

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\  
 Data File : VX000620.D  
 Acq On : 01 Apr 2018 03:38  
 Operator : JC/MD  
 Sample : J2132-05 50X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 02 05:27:25 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X032018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 21 04:52:42 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.68  | 168  | 112145   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 182642   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 184068   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 107495   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.08  | 65   | 70213    | 47.96 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.92% |          |
| 35) Dibromofluoromethane    | 5.52  | 113  | 55367    | 48.11 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.22% |          |
| 50) Toluene-d8              | 8.73  | 98   | 228482   | 47.94 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.88% |          |
| 62) 4-Bromofluorobenzene    | 11.15 | 95   | 86995    | 44.03 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 88.06% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 6) Chloroethane                | 1.68  | 64   | 230      | Below Cal | #      | 44     |
| 10) Methyl Iodide              | 2.28  | 142  | 26       | 4.293     | ug/l # | 37     |
| 13) Acrolein                   | 2.27  | 56   | 3048     | 32.431    | ug/l # | 1      |
| 14) Allyl chloride             | 2.78  | 41   | 2155     | 0.904     | ug/l # | 22     |
| 15) Acrylonitrile              | 3.18  | 53   | 1048     | 1.028     | ug/l # | 17     |
| 16) Acetone                    | 2.45  | 43   | 1338     | 1.099     | ug/l # | 71     |
| 18) Methyl Acetate             | 2.77  | 43   | 1917     | 0.751     | ug/l # | 51     |
| 20) Methylene Chloride         | 2.87  | 84   | 301      | 0.214     | ug/l # | 22     |
| 25) 2-Butanone                 | 4.72  | 43   | 278      | 0.203     | ug/l # | 49     |
| 29) Tetrahydrofuran            | 5.18  | 42   | 292      | 0.347     | ug/l # | 42     |
| 30) Chloroform                 | 5.29  | 83   | 498      | 0.222     | ug/l # | 17     |
| 31) Cyclohexane                | 5.59  | 56   | 13344    | 7.225     | ug/l   | 96     |
| 36) 1,1-Dichloropropene        | 5.68  | 75   | 8618     | 5.037     | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 5.68  | 117  | 11496    | 6.405     | ug/l # | 14     |
| 39) Methylcyclohexane          | 7.47  | 83   | 6091     | 2.927     | ug/l   | 90     |
| 40) Benzene                    | 6.15  | 78   | 6385     | 1.285     | ug/l   | 100    |
| 52) Toluene                    | 8.79  | 92   | 113110   | 32.566    | ug/l   | 97     |
| 54) cis-1,3-Dichloropropene    | 8.79  | 75   | 1542     | 0.781     | ug/l # | 1      |
| 67) Ethyl Benzene              | 10.26 | 91   | 269735   | 38.844    | ug/l   | 99     |
| 68) m/p-Xylenes                | 10.37 | 106  | 334700   | 122.489   | ug/l   | 98     |
| 69) o-Xylene                   | 10.71 | 106  | 80718    | 30.509    | ug/l   | 97     |
| 70) Styrene                    | 10.71 | 104  | 4807     | 1.098     | ug/l # | 1      |
| 73) Isopropylbenzene           | 11.02 | 105  | 8968     | 1.259     | ug/l   | 99     |
| 74) N-amyl acetate             | 6.49  | 43   | 184      | Below Cal | #      | 59     |
| 76) 1,2,3-Trichloropropane     | 11.44 | 75   | 1757     | 0.761     | ug/l # | 1      |
| 78) n-propylbenzene            | 11.37 | 91   | 26257    | 3.092     | ug/l   | 98     |
| 79) 2-Chlorotoluene            | 11.44 | 91   | 19057    | 3.884     | ug/l # | 40     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 42668    | 7.125     | ug/l   | 98     |
| 81) trans-1,4-Dichloro-2-buten | 11.15 | 75   | 50448    | 70.699    | ug/l # | 9      |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 5427     | 0.926     | ug/l # | 44     |
| 83) tert-Butylbenzene          | 11.82 | 119  | 19768    | 3.273     | ug/l # | 50     |
| 84) 1,2,4-Trimethylbenzene     | 11.82 | 105  | 162271   | 25.845    | ug/l   | 99     |
| 85) sec-Butylbenzene           | 11.82 | 105  | 162271   | 21.714    | ug/l # | 56     |
| 89) n-Butylbenzene             | 12.39 | 91   | 4330     | 0.701     | ug/l # | 22     |

