

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\  
 Data File : VX003056.D  
 Acq On : 30 Jun 2018 03:49  
 Operator : JC/MD  
 Sample : J3671-9MEDL 10X  
 Misc : 7.10µ/5mL/100µL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 30 04:39:18 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  | 301371   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 422593   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 396291   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 239245   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 193627   | 46.48 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.96% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 156971   | 46.91 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.82% |      |
| 50) Toluene-d8            | 8.72   | 98  | 593646   | 48.58 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.16% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 220552   | 46.80 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.60% |      |

## Target Compounds

|                               |       |     |        |           |        | Qvalue |
|-------------------------------|-------|-----|--------|-----------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20  | 85  | 60     | Below Cal | #      | 43     |
| 3) Chloromethane              | 1.32  | 50  | 415    | Below Cal | #      | 81     |
| 4) Vinyl Chloride             | 1.40  | 62  | 4635   | 1.36      | ug/l # | 27     |
| 5) Bromomethane               | 1.64  | 94  | 1497   | Below Cal |        | 83     |
| 6) Chloroethane               | 1.72  | 64  | 247    | Below Cal | #      | 37     |
| 10) Methyl Iodide             | 2.51  | 142 | 1402   | 6.59      | ug/l   | 96     |
| 11) Tert butyl alcohol        | 3.02  | 59  | 9202   | 11.09     | ug/l # | 83     |
| 12) 1,1-Dichloroethene        | 2.37  | 96  | 3832   | 1.29      | ug/l   | 91     |
| 13) Acrolein                  | 2.30  | 56  | 290    | 4.85      | ug/l # | 66     |
| 15) Acrylonitrile             | 3.15  | 53  | 456    | 0.26      | ug/l # | 54     |
| 16) Acetone                   | 2.45  | 43  | 1052   | 0.61      | ug/l # | 85     |
| 20) Methylene Chloride        | 2.85  | 84  | 699    | 0.21      | ug/l # | 77     |
| 21) trans-1,2-Dichloroethene  | 3.16  | 96  | 2292   | 0.71      | ug/l   | 92     |
| 24) 1,1-Dichloroethane        | 3.71  | 63  | 1597   | 0.26      | ug/l # | 90     |
| 27) cis-1,2-Dichloroethene    | 4.60  | 96  | 846547 | 233.23    | ug/l   | 81     |
| 29) Tetrahydrofuran           | 5.17  | 42  | 1187   | 0.72      | ug/l # | 74     |
| 31) Cyclohexane               | 5.57  | 56  | 3831   | 0.73      | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 5.67  | 75  | 19790  | 4.27      | ug/l # | 51     |
| 38) Carbon Tetrachloride      | 5.67  | 117 | 27139  | 5.34      | ug/l # | 16     |
| 39) Methylcyclohexane         | 7.46  | 83  | 10262  | 1.90      | ug/l   | 87     |
| 43) Isopropyl Acetate         | 6.34  | 43  | 5817   | 0.70      | ug/l # | 63     |
| 44) Trichloroethene           | 7.21  | 130 | 74545  | 18.57     | ug/l   | 99     |
| 49) 1,4-Dioxane               | 7.83  | 88  | 19     | 0.23      | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone      | 8.68  | 43  | 1504   | 0.29      | ug/l # | 39     |
| 52) Toluene                   | 8.79  | 92  | 2289   | 0.27      | ug/l   | 100    |
| 60) Dibromochloromethane      | 9.33  | 129 | 793    | 0.21      | ug/l # | 11     |
| 65) Chlorobenzene             | 10.14 | 112 | 3882   | 0.39      | ug/l   | 99     |
| 67) Ethyl Benzene             | 10.26 | 91  | 6830   | 0.41      | ug/l   | 97     |
| 68) m/p-Xylenes               | 10.36 | 106 | 9734   | 1.52      | ug/l   | 98     |
| 74) N-amyl acetate            | 6.34  | 43  | 5817   | 0.74      | ug/l # | 59     |
| 75) 1,1,2,2-Tetrachloroethane | 11.28 | 83  | 1152   | 0.23      | ug/l # | 26     |
| 76) 1,2,3-Trichloropropane    | 11.14 | 75  | 113130 | 26.11     | ug/l # | 33     |
| 78) n-propylbenzene           | 11.37 | 91  | 8157   | 0.45      | ug/l   | 96     |
| 79) 2-Chlorotoluene           | 11.44 | 91  | 3938   | 0.36      | ug/l # | 41     |

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 Operator : JC/MD  
 Sample : J3671-9MEDL 10X  
 Misc : 7.10g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 37 Sample Multiplier: 1

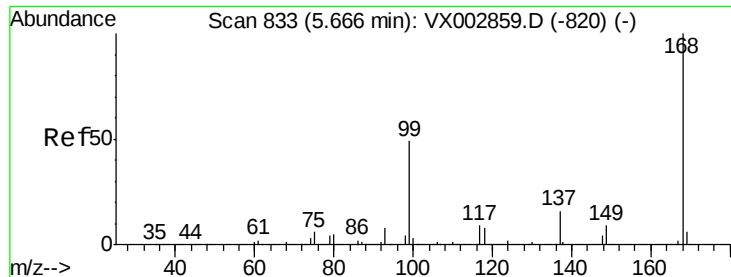
Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 30 04:39:18 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) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 16870    | 1.24  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75   | 113130   | 74.01 | ug/l # | 7        |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 44519    | 3.17  | ug/l   | 96       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 8070     | 0.50  | ug/l   | 94       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 6774     | 0.46  | ug/l   | 90       |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 3317     | 0.40  | ug/l # | 87       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 7011     | 0.81  | ug/l # | 62       |
| 89) n-Butylbenzene             | 12.39 | 91   | 21217    | 1.67  | ug/l # | 45       |
| 90) Hexachloroethane           | 12.59 | 117  | 3538     | 1.63  | ug/l # | 1        |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 10069    | 1.19  | ug/l   | 90       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 381      | 0.34  | ug/l # | 1        |
| 95) Naphthalene                | 13.84 | 128  | 29195    | 1.78  | ug/l # | 94       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

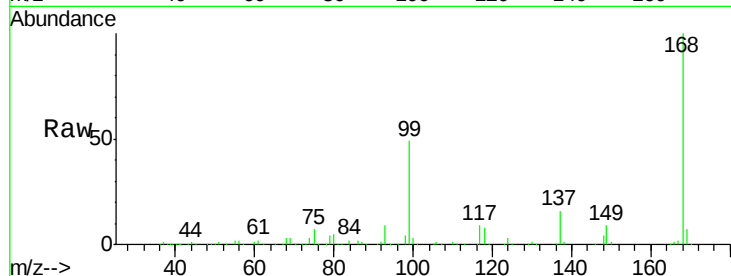
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:168 Resp: 301371

Ion Ratio Lower Upper

168 100

99 48.8 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

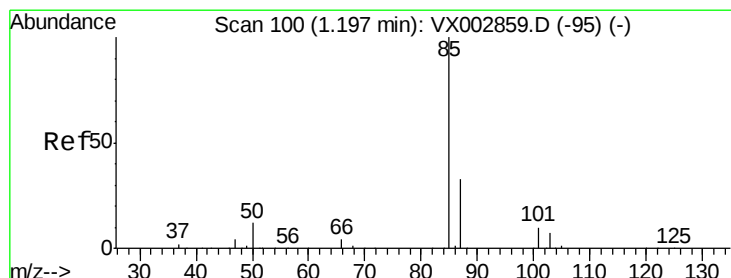
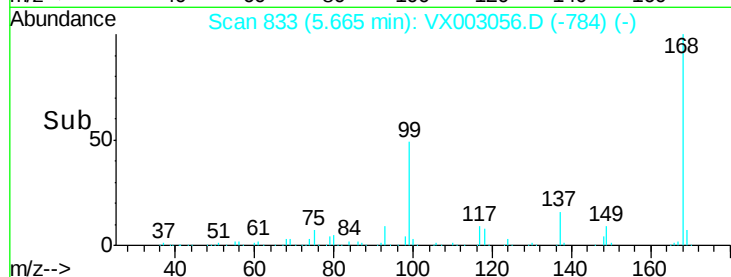
60000

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: VX003056.D

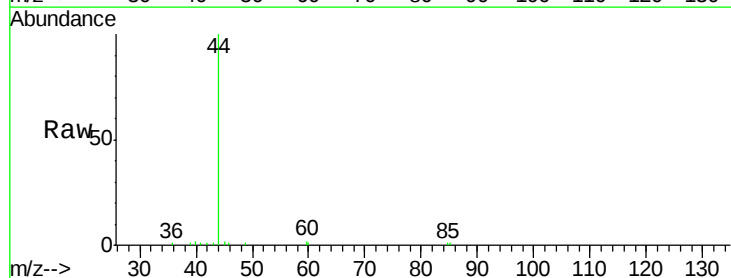
Acq: 30 Jun 2018 03:49

Tgt Ion: 85 Resp: 60

Ion Ratio Lower Upper

85 100

87 0.0 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

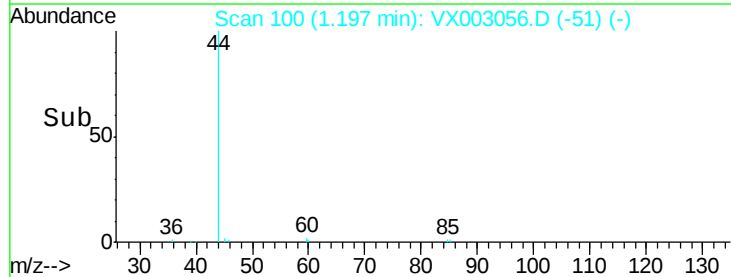
150

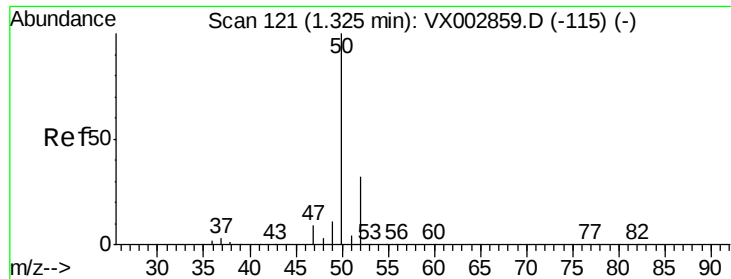
100

50

0

Time--> 1.18 1.19 1.20 1.21





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

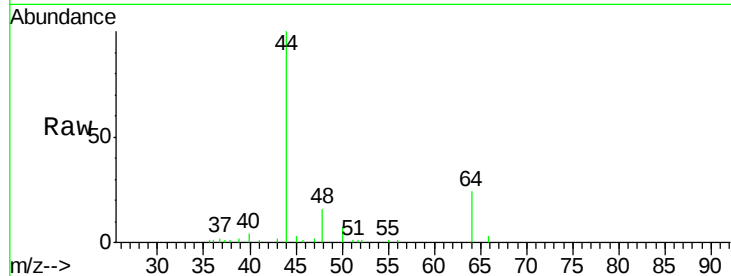
ClientSampled :

Tot Ion: 50 Resp: 415

Ion Ratio Lower Upper

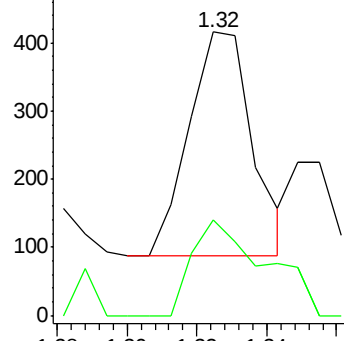
50 100

52 42.6 25.7 38.5#

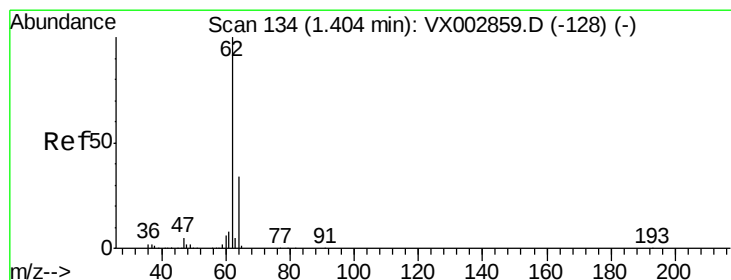
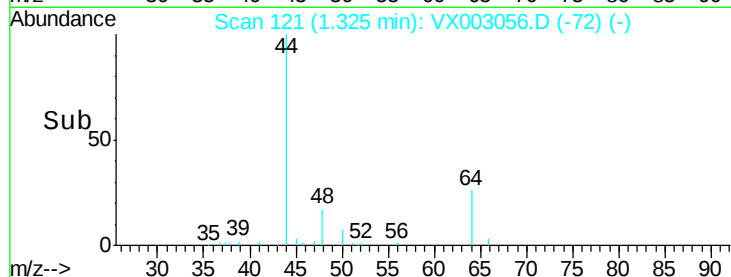


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 1.36 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003056.D

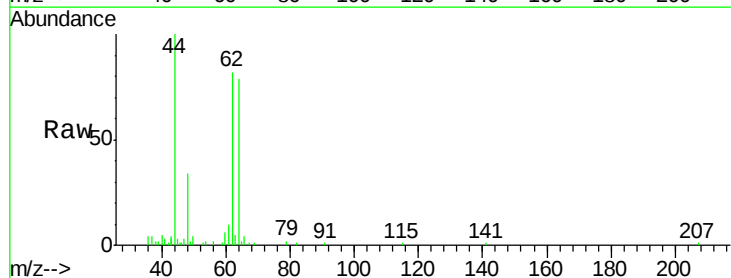
Acq: 30 Jun 2018 03:49

Tgt Ion: 62 Resp: 4635

Ion Ratio Lower Upper

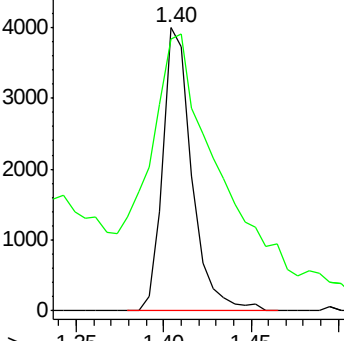
62 100

64 72.2 25.4 38.2#

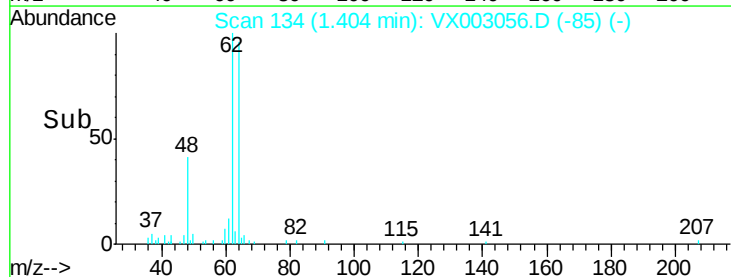


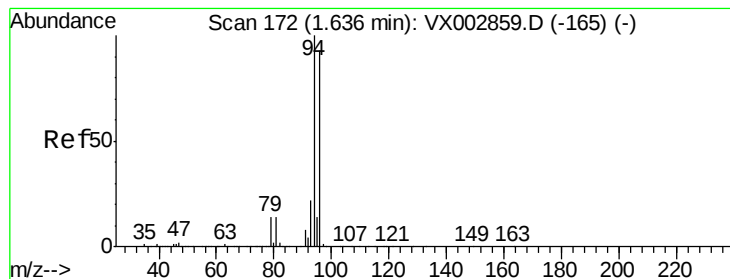
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

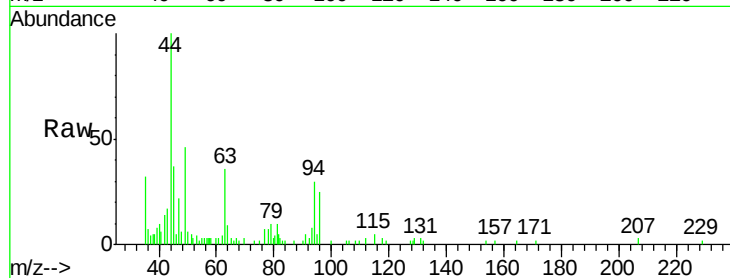
ClientSampled :

Tot Ion: 94 Resp: 1497

Ion Ratio Lower Upper

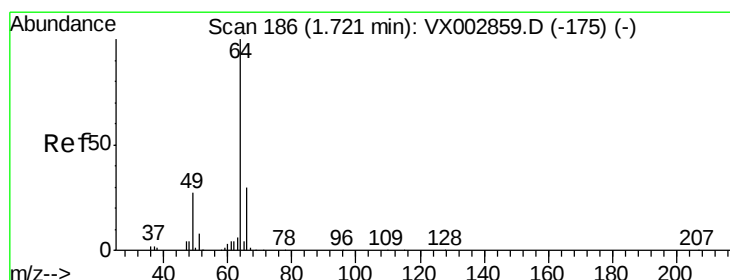
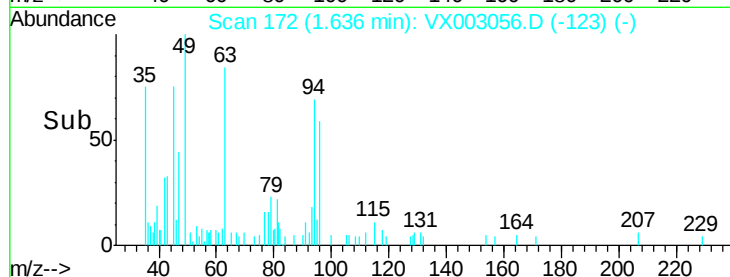
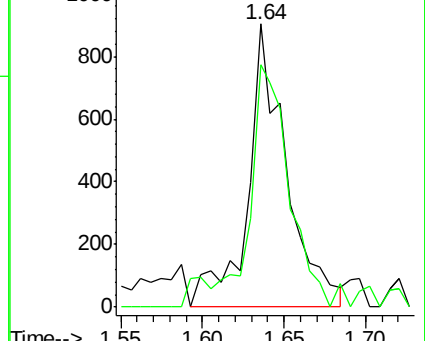
94 100

