concen: 6.99 ug/l  
 RT: 12.76 min Scan# 1996  
 Delta R.T. 0.16 min  
 Lab File: VX002991.D  
 Acq: 28 Jun 2018 17:54

Tgt Ion:117 Resp: 12268  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 49.0 147.0#

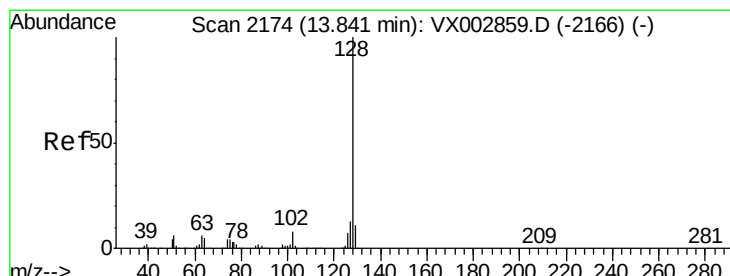
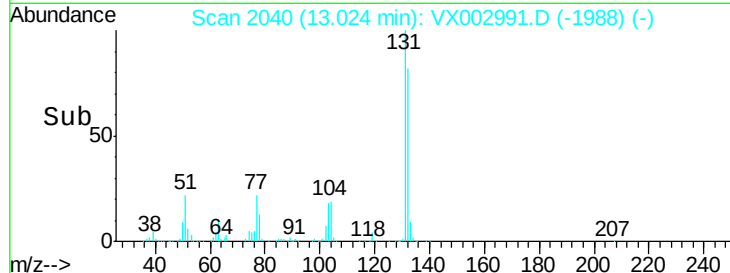
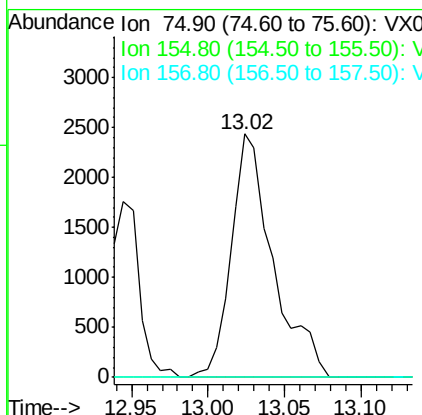
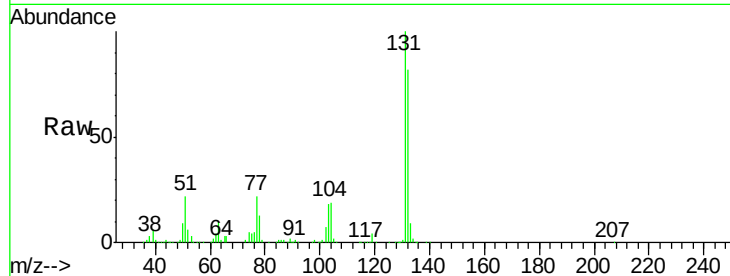




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.12 ug/l  
 RT: 13.02 min Scan# 2040  
 Delta R.T. 0.02 min  
 Lab File: VX002991.D  
 Acq: 28 Jun 2018 17:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 QNWP8-27S-GW

Tot Ion: 75 Resp: 4617  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 45.8 137.4#  
 157 0.0 60.1 180.3#



#95  
 Naphthalene  
 Concen: 34.06 ug/l  
 RT: 13.84 min Scan# 2174  
 Delta R.T. -0.00 min  
 Lab File: VX002991.D  
 Acq: 28 Jun 2018 17:54

Tgt Ion: 128 Resp: 451469  
 Ion Ratio Lower Upper  
 128 100  
 127 13.0 10.4 15.6  
 129 10.8 8.6 13.0