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ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Apr 02 05:27:25 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X032018W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 21 04:52:42 2018  
Response via : Initial Calibration

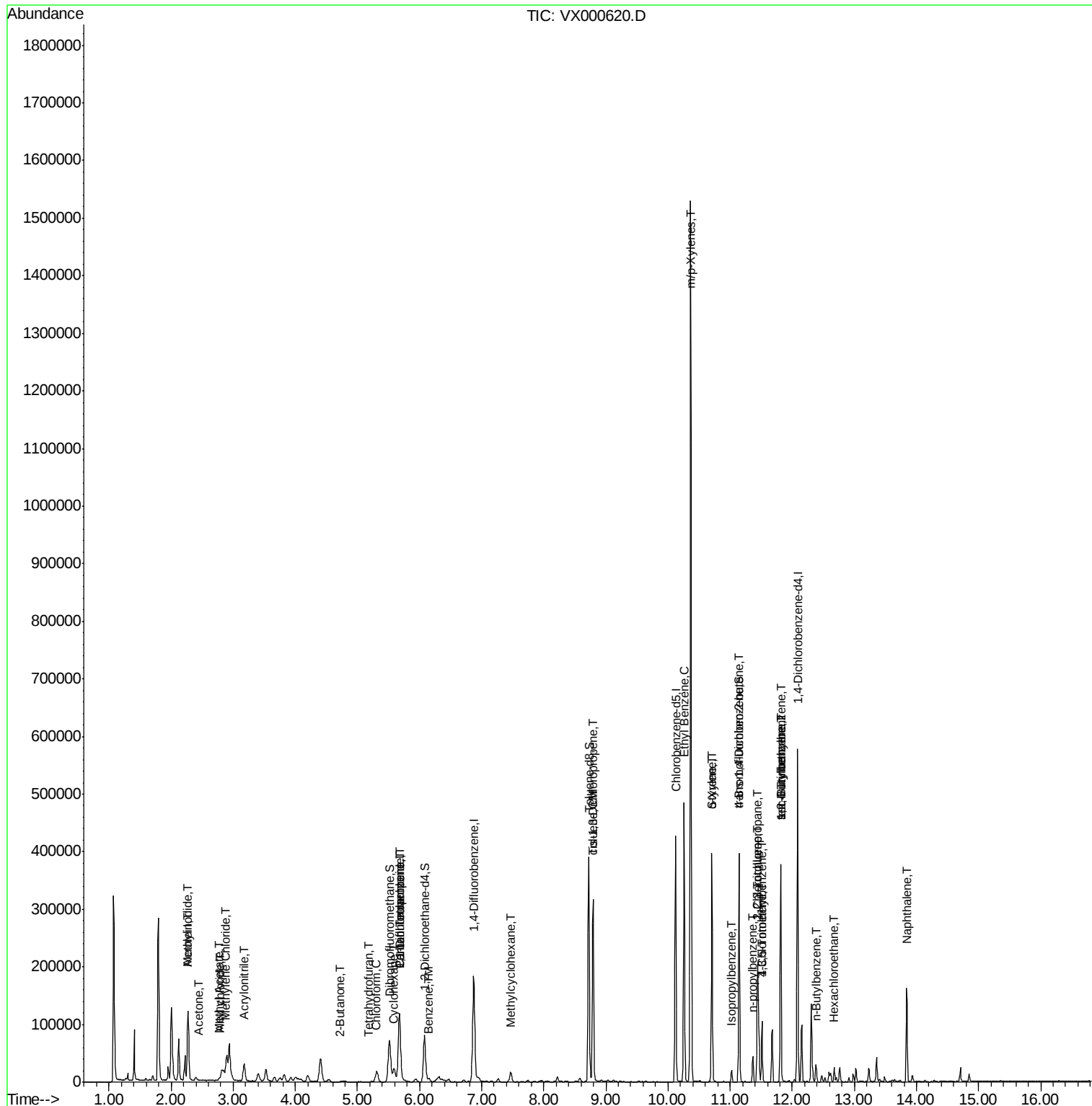
| Internal Standards   | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|----------------------|-------|------|----------|--------|--------|----------|
| 90) Hexachloroethane | 12.68 | 117  | 1326     | 1.269  | ug/l # | 12       |
| 95) Naphthalene      | 13.84 | 128  | 94804    | 10.794 | ug/l   | 100      |