96 77.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX003056.D

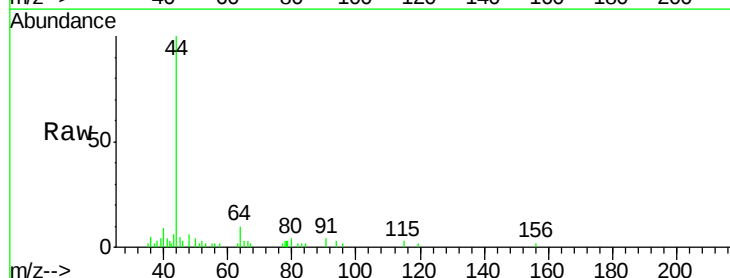
Acq: 30 Jun 2018 03:49

Tgt Ion: 64 Resp: 247

Ion Ratio Lower Upper

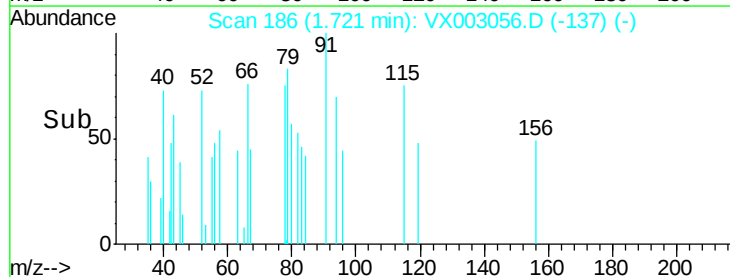
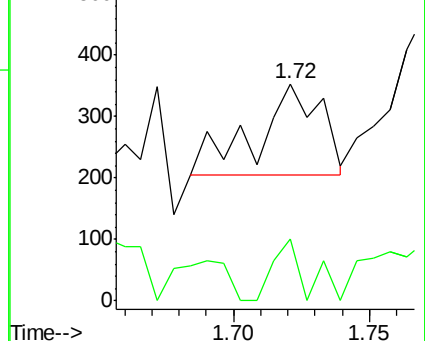
64 100

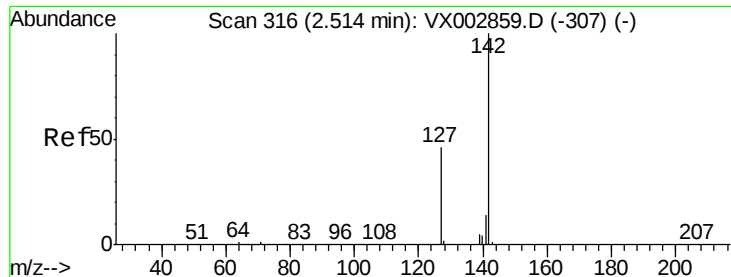
66 67.1 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

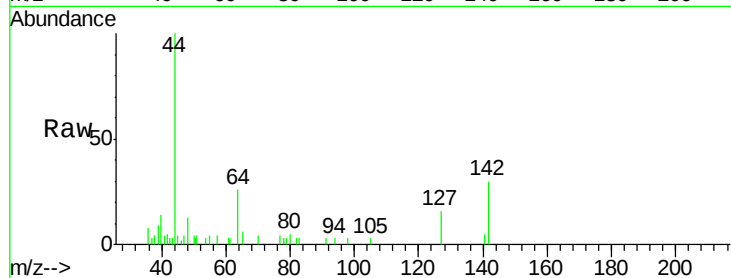




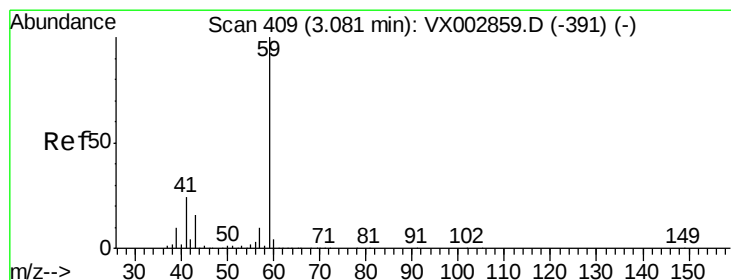
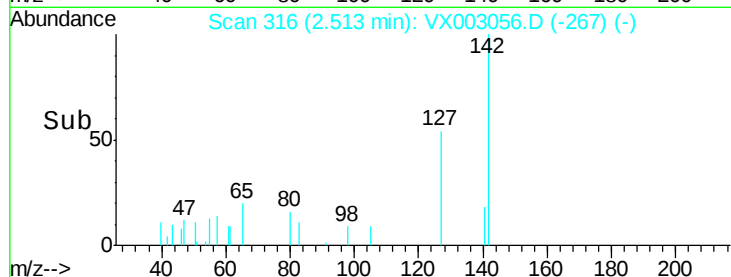
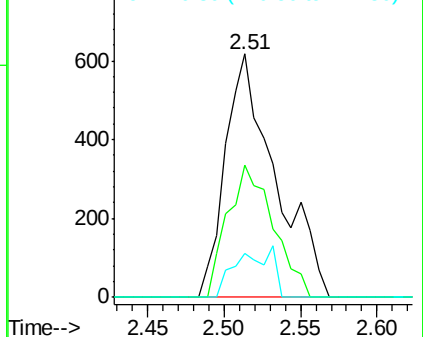
#10  
Methvl Iodide  
Concen: 6.59 ug/l  
RT: 2.51 min Scan# 316  
Delta R.T. 0.00 min  
Lab File: VX003056.D  
Acq: 30 Jun 2018 03:49

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:142 Resp: 1402  
Ion Ratio Lower Upper  
142 100  
127 49.3 36.6 55.0  
141 14.7 11.3 16.9

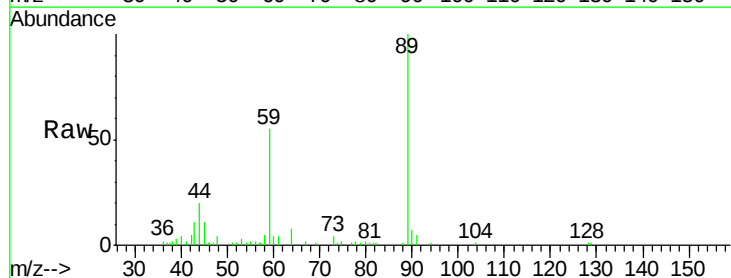


Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V

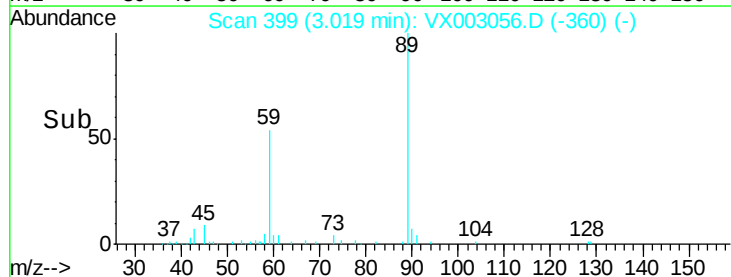
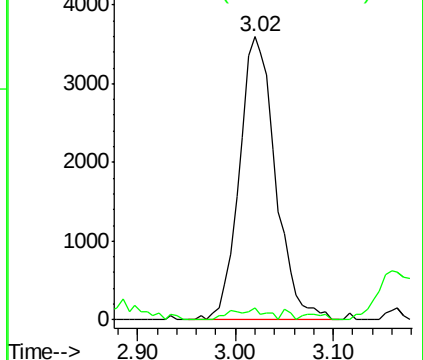


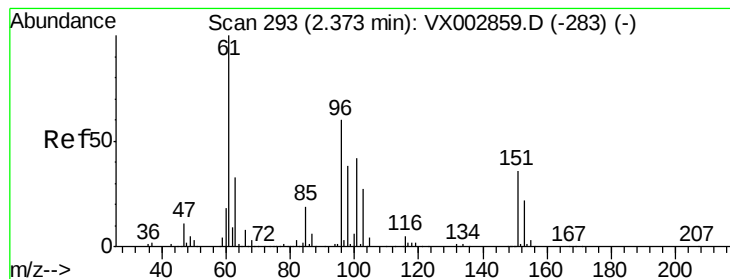
#11  
Tert butyl alcohol  
Concen: 11.09 ug/l  
RT: 3.02 min Scan# 399  
Delta R.T. -0.06 min  
Lab File: VX003056.D  
Acq: 30 Jun 2018 03:49

Tgt Ion: 59 Resp: 9202  
Ion Ratio Lower Upper  
59 100  
57 3.7 8.2 12.2#



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





#12

1,1-Dichloroethene

Concen: 1.29 ug/l

RT: 2.37 min Scan# 292

Delta R.T. -0.01 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

ClientSampled :

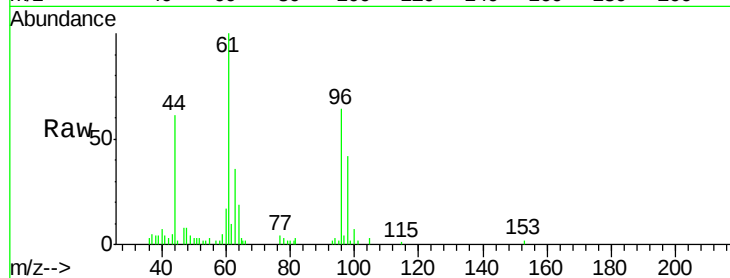
Tot Ion: 96 Resp: 3832

Ion Ratio Lower Upper

96 100

61 156.3 137.9 206.9

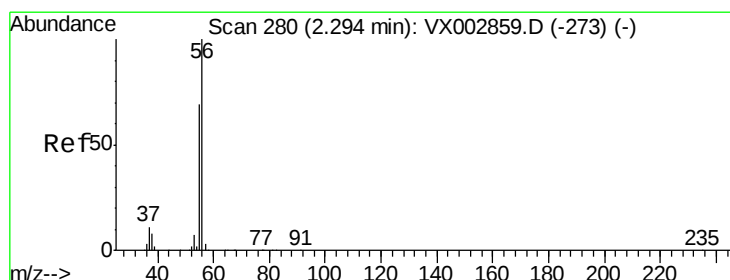
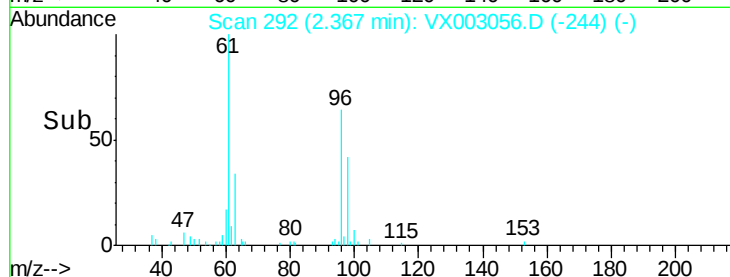
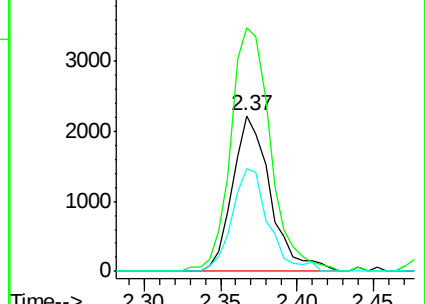
98 65.7 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 4.85 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003056.D

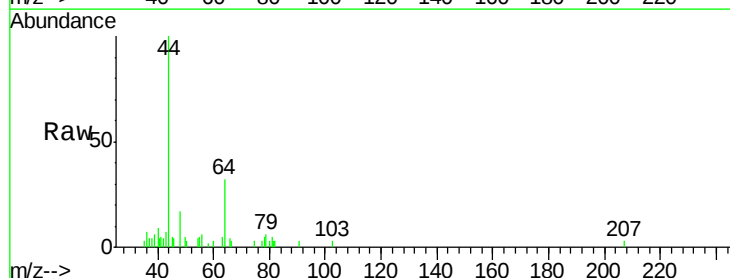
Acq: 30 Jun 2018 03:49

Tgt Ion: 56 Resp: 290

Ion Ratio Lower Upper

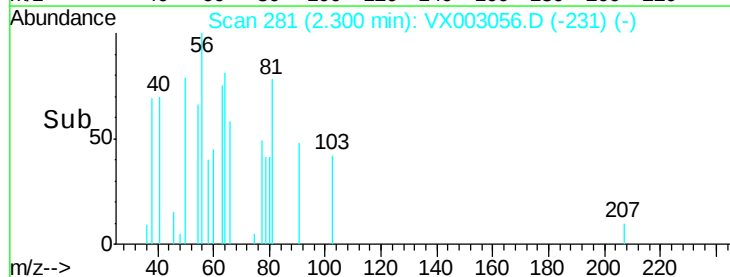
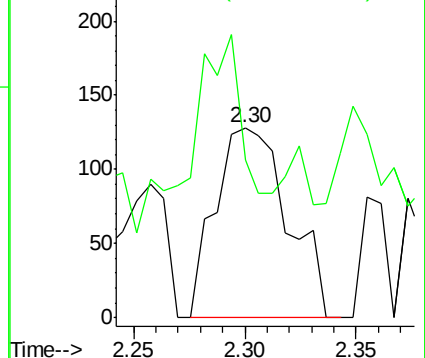
56 100

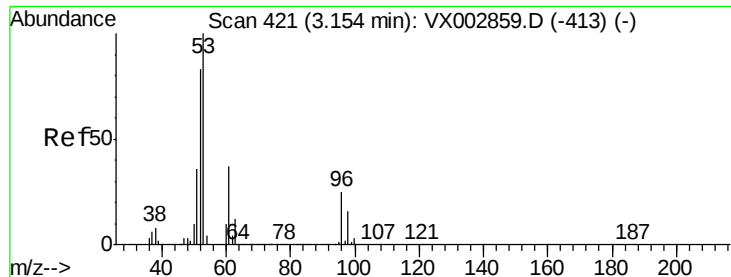
55 42.8 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

ClientSampled :

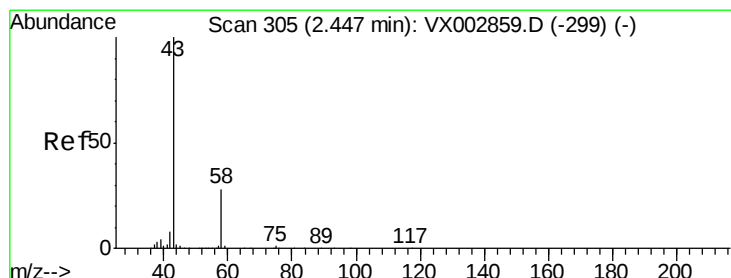
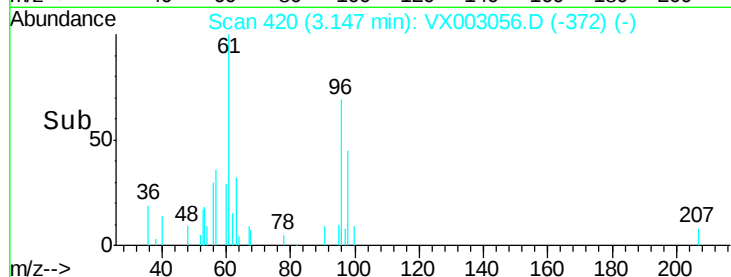
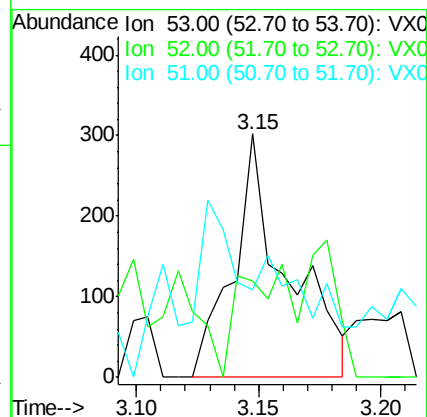
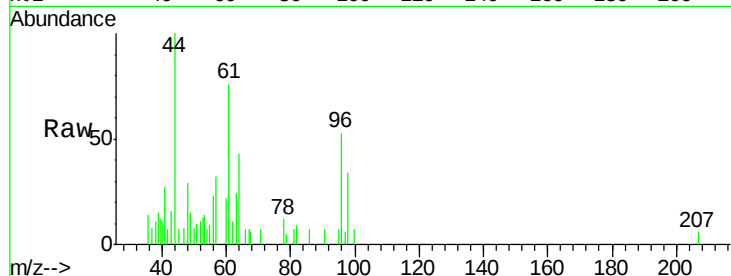
Tot Ion: 53 Resp: 456

Ion Ratio Lower Upper

53 100

52 27.4 66.7 100.1#

51 30.5 29.9 44.9



#16

Acetone

Concen: 0.61 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003056.D

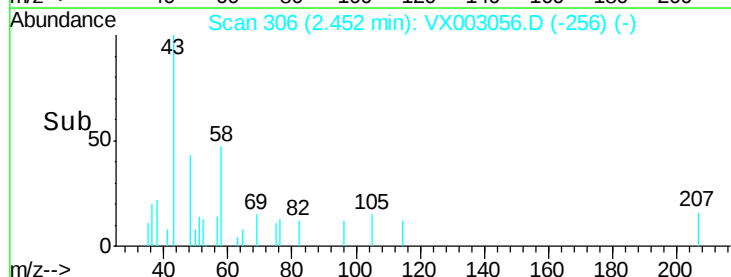
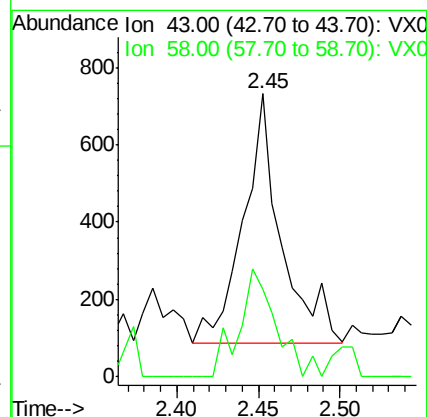
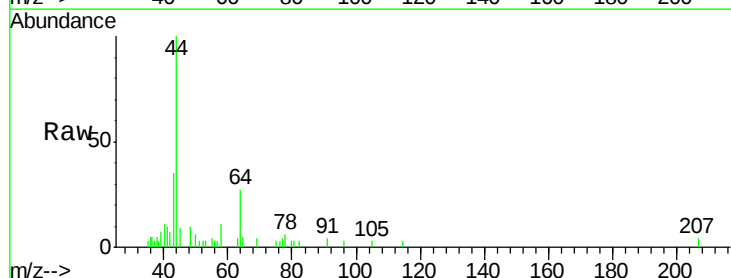
Acq: 30 Jun 2018 03:49

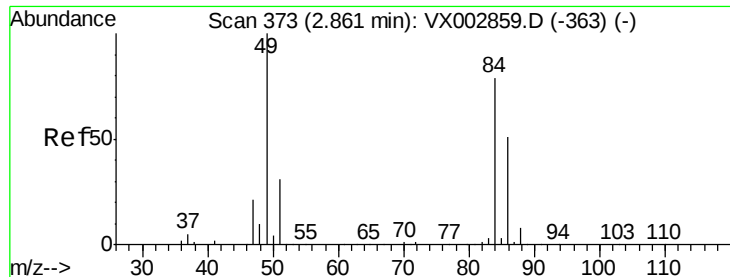
Tgt Ion: 43 Resp: 1052

Ion Ratio Lower Upper

43 100

58 35.2 22.1 33.1#

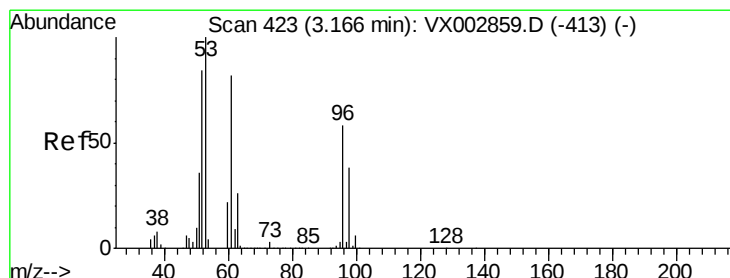
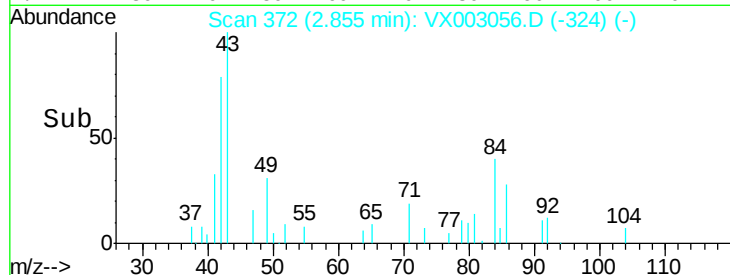
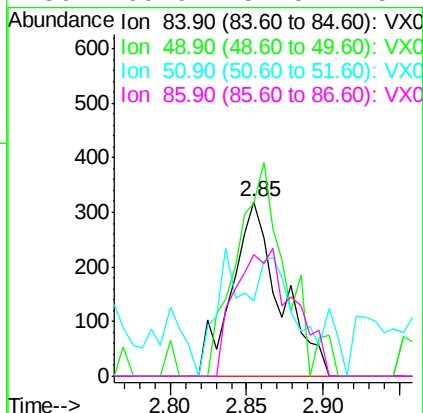
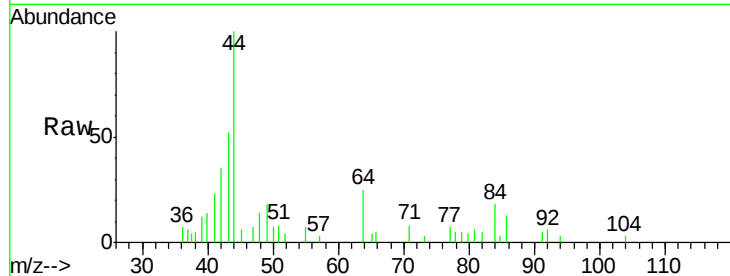




#20  
Methylene Chloride  
Concen: 0.21 ug/l  
RT: 2.85 min Scan# 372  
Delta R.T. -0.01 min  
Lab File: VX003056.D  
Acq: 30 Jun 2018 03:49

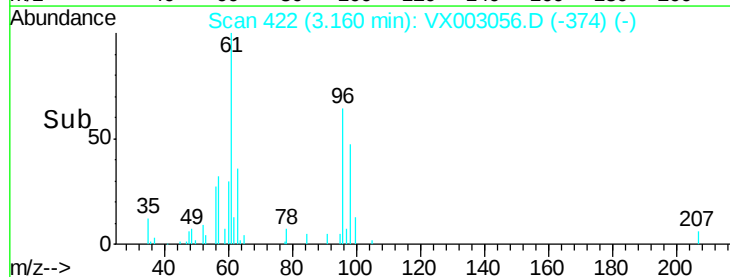
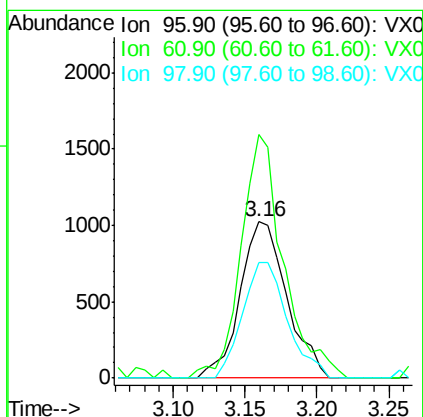
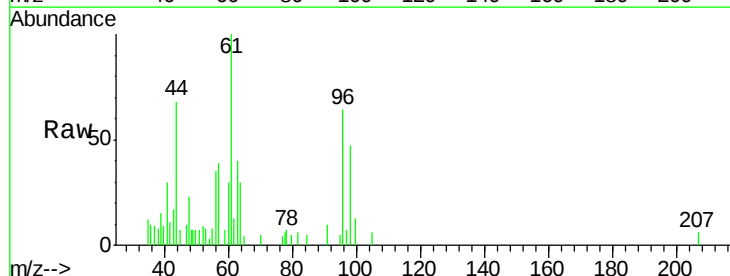
Instrument :  
MSVOA\_X  
ClientSampleId :

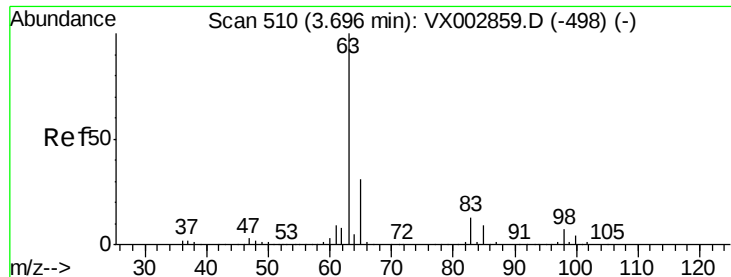
| Tot Ion | 84    | Resp  | 699    |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 84      | 100   |       |        |
| 49      | 99.1  | 107.8 | 161.6# |
| 51      | 25.1  | 32.8  | 49.2#  |
| 86      | 69.9  | 52.5  | 78.7   |



#21  
trans-1,2-Dichloroethene  
Concen: 0.71 ug/l  
RT: 3.16 min Scan# 422  
Delta R.T. -0.01 min  
Lab File: VX003056.D  
Acq: 30 Jun 2018 03:49

| Tgt Ion | 96    | Resp  | 2292  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 155.6 | 117.0 | 175.4 |
| 98      | 73.8  | 52.4  | 78.6  |





#24

1,1-Dichloroethane

Concen: 0.26 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.01 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

ClientSampleId :

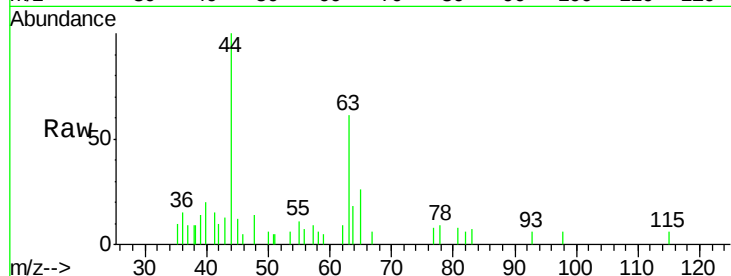
Tot Ion: 63 Resp: 1597

Ion Ratio Lower Upper

63 100

98 9.8 3.4 10.2

100 0.0 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

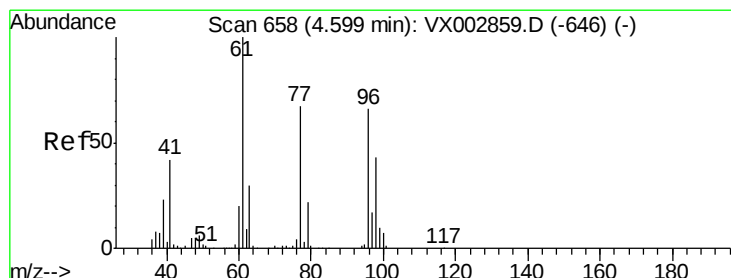
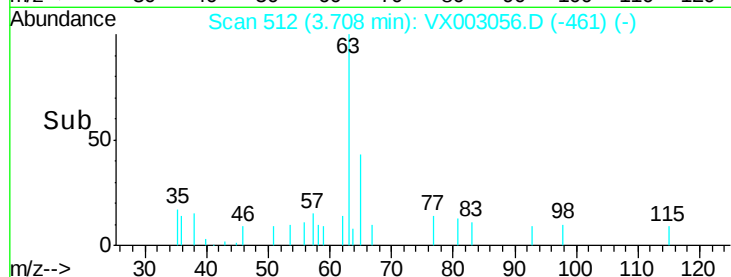
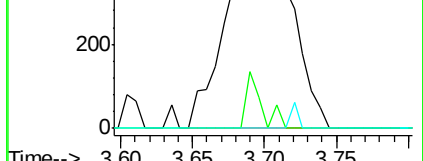
3.71

600

400

200

0



#27

cis-1,2-Dichloroethene

Concen: 233.23 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

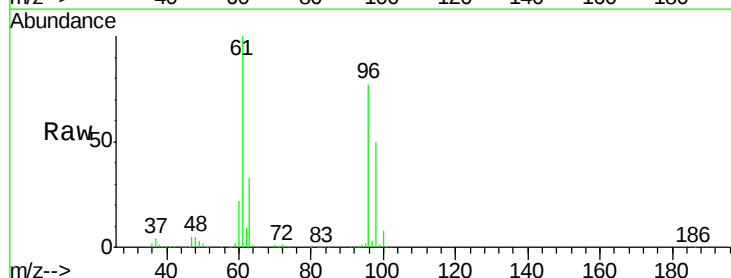
Tgt Ion: 96 Resp: 846547

Ion Ratio Lower Upper

96 100

61 129.5 0.0 330.2

98 64.5 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0

4.60

500000

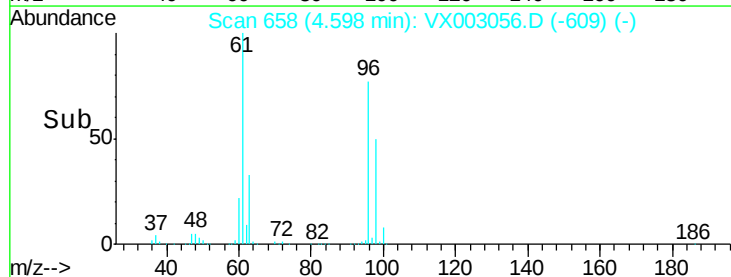
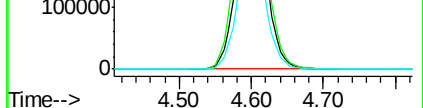
400000

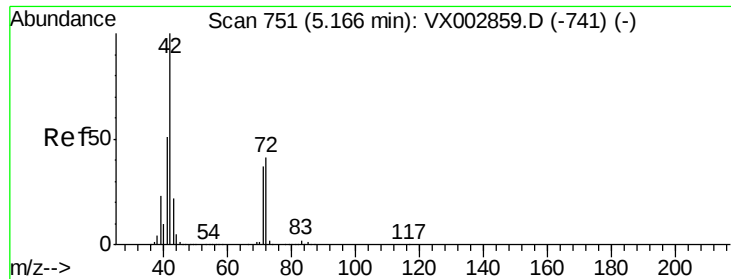
300000

200000

100000

0

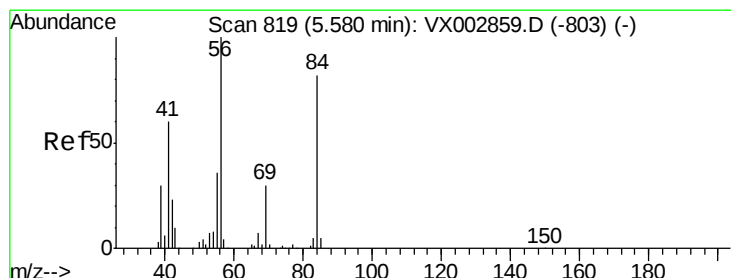
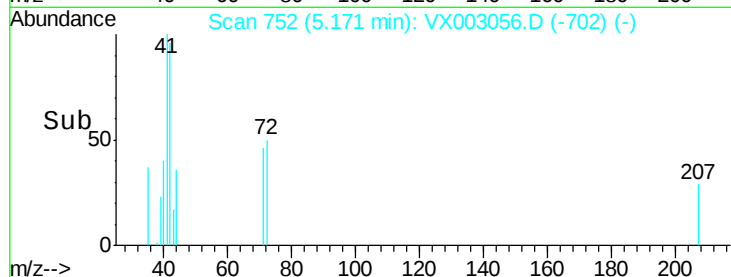
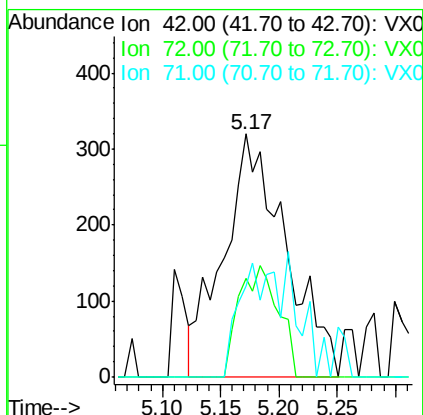
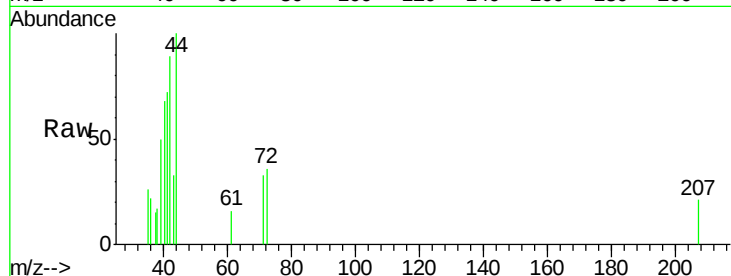




#29  
Tetrahydrofuran  
Concen: 0.72 ug/l  
RT: 5.17 min Scan# 752  
Delta R.T. 0.01 min  
Lab File: VX003056.D  
Acq: 30 Jun 2018 03:49

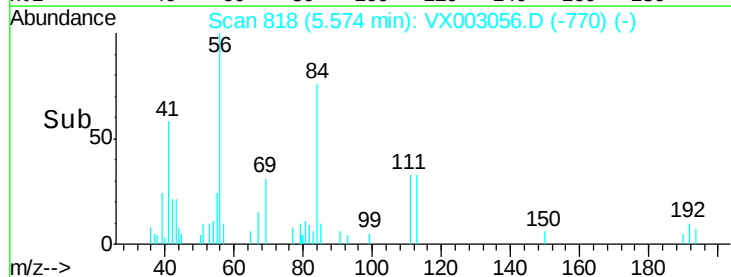
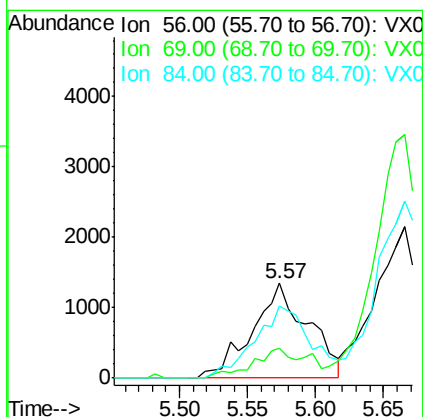
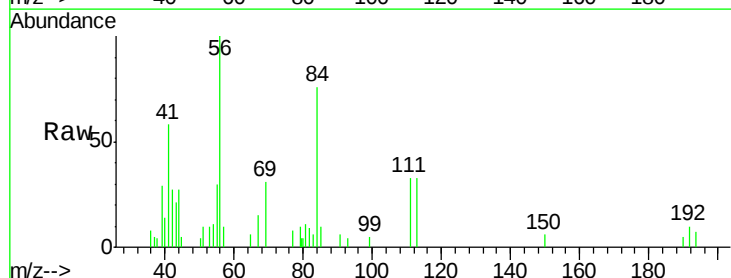
Instrument :  
MSVOA\_X  
ClientSampled :

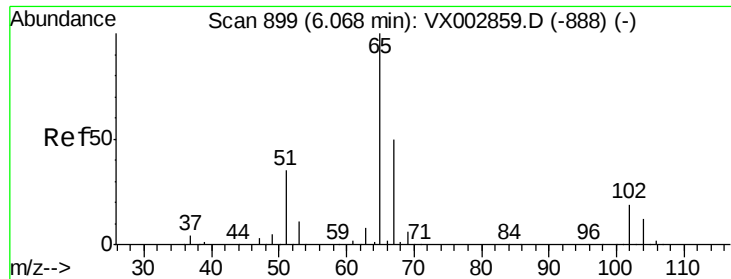
Tot Ion: 42 Resp: 1187  
Ion Ratio Lower Upper  
42 100  
72 28.9 32.0 48.0#  
71 16.8 30.1 45.1#



#31  
Cyclohexane  
Concen: 0.73 ug/l  
RT: 5.57 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: VX003056.D  
Acq: 30 Jun 2018 03:49

Tgt Ion: 56 Resp: 3831  
Ion Ratio Lower Upper  
56 100  
69 31.1 23.7 35.5  
84 76.0 64.1 96.1

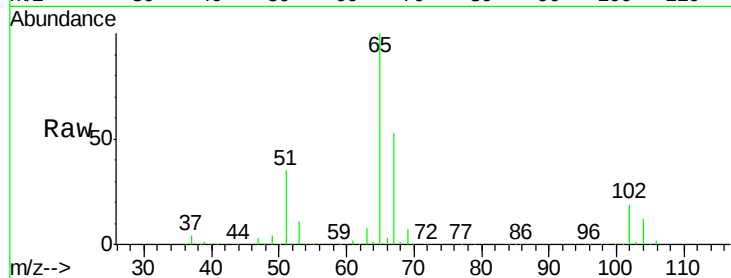




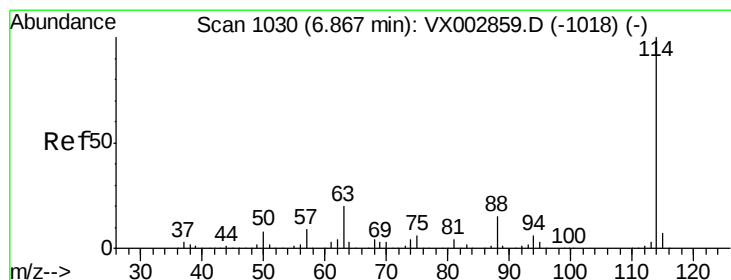
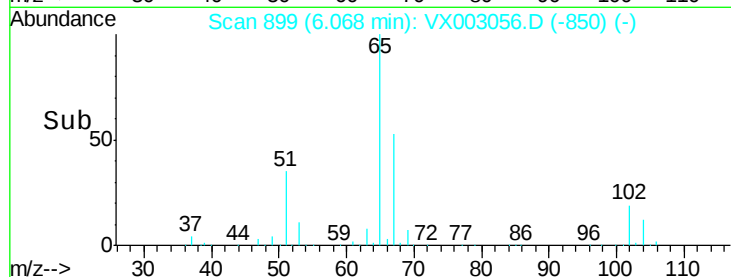
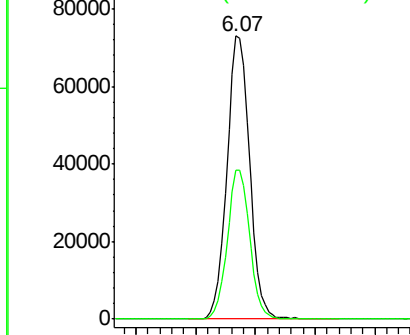
#33  
 1,2-Dichloroethane-d4  
 Concen: 46.48 ug/l  
 RT: 6.07 min Scan# 899  
 Delta R.T. 0.00 min  
 Lab File: VX003056.D  
 Acq: 30 Jun 2018 03:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion: 65 Resp: 193627  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 102.6