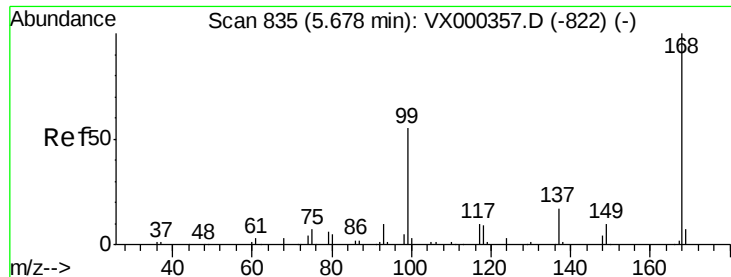
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Mar 21 04:52:42 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

Instrument :

MSVOA\_X

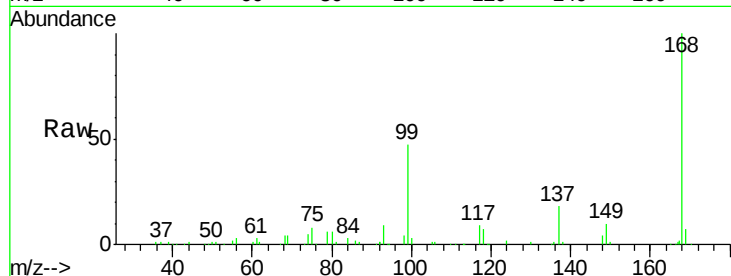
ClientSampleId :

Tot Ion:168 Resp: 112145

Ion Ratio Lower Upper

168 100

99 47.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

40000

30000

20000

10000

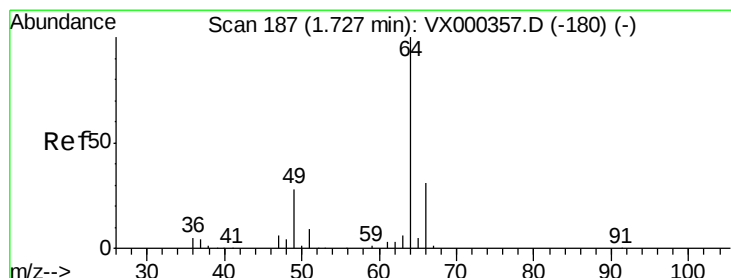
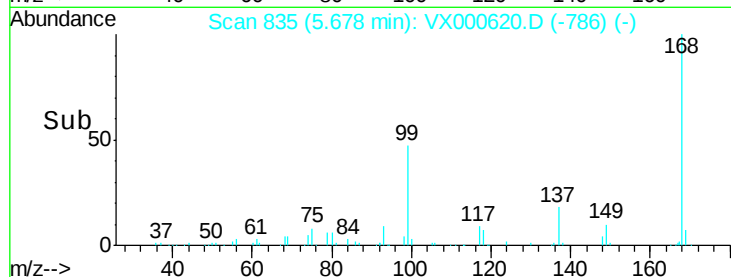
0

5.60

5.70

5.80

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX000620.D

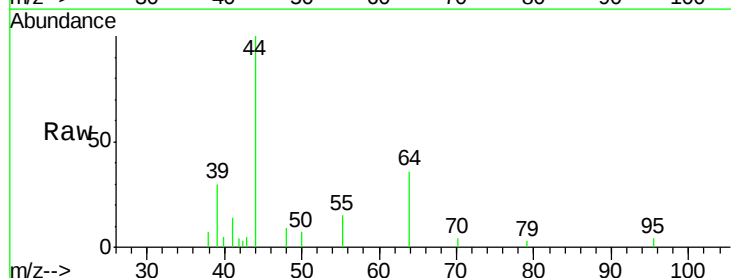
Acq: 01 Apr 2018 03:38

Tgt Ion: 64 Resp: 230

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

600

500

400

300

200

100

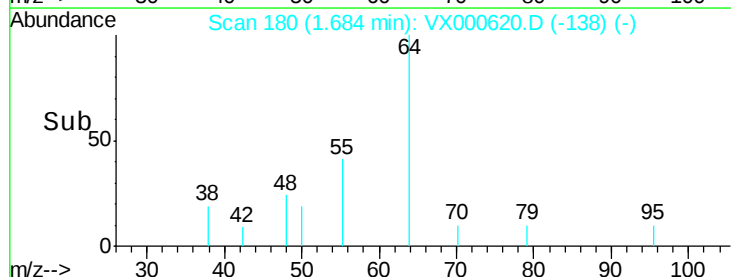
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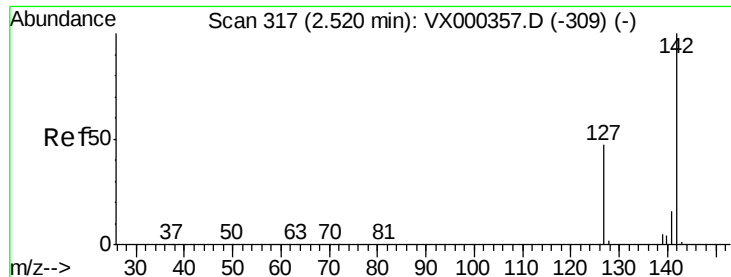
1.66

1.68

1.70

Time-->

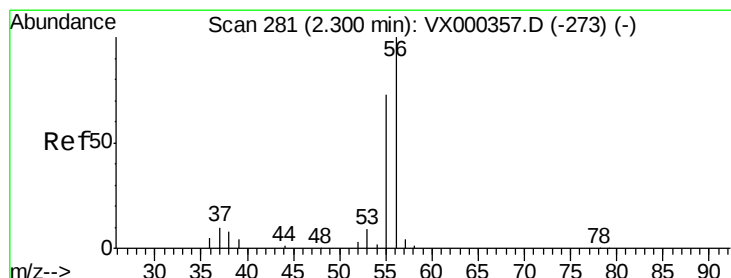
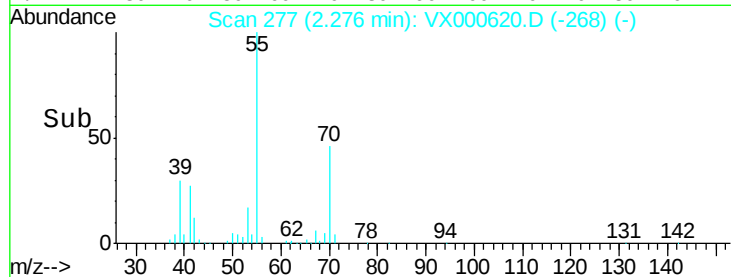
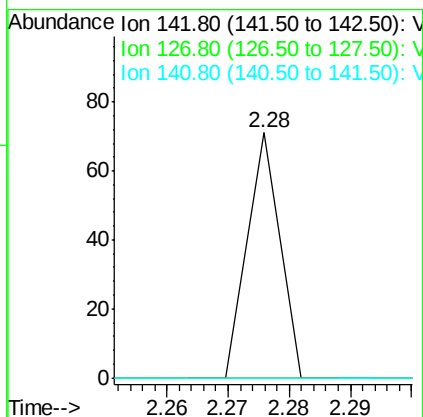
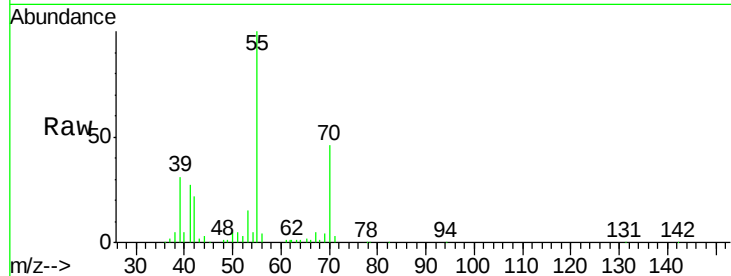




#10  
Methyl Iodide  
Concen: 4.293 ug/l  
RT: 2.28 min Scan# 277  
Delta R.T. -0.24 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