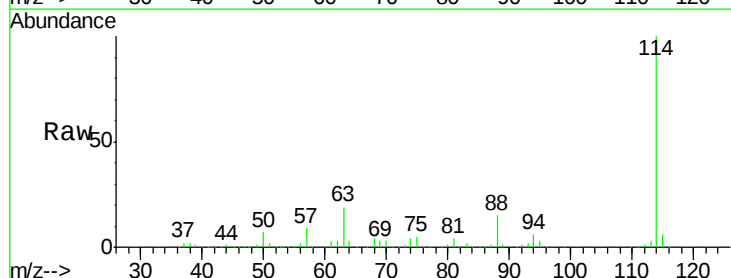


Abundance Ion 64.90 (64.60 to 65.60): VX0  
 Ion 66.90 (66.60 to 67.60): VX0

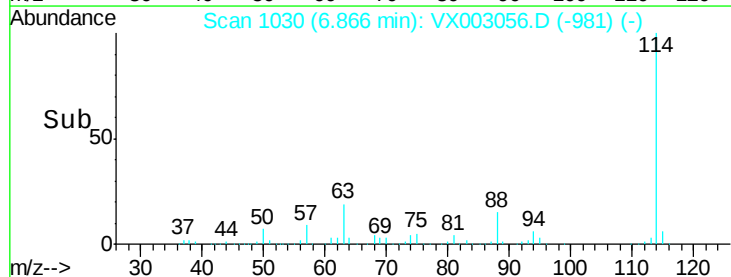
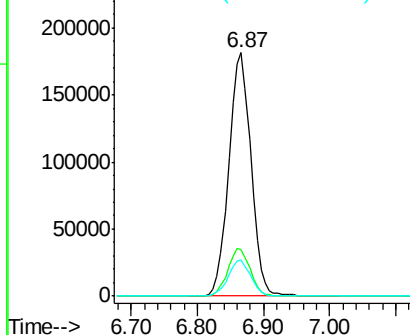


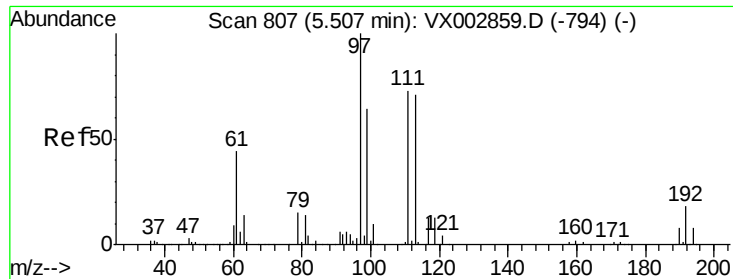
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX003056.D  
 Acq: 30 Jun 2018 03:49

Tgt Ion: 114 Resp: 422593  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 0.0 41.4  
 88 14.9 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

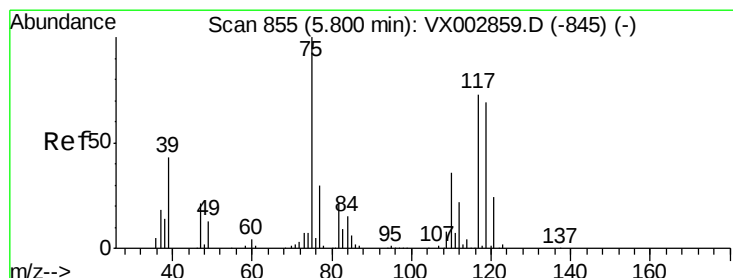
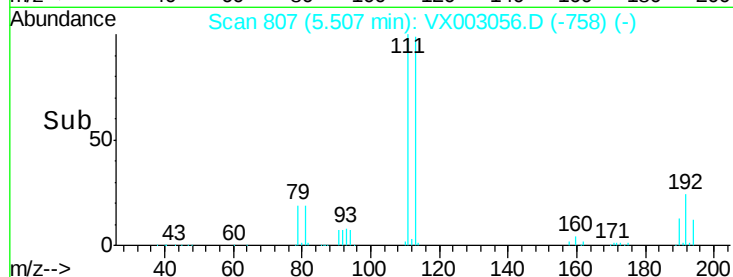
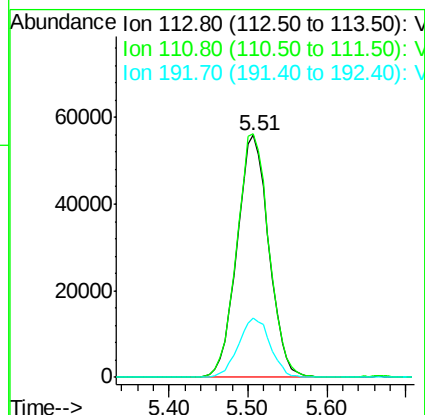
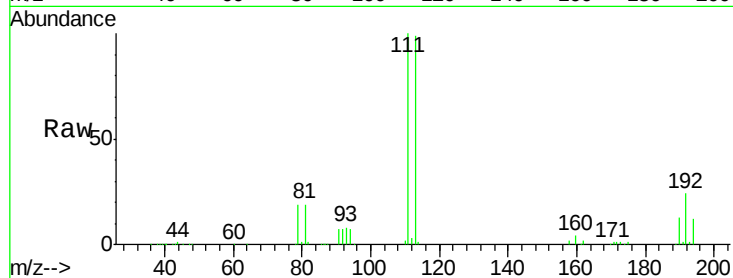




#35  
 Dibromofluoromethane  
 Concen: 46.91 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.00 min  
 Lab File: VX003056.D  
 Acq: 30 Jun 2018 03:49

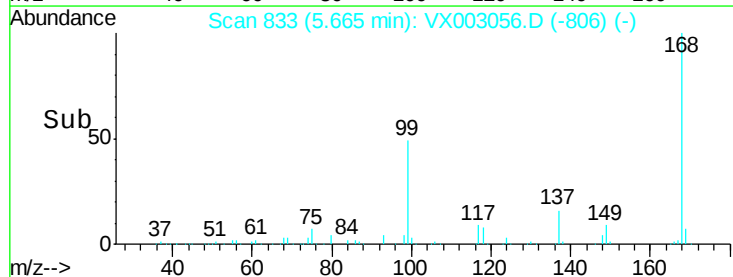
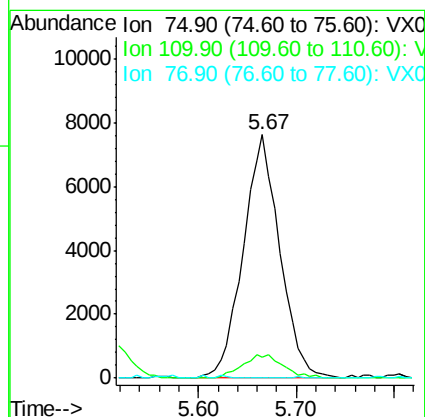
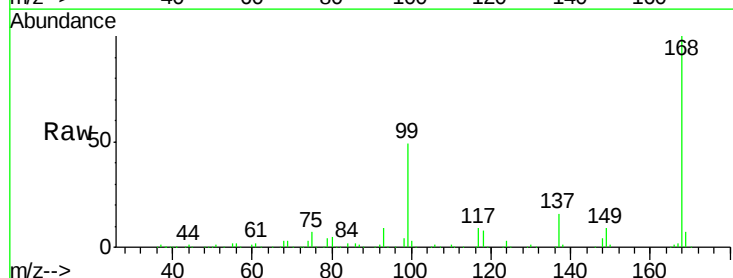
Instrument :  
 MSVOA\_X  
 ClientSampleId :

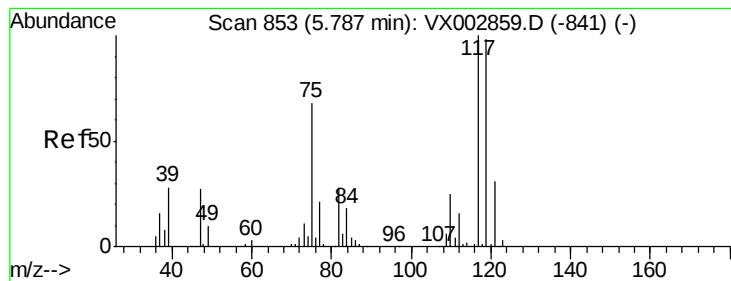
Tot Ion:113 Resp: 156971  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 81.4 122.0  
 192 24.7 19.1 28.7



#36  
 1,1-Dichloropropene  
 Concen: 4.27 ug/l  
 RT: 5.67 min Scan# 833  
 Delta R.T. -0.13 min  
 Lab File: VX003056.D  
 Acq: 30 Jun 2018 03:49

Tgt Ion: 75 Resp: 19790  
 Ion Ratio Lower Upper  
 75 100  
 110 10.7 18.1 54.4#  
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.34 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

ClientSampleId :

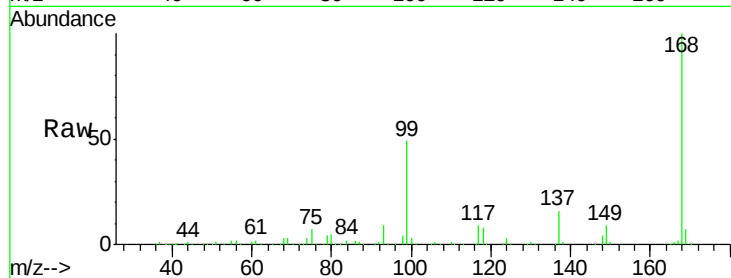
Tot Ion:117 Resp: 27139

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

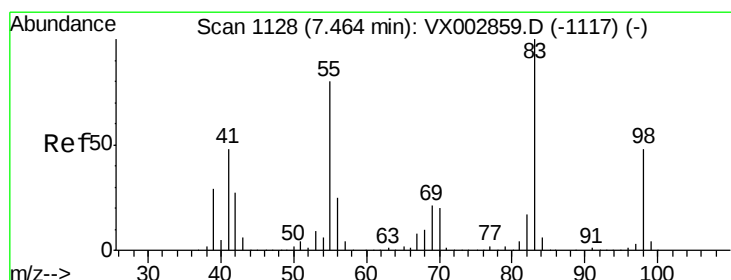
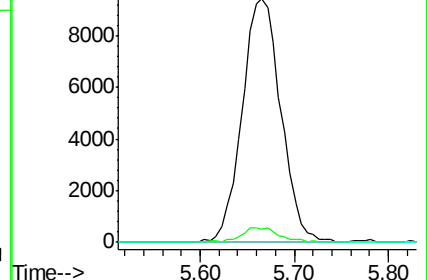
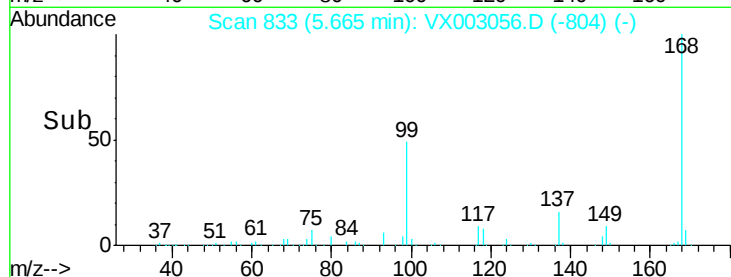
121 0.0 24.4 36.6#



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



#39

Methylcyclohexane

Concen: 1.90 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

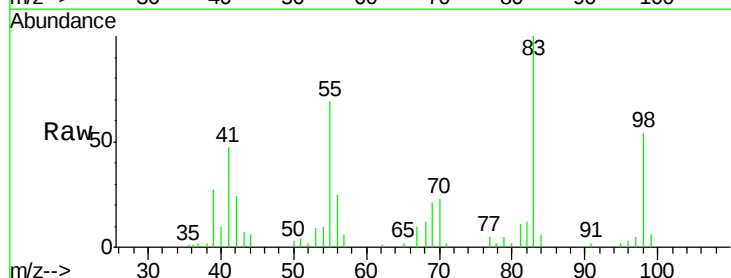
Tgt Ion: 83 Resp: 10262

Ion Ratio Lower Upper

83 100

55 68.9 65.4 98.0

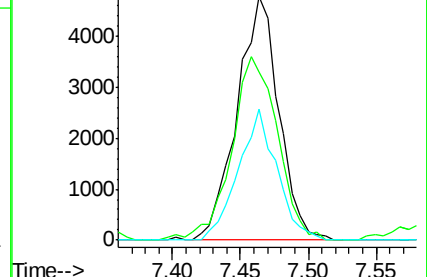
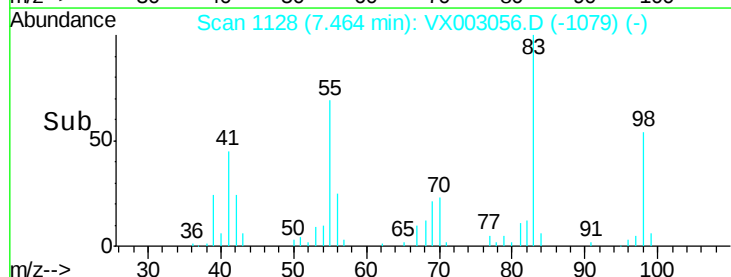
98 53.8 37.4 56.0

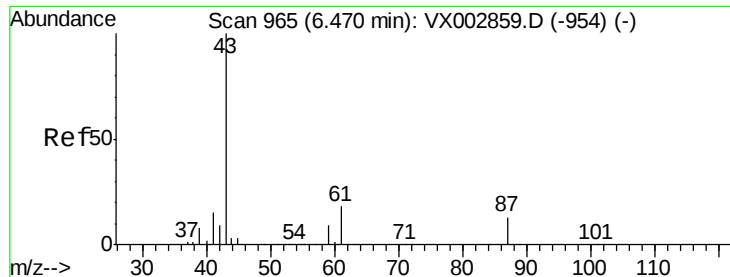


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#43

Isopropyl Acetate

Concen: 0.70 ug/l

RT: 6.34 min Scan# 944

Delta R.T. -0.13 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

ClientSampleId :

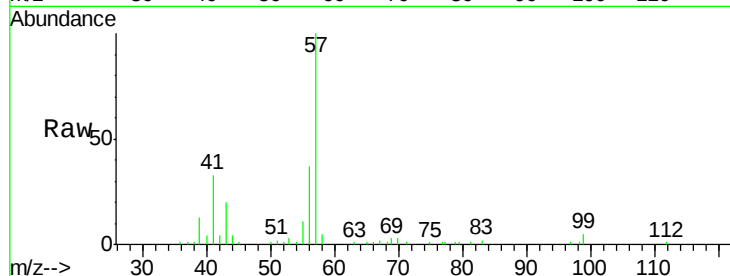
Tot Ion: 43 Resp: 5817

Ion Ratio Lower Upper

43 100

61 0.0 14.4 21.6#

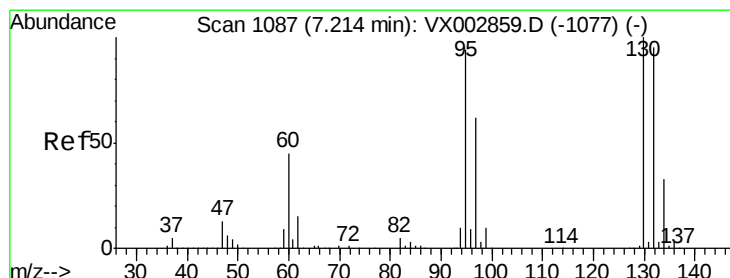
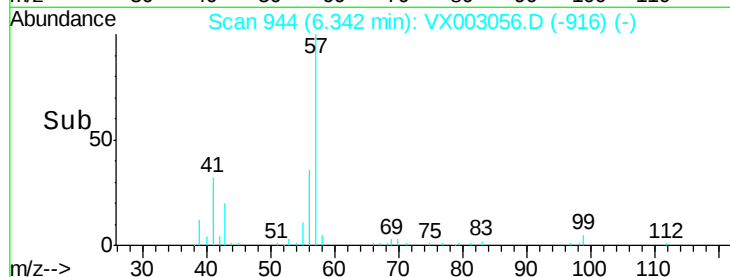
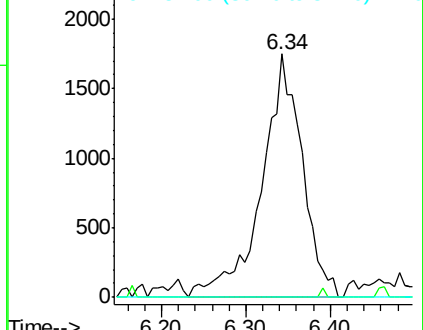
87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.57 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX003056.D

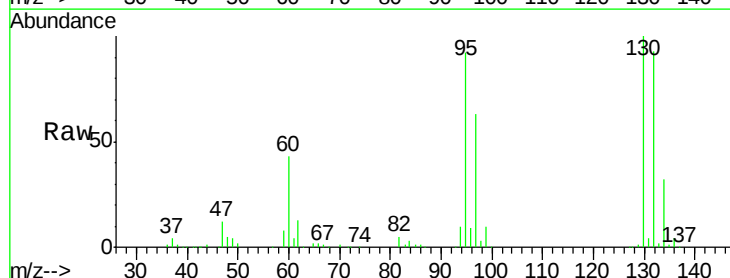
Acq: 30 Jun 2018 03:49

Tgt Ion: 130 Resp: 74545

Ion Ratio Lower Upper

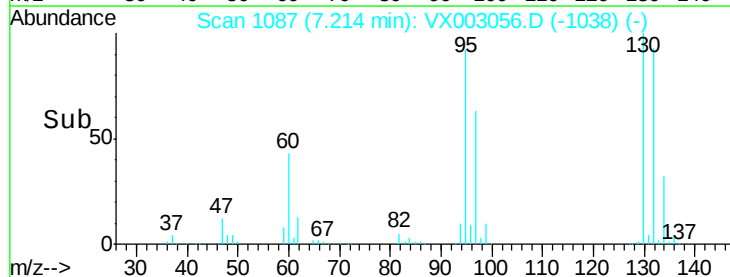
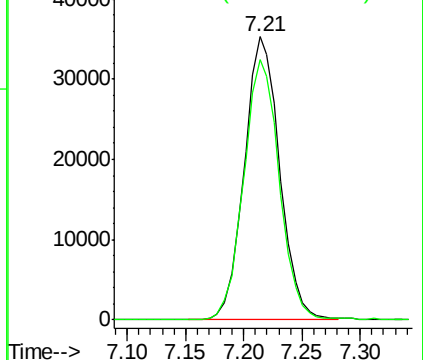
130 100

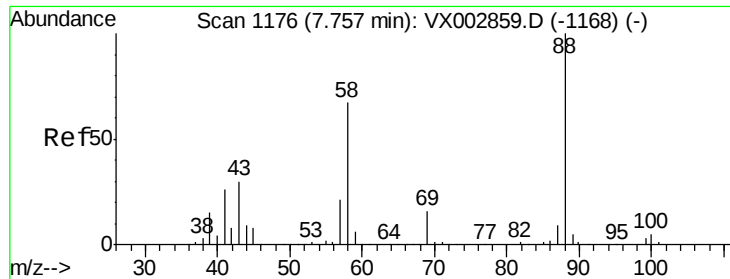
95 92.1 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.23 ug/l

RT: 7.83 min Scan# 1188

Delta R.T. 0.07 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

ClientSampled :

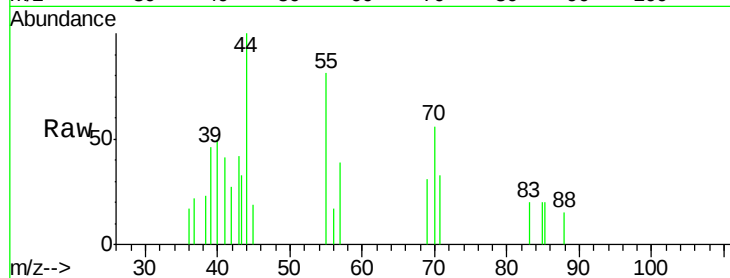
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 2563.2 29.8 44.6#

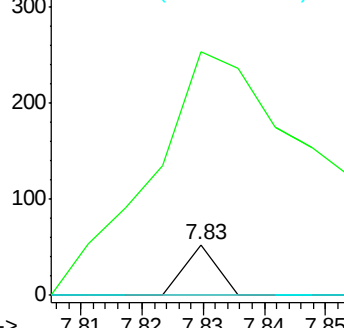
58 0.0 57.1 85.7#



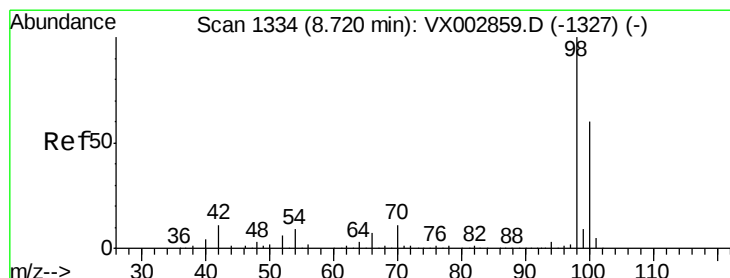
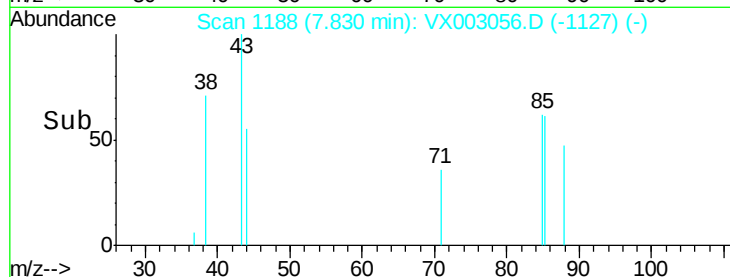
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 48.58 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003056.D

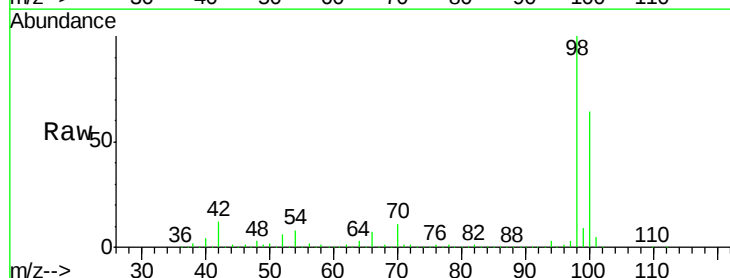
Acq: 30 Jun 2018 03:49

Tgt Ion: 98 Resp: 593646

Ion Ratio Lower Upper

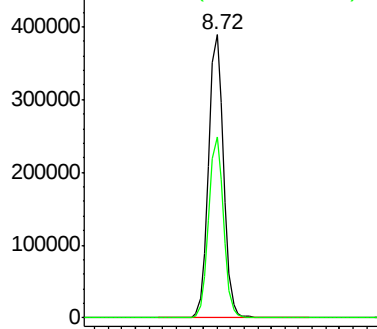
98 100

100 63.9 50.9 76.3

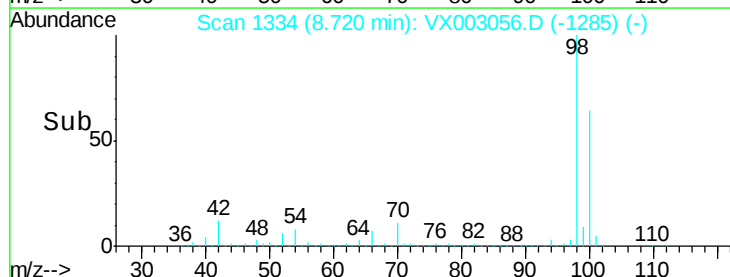


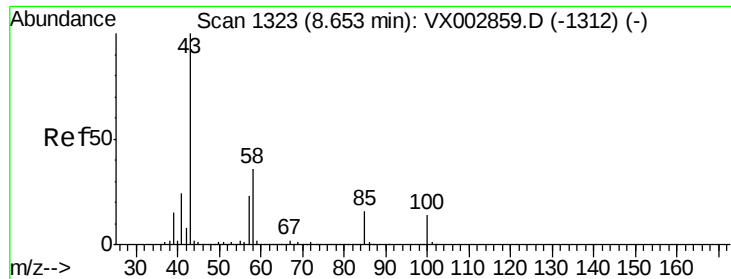
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.29 ug/l

RT: 8.68 min Scan# 1328

Delta R.T. 0.03 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

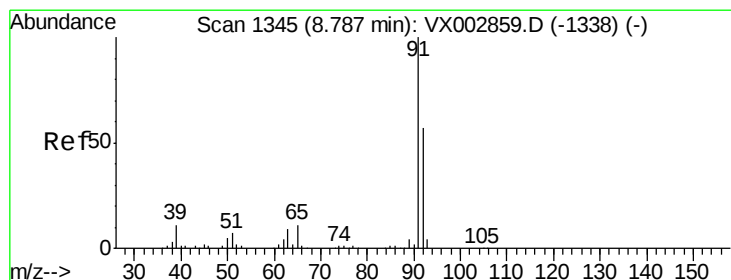
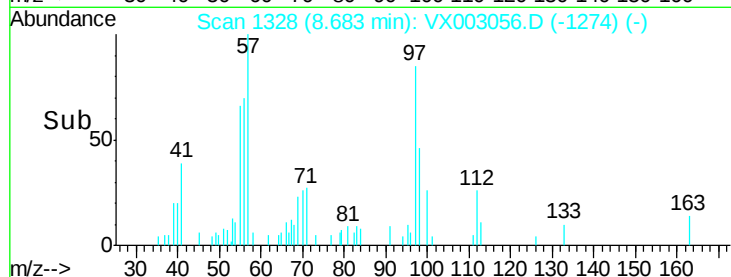
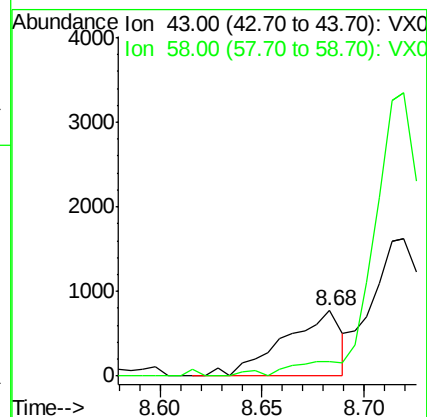
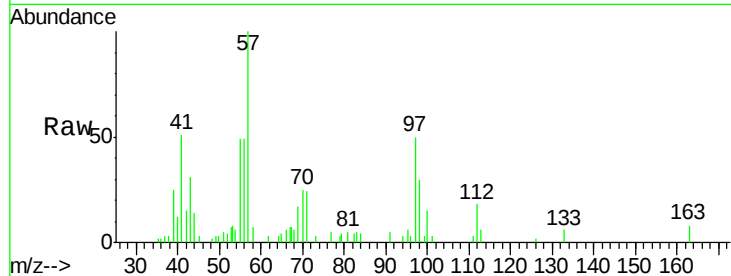
ClientSampleId :

Tot Ion: 43 Resp: 1504

Ion Ratio Lower Upper

43 100

58 0.0 28.6 42.8#



#52

Toluene

Concen: 0.27 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003056.D

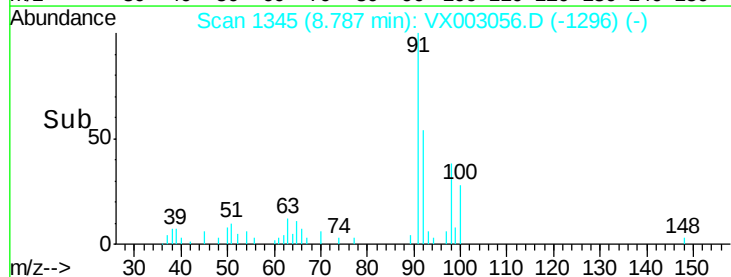
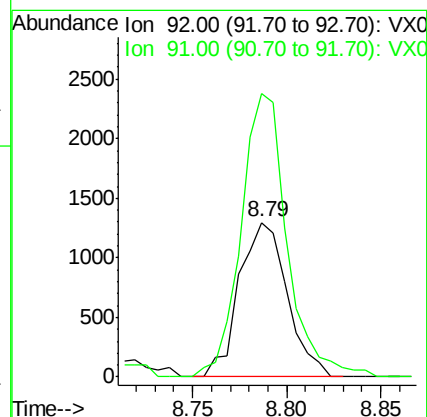
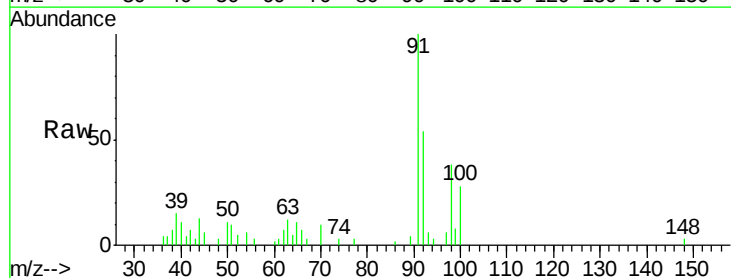
Acq: 30 Jun 2018 03:49

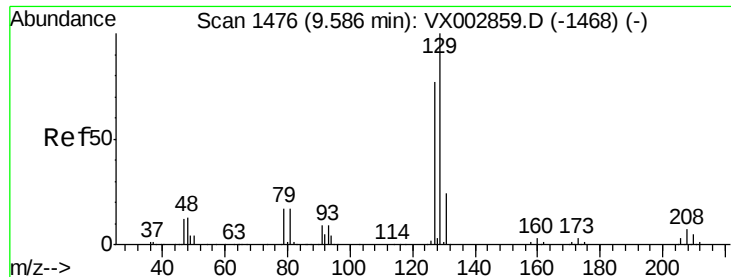
Tgt Ion: 92 Resp: 2289

Ion Ratio Lower Upper

92 100

91 176.2 140.4 210.6

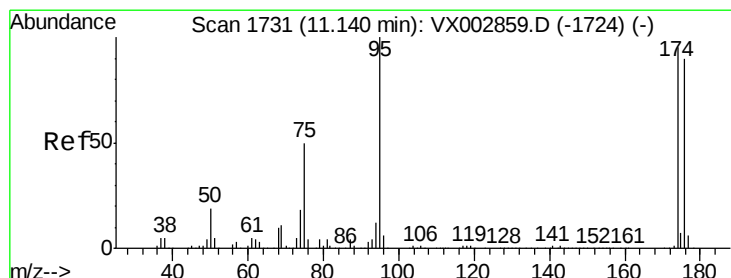
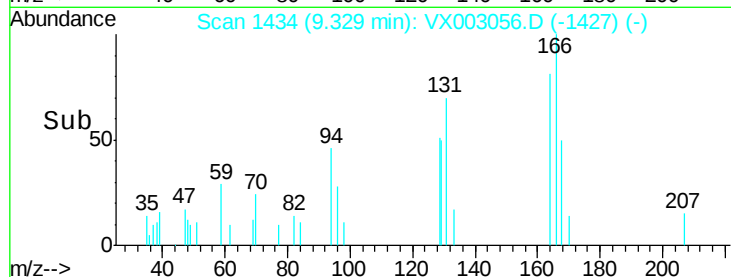
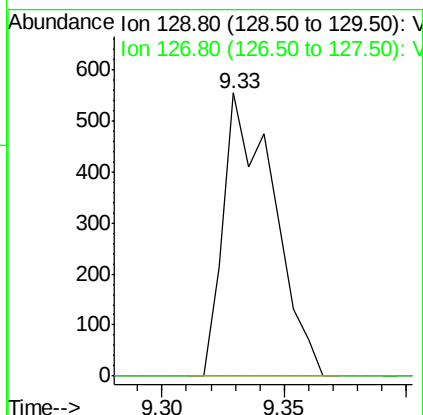
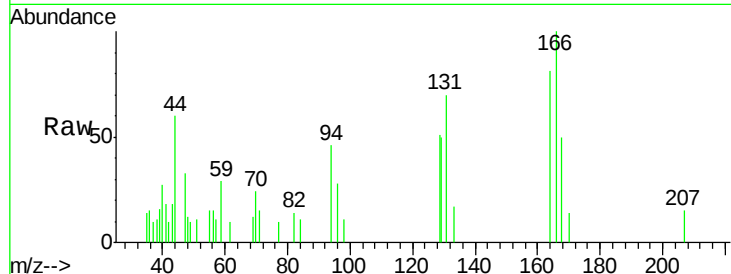




#60  
Dibromochloromethane  
Concen: 0.21 ug/l  
RT: 9.33 min Scan# 1434  
Delta R.T. -0.26 min  
Lab File: VX003056.D  
Acq: 30 Jun 2018 03:49

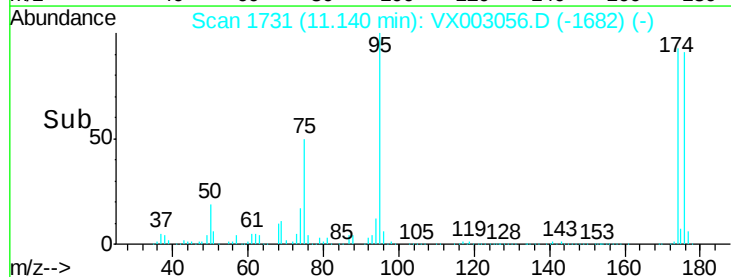
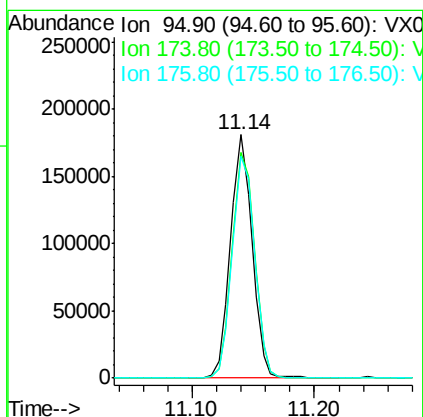
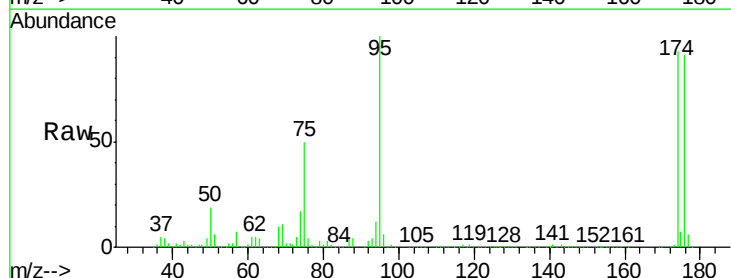
Instrument :  
MSVOA\_X  
ClientSampleId :

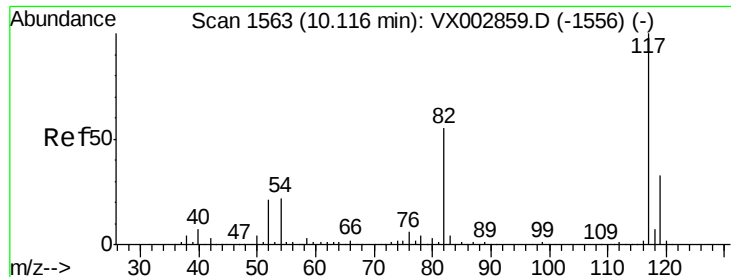
Tot Ion:129 Resp: 793  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.3#



#62  
4-Bromofluorobenzene  
Concen: 46.80 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX003056.D  
Acq: 30 Jun 2018 03:49

Tgt Ion: 95 Resp: 220552  
Ion Ratio Lower Upper  
95 100  
174 96.8 0.0 187.4  
176 94.7 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: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

ClientSampleId :

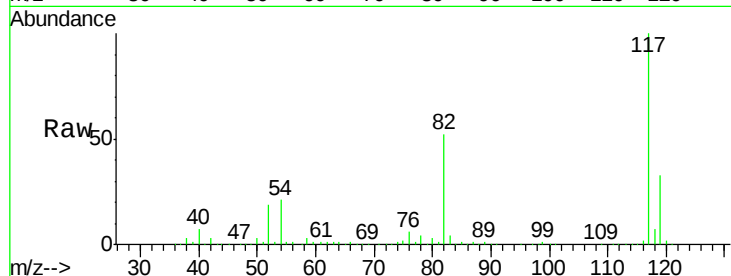
Tot Ion:117 Resp: 396291

Ion Ratio Lower Upper

117 100

82 52.2 45.0 67.4

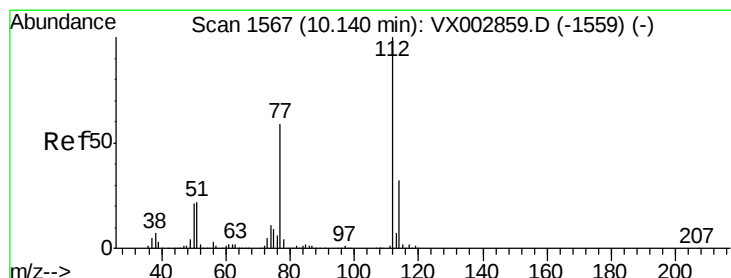
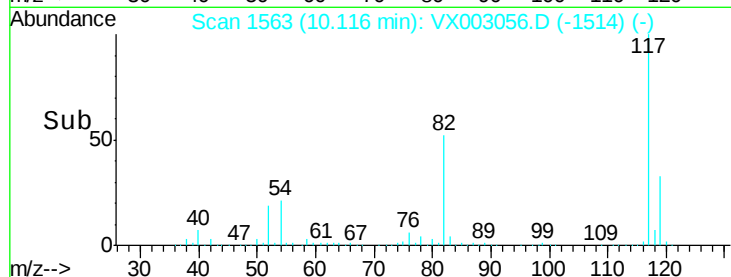
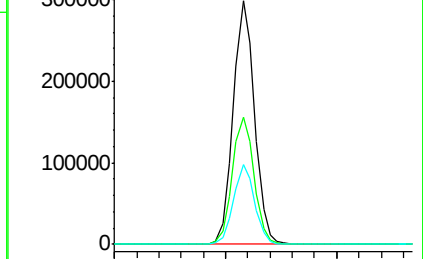
119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.39 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003056.D

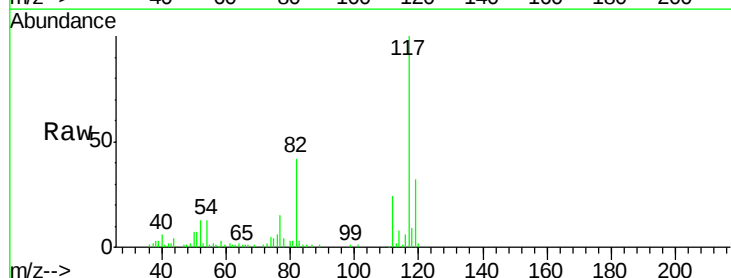
Acq: 30 Jun 2018 03:49

Tgt Ion:112 Resp: 3882

Ion Ratio Lower Upper

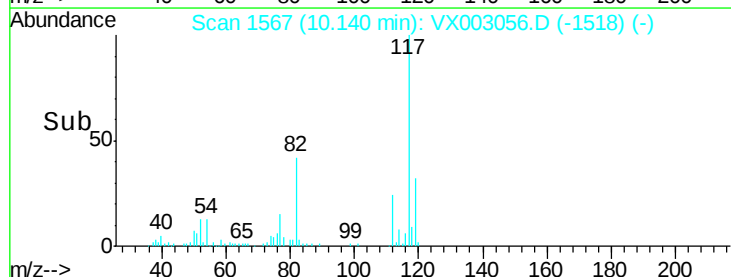
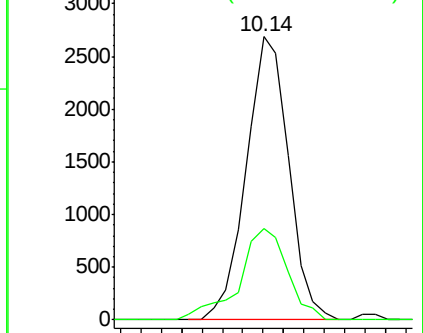
112 100

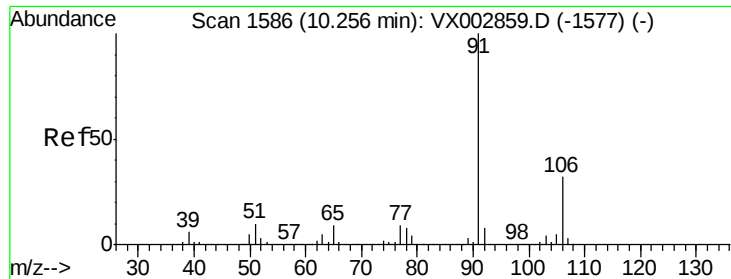
114 32.2 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

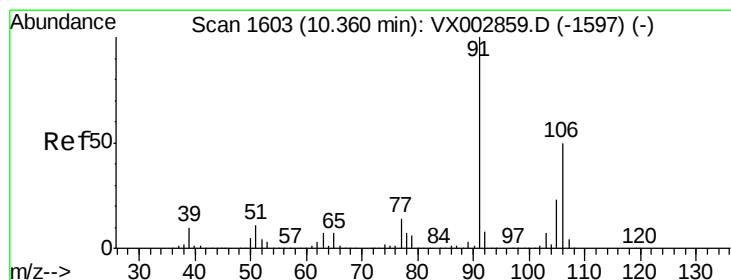
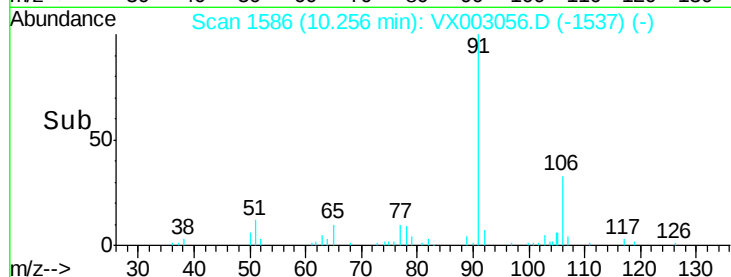
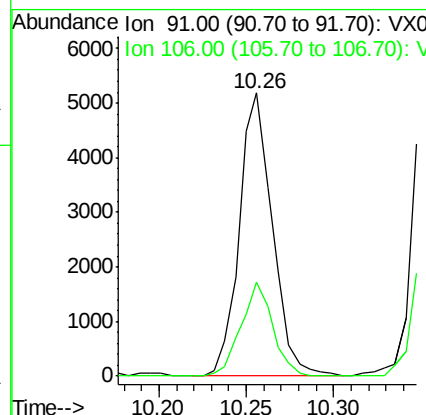
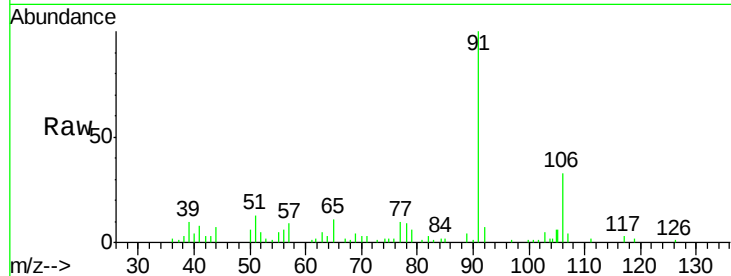




#67  
Ethyl Benzene  
Concen: 0.41 ug/l  
RT: 10.26 min Scan# 1586  
Delta R.T. -0.00 min  
Lab File: VX003056.D  
Acq: 30 Jun 2018 03:49

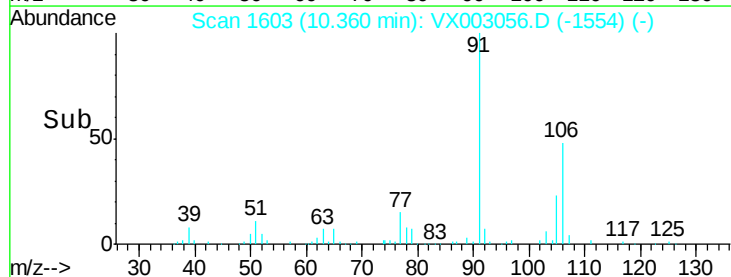
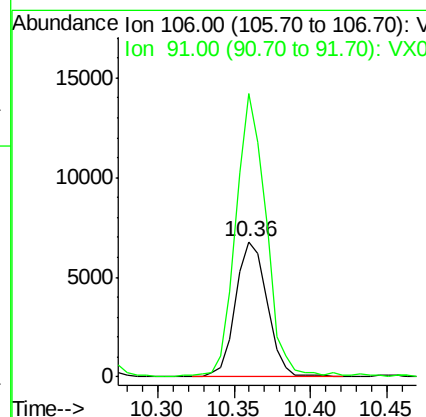
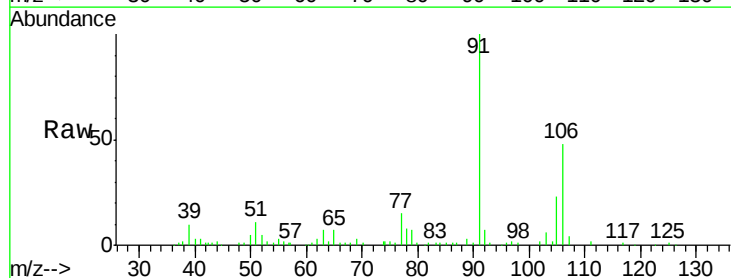
Instrument :  
MSVOA\_X  
ClientSampled :

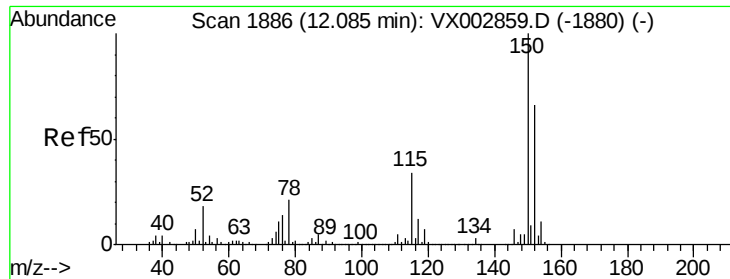
Tot Ion: 91 Resp: 6830  
Ion Ratio Lower Upper  
91 100  
106 33.4 25.5 38.3



#68  
m/p-Xylenes  
Concen: 1.52 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: VX003056.D  
Acq: 30 Jun 2018 03:49

Tgt Ion: 106 Resp: 9734  
Ion Ratio Lower Upper  
106 100  
91 201.5 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

ClientSampleId :

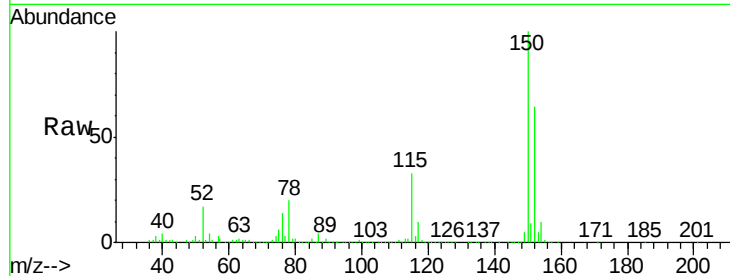
Tot Ion:152 Resp: 239245

Ion Ratio Lower Upper

152 100

115 53.6 40.1 120.2

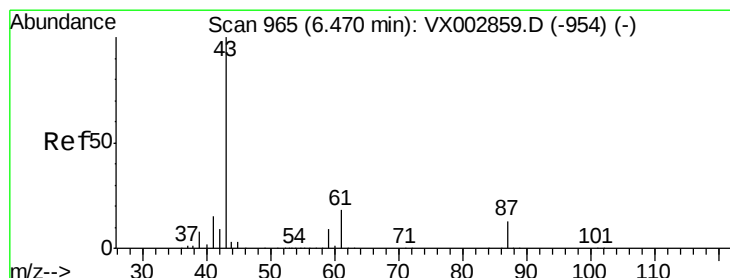
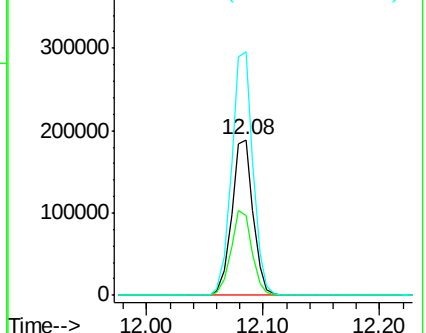
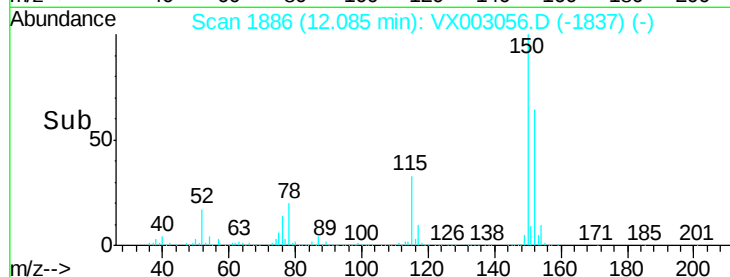
150 157.2 0.0 347.2



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-ethyl acetate

Concen: 0.74 ug/l

RT: 6.34 min Scan# 944

Delta R.T. -0.13 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Tgt Ion: 43 Resp: 5817

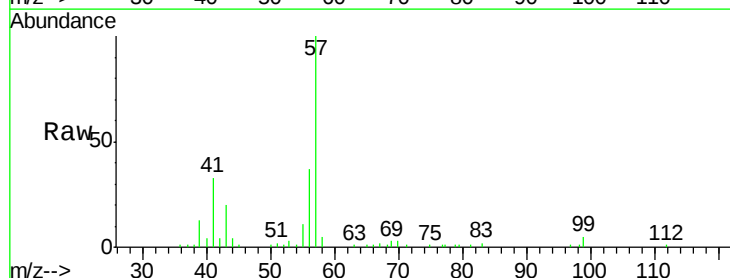
Ion Ratio Lower Upper

43 100

70 19.4 0.0 0.0#

55 47.4 0.0 0.0#

61 0.0 14.4 21.6#

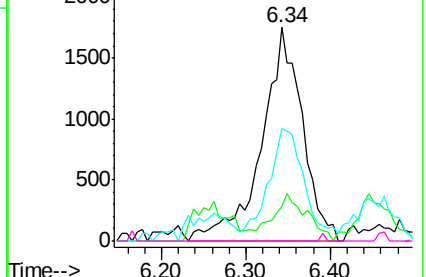
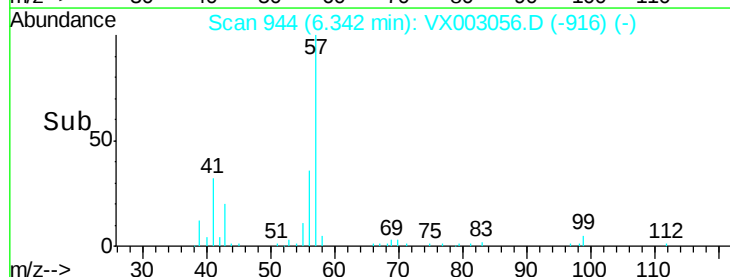


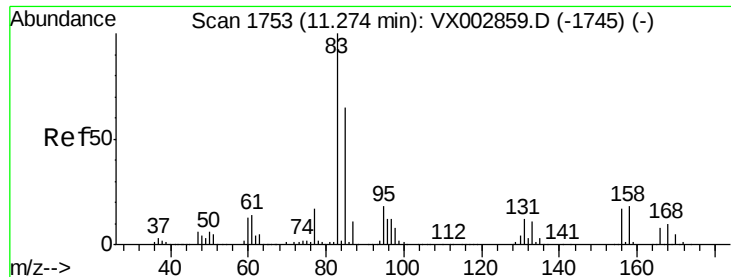
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 0.23 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

ClientSampled :

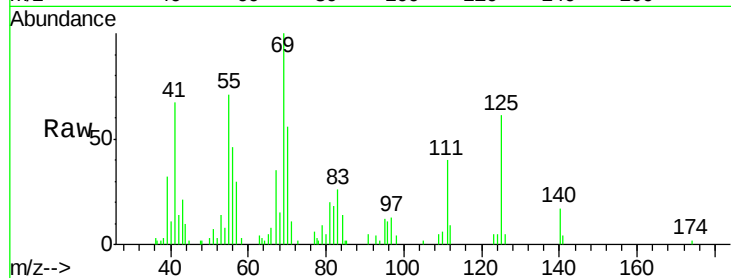
Tot Ion: 83 Resp: 1152

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

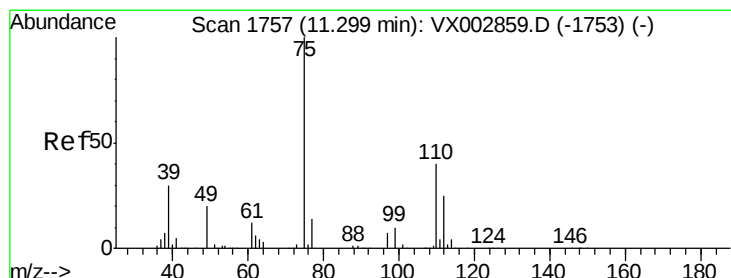
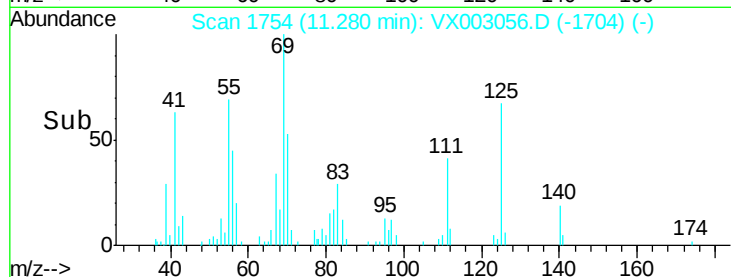
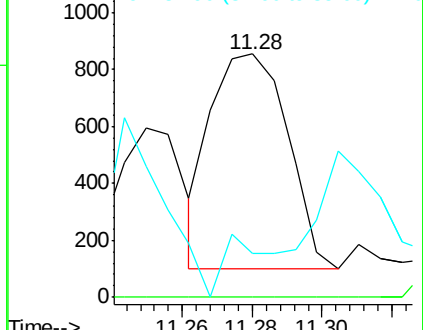
85 0.0 32.4 97.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003056.D

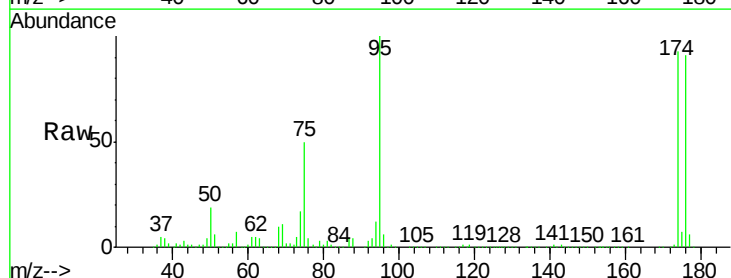
Acq: 30 Jun 2018 03:49

Tgt Ion: 75 Resp: 113130

Ion Ratio Lower Upper

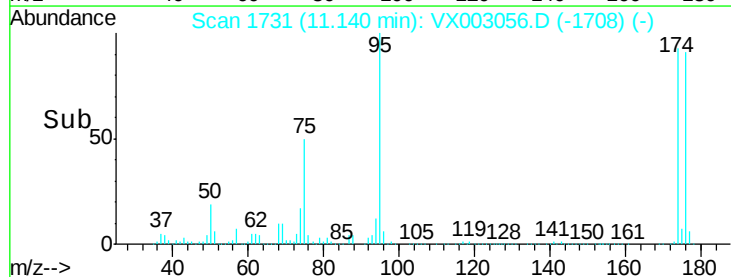
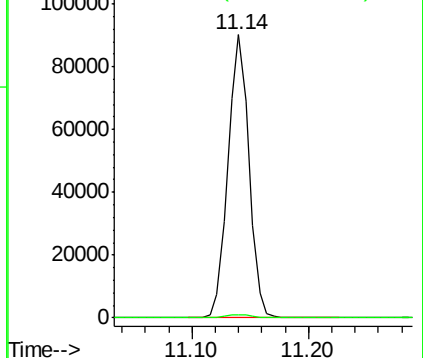
75 100

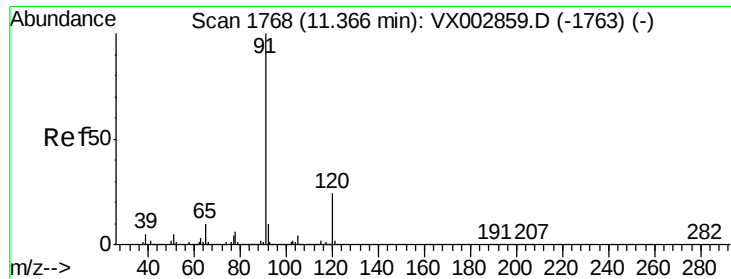
77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.45 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

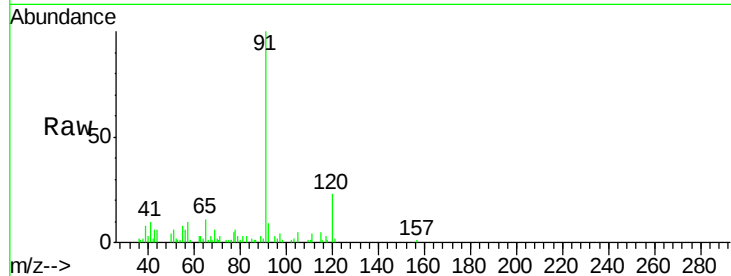
ClientSampled :

Tot Ion: 91 Resp: 8157

Ion Ratio Lower Upper

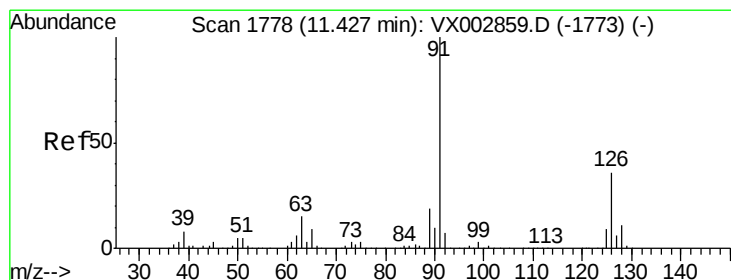
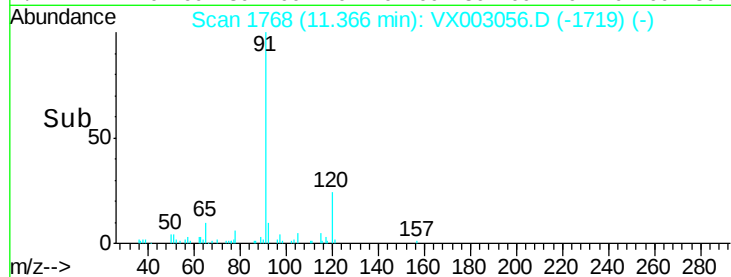
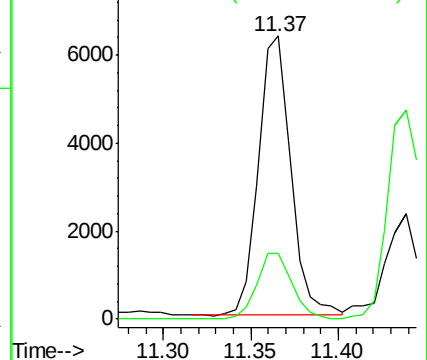
91 100

120 25.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.36 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VX003056.D

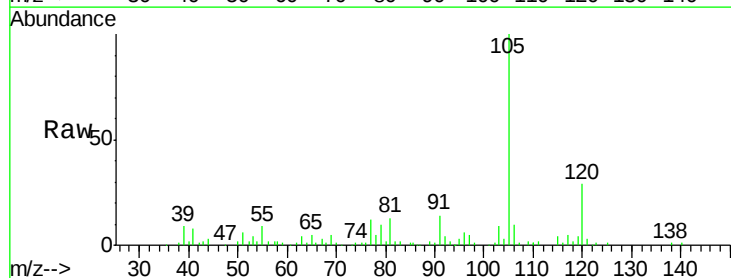
Acq: 30 Jun 2018 03:49

Tgt Ion: 91 Resp: 3938

Ion Ratio Lower Upper

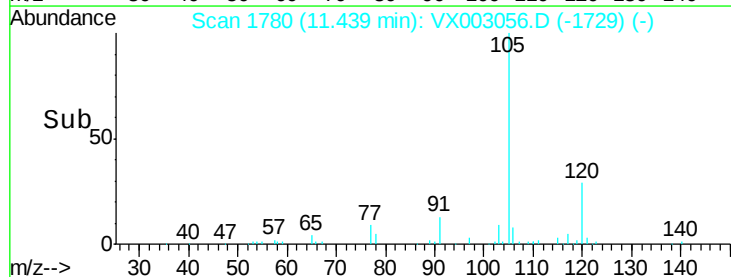
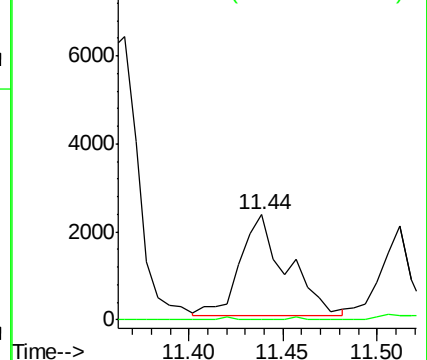
91 100

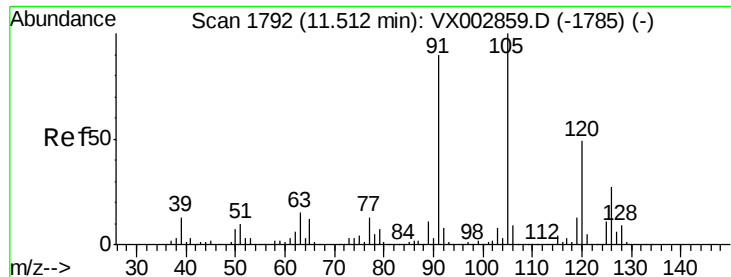
126 0.7 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

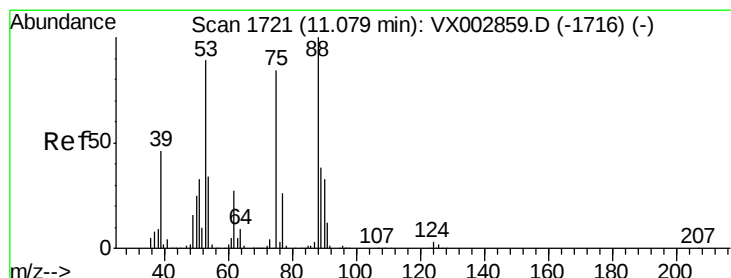
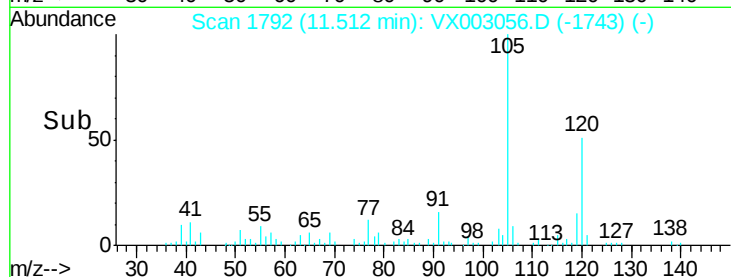
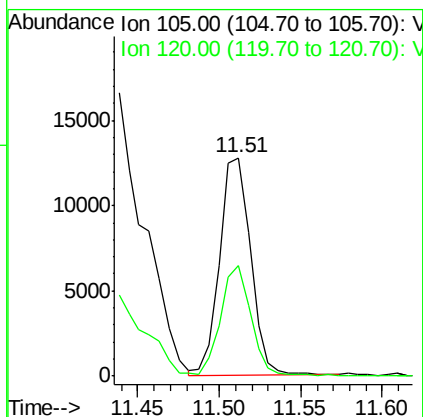
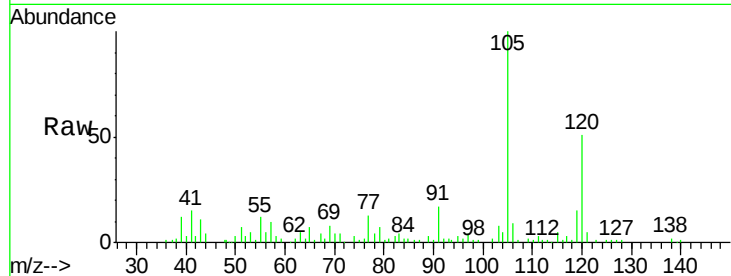




#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.24 ug/l  
 RT: 11.51 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX003056.D  
 Acq: 30 Jun 2018 03:49

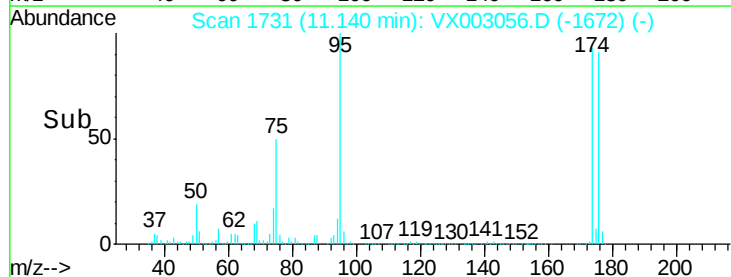
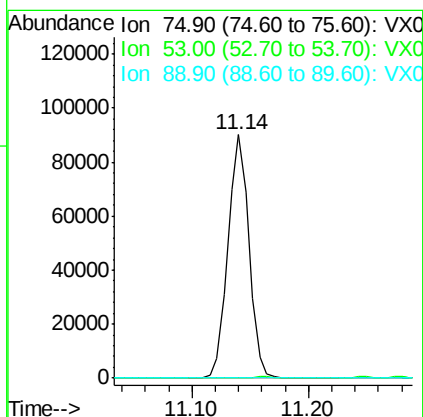
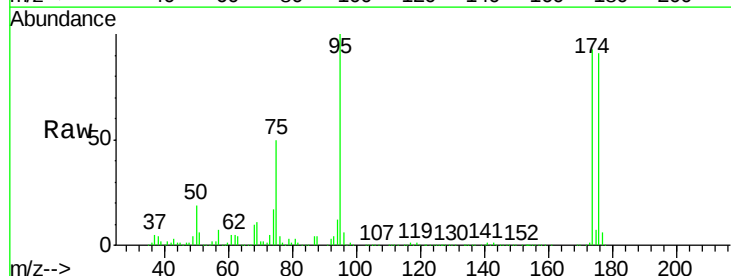
Instrument :  
 MSVOA\_X  
 ClientSampled :

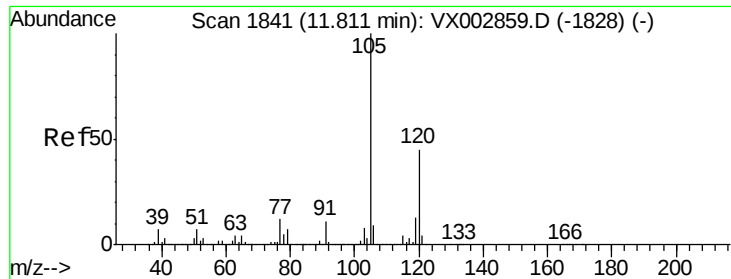
Tot Ion:105 Resp: 16870  
 Ion Ratio Lower Upper  
 105 100  
 120 50.2 24.4 73.4



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 74.01 ug/l  
 RT: 11.14 min Scan# 1731  
 Delta R.T. 0.06 min  
 Lab File: VX003056.D  
 Acq: 30 Jun 2018 03:49

Tgt Ion: 75 Resp: 113130  
 Ion Ratio Lower Upper  
 75 100  
 53 0.4 86.8 130.2#  
 89 0.0 38.2 57.2#





#84

1,2,4-Trimethylbenzene

Concen: 3.17 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

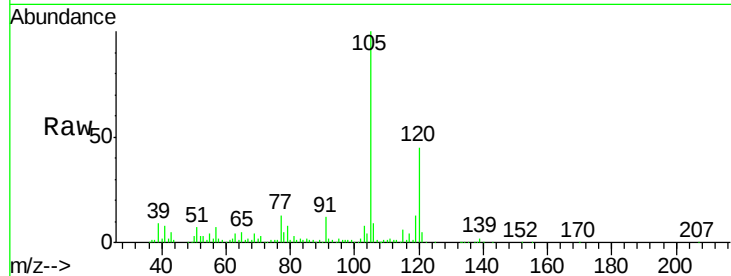
ClientSampled :

Tot Ion:105 Resp: 44519

Ion Ratio Lower Upper

105 100

120 47.1 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.81

40000

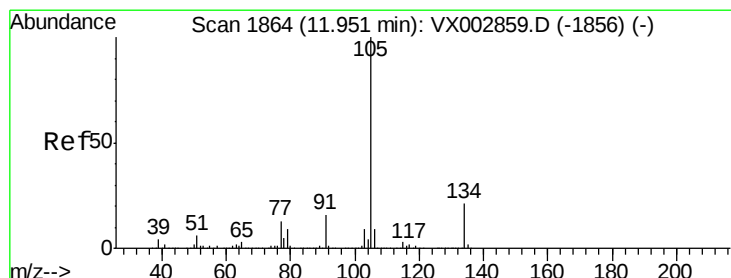
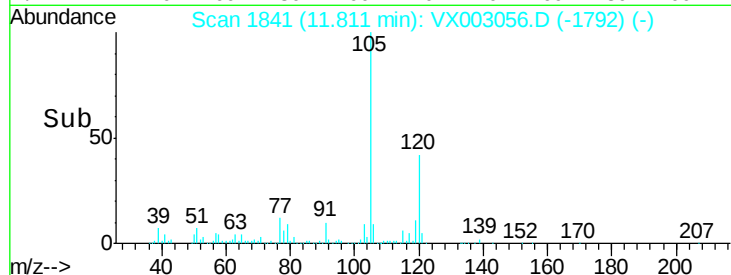
30000

20000

10000

0

Time--> 11.75 11.80 11.85 11.90



#85

sec-Butylbenzene

Concen: 0.50 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003056.D

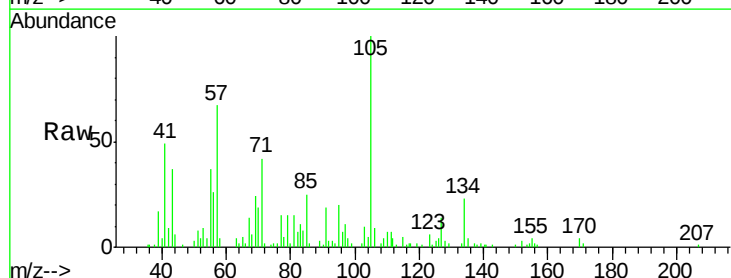
Acq: 30 Jun 2018 03:49

Tgt Ion:105 Resp: 8070

Ion Ratio Lower Upper

105 100

134 18.1 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

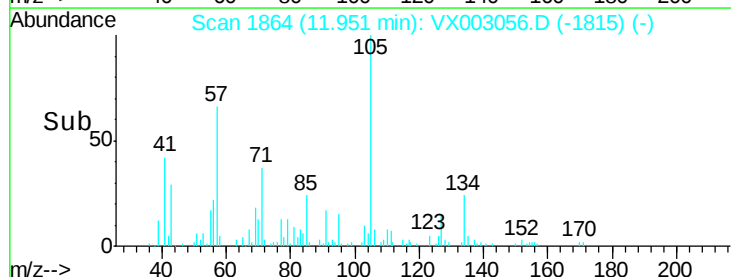
6000

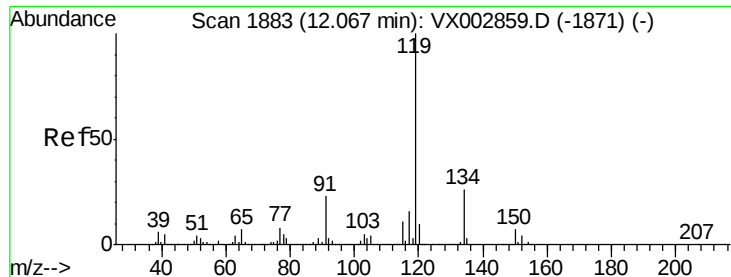
4000

2000

0

Time--> 11.90 11.95 12.00

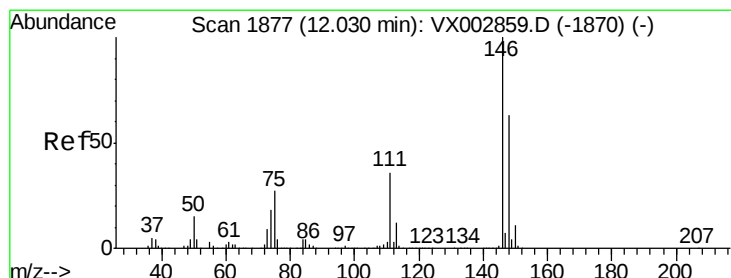
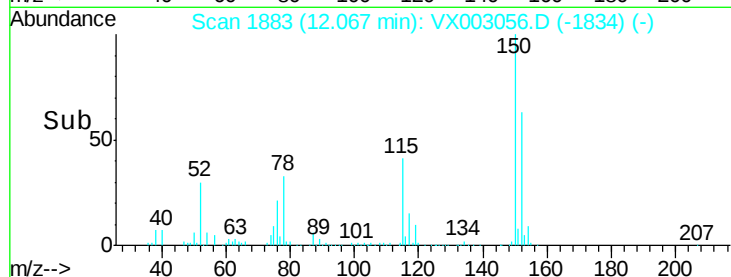
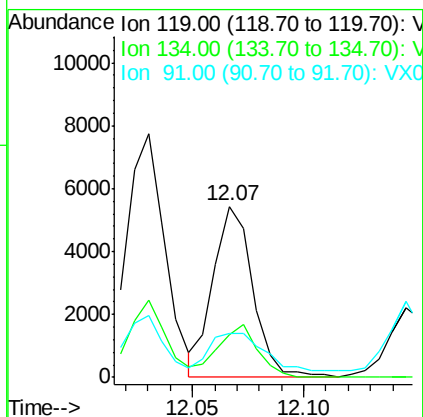
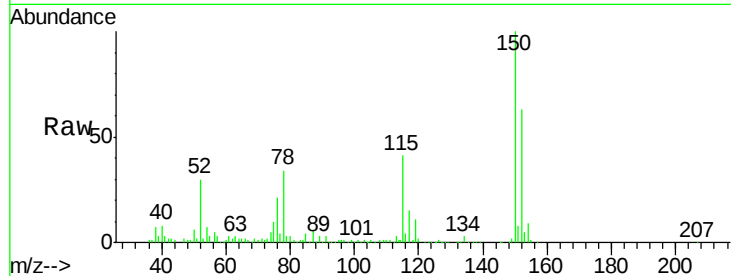




#86  
p-Isopropyltoluene  
Concen: 0.46 ug/l  
RT: 12.07 min Scan# 1883  
Delta R.T. -0.00 min  
Lab File: VX003056.D  
Acq: 30 Jun 2018 03:49

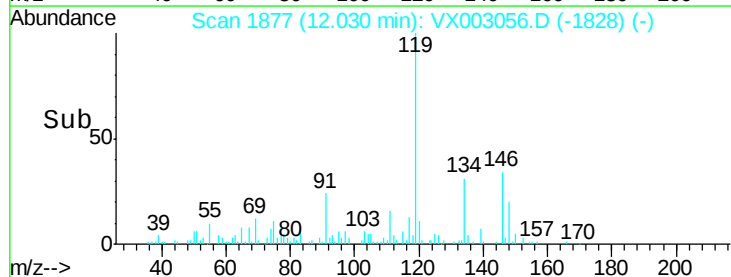
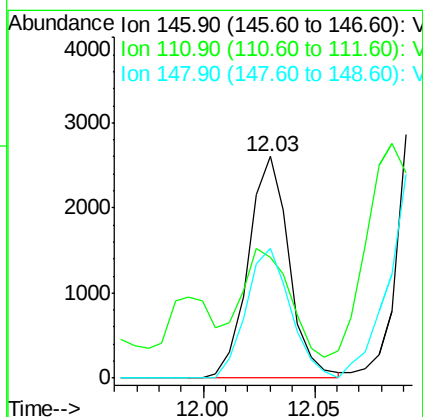
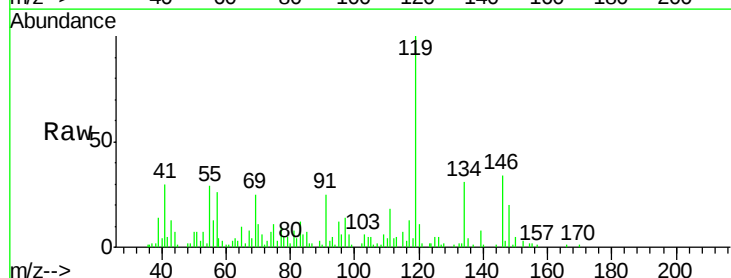
Instrument :  
MSVOA\_X  
ClientSampled :

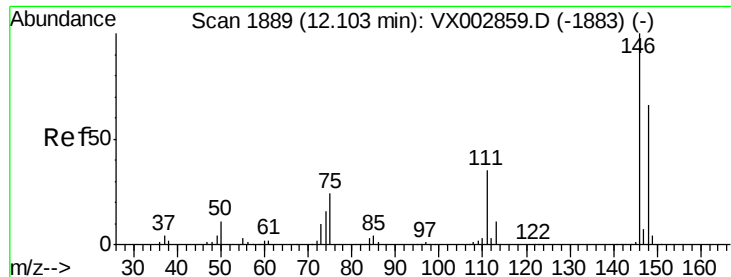
Tot Ion:119 Resp: 6774  
Ion Ratio Lower Upper  
119 100  
134 31.3 13.4 40.1  
91 29.5 11.9 35.7



#87  
1,3-Dichlorobenzene  
Concen: 0.40 ug/l  
RT: 12.03 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX003056.D  
Acq: 30 Jun 2018 03:49

Tgt Ion:146 Resp: 3317  
Ion Ratio Lower Upper  
146 100  
111 57.9 18.9 56.7#  
148 63.2 32.1 96.3

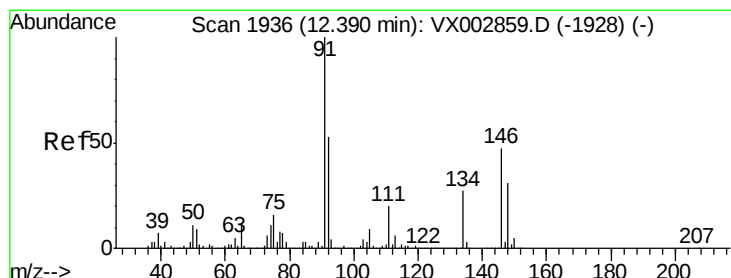
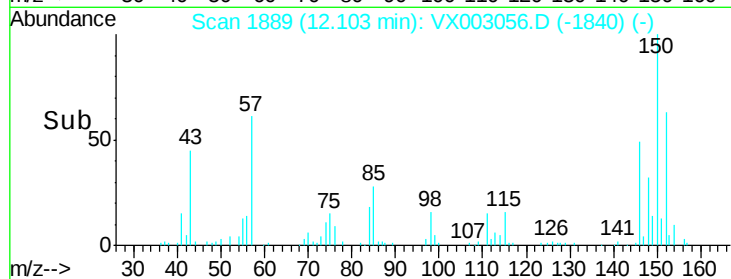
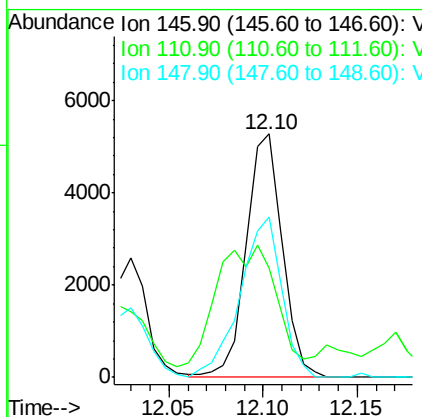
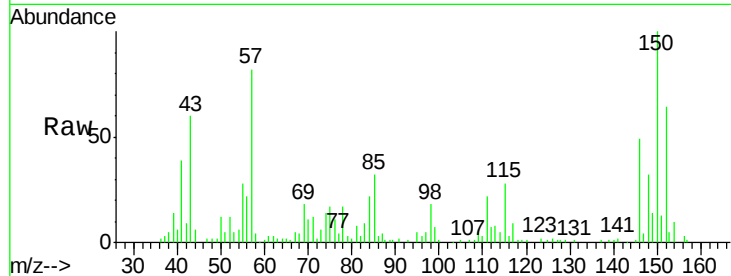




#88  
 1,4-Dichlorobenzene  
 Concen: 0.81 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. -0.00 min  
 Lab File: VX003056.D  
 Acq: 30 Jun 2018 03:49

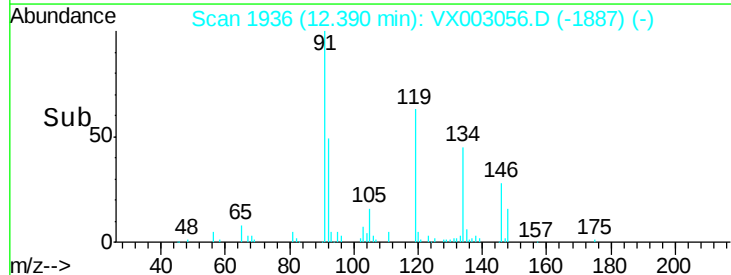
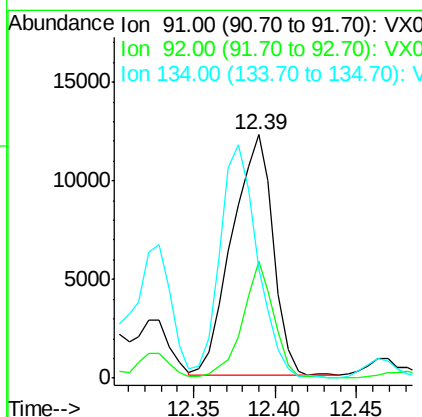
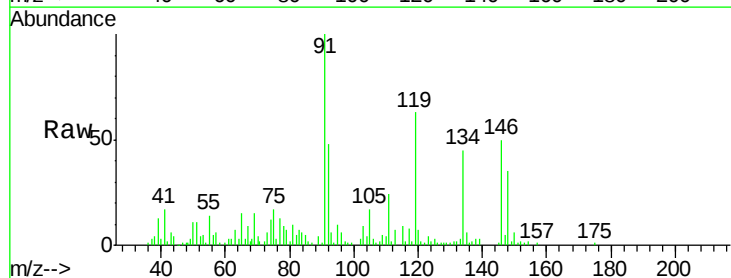
Instrument :  
 MSVOA\_X  
 ClientSampleId :

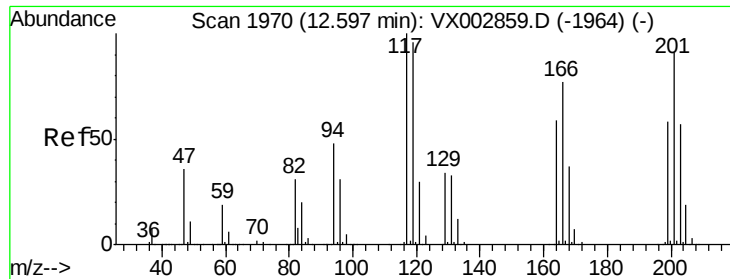
Tot Ion:146 Resp: 7011  
 Ion Ratio Lower Upper  
 146 100  
 111 85.0 18.7 56.1#  
 148 76.1 32.4 97.0



#89  
 n-Butylbenzene  
 Concen: 1.67 ug/l  
 RT: 12.39 min Scan# 1936  
 Delta R.T. -0.00 min  
 Lab File: VX003056.D  
 Acq: 30 Jun 2018 03:49

Tgt Ion: 91 Resp: 21217  
 Ion Ratio Lower Upper  
 91 100  
 92 37.5 26.0 78.0  
 134 89.8 13.5 40.5#





#90

Hexachloroethane

Concen: 1.63 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA\_X

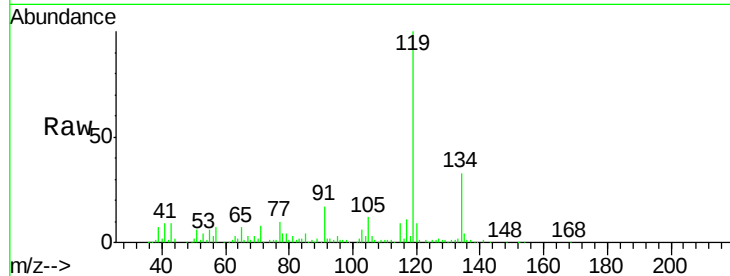
ClientSampled :

Tot Ion:117 Resp: 3538

Ion Ratio Lower Upper

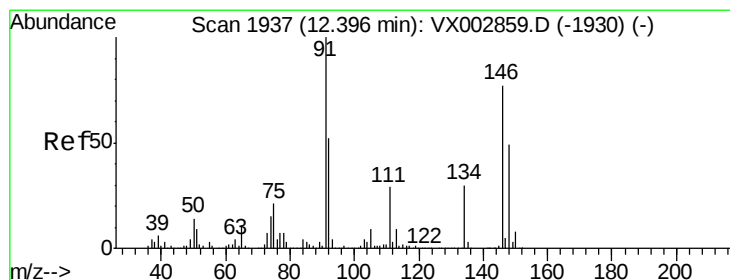
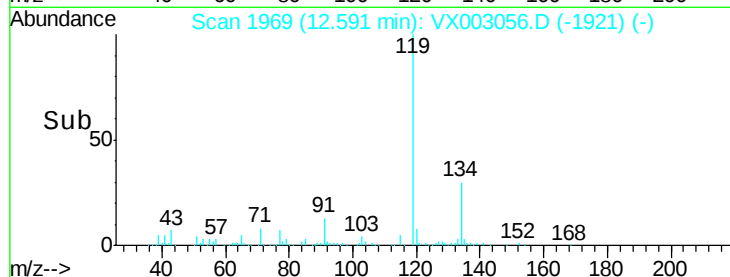
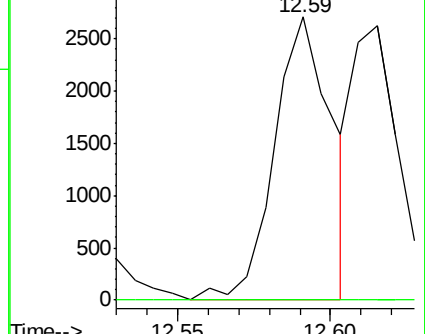
117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 1.19 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

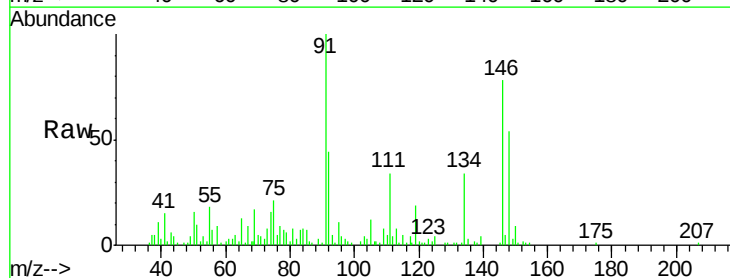
Tgt Ion:146 Resp: 10069

Ion Ratio Lower Upper

146 100

111 50.4 19.4 58.1

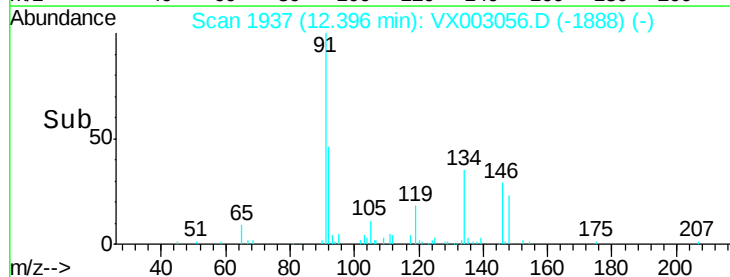
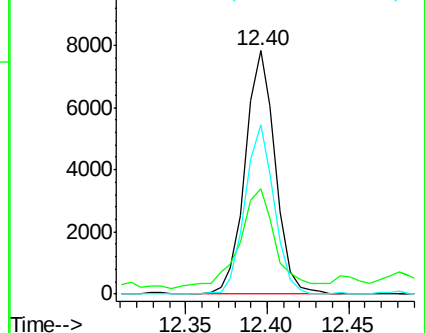
148 67.5 31.7 95.1

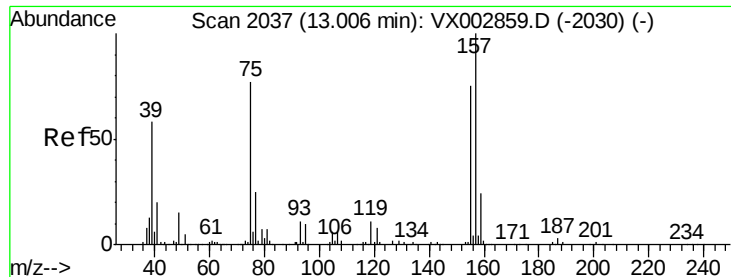


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

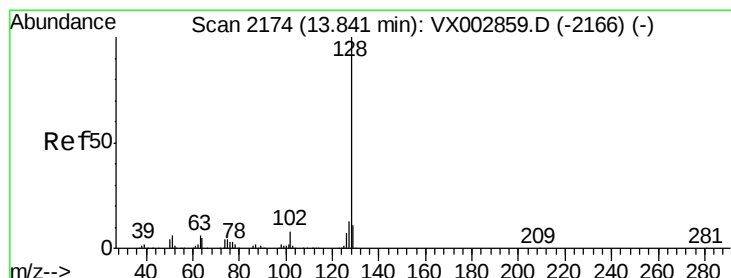
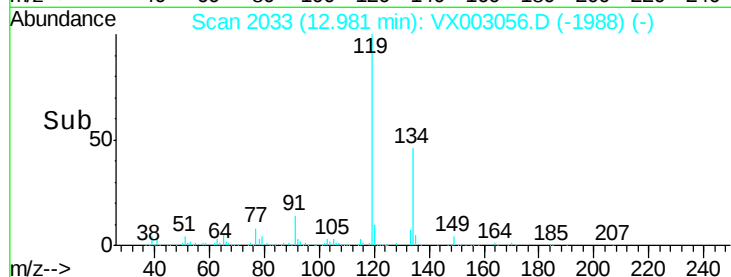
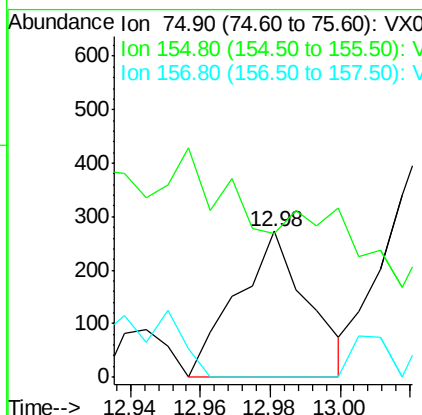
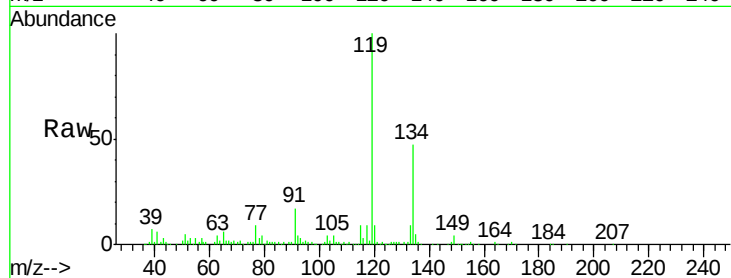




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.34 ug/l  
 RT: 12.98 min Scan# 2033  
 Delta R.T. -0.02 min  
 Lab File: VX003056.D  
 Acq: 30 Jun 2018 03:49

Instrument :  
 MSVOA\_X  
 ClientSampled :

Tot Ion: 75 Resp: 381  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 45.8 137.4#  
 157 0.0 60.1 180.3#



#95  
 Naphthalene  
 Concen: 1.78 ug/l  
 RT: 13.84 min Scan# 2174  
 Delta R.T. -0.00 min  
 Lab File: VX003056.D  
 Acq: 30 Jun 2018 03:49

Tgt Ion:128 Resp: 29195  
 Ion Ratio Lower Upper  
 128 100  
 127 15.0 10.4 15.6  
 129 13.4 8.6 13.0#