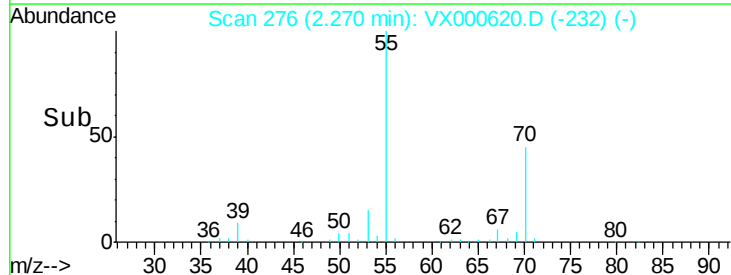
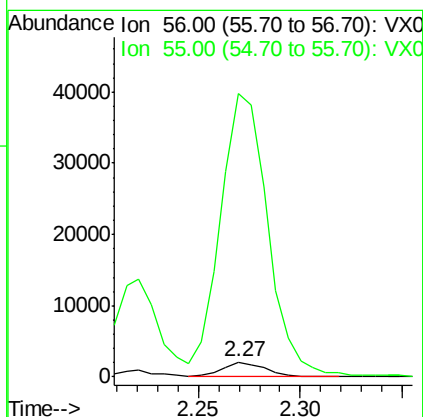
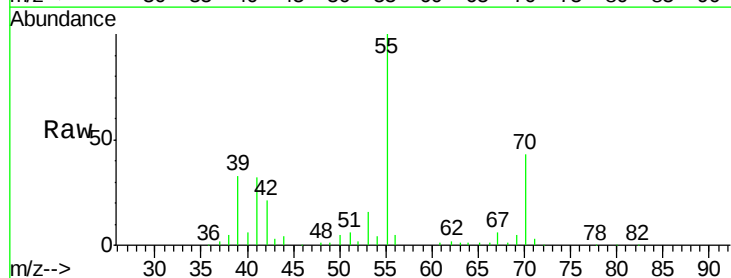
Instrument :  
MSVOA\_X  
ClientSampled :

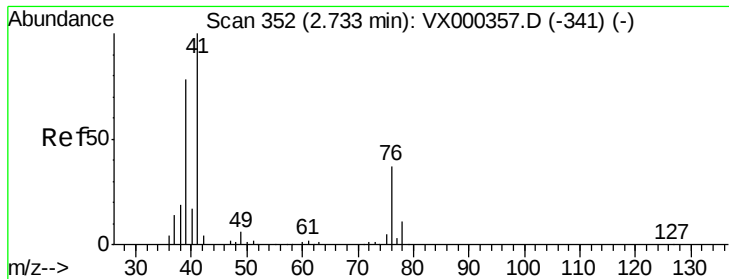
Tot Ion:142 Resp: 26  
Ion Ratio Lower Upper  
142 100  
127 0.0 39.2 58.8#  
141 0.0 11.7 17.5#



#13  
Acrolein  
Concen: 32.431 ug/l  
RT: 2.27 min Scan# 276  
Delta R.T. -0.03 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

Tgt Ion: 56 Resp: 3048  
Ion Ratio Lower Upper  
56 100  
55 2106.5 58.8 88.2#

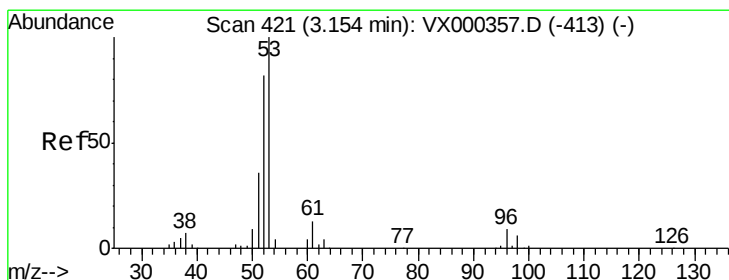
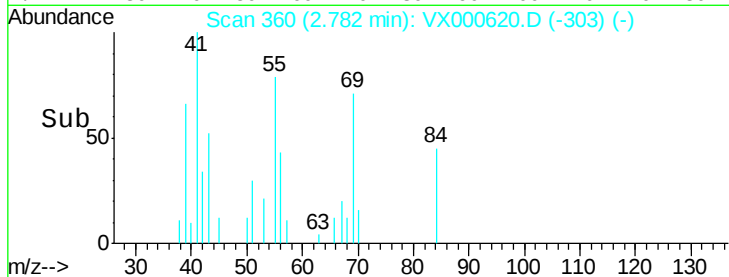
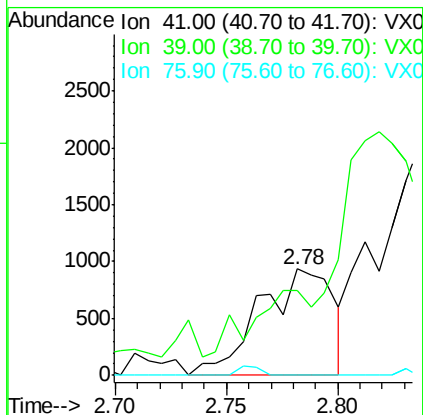
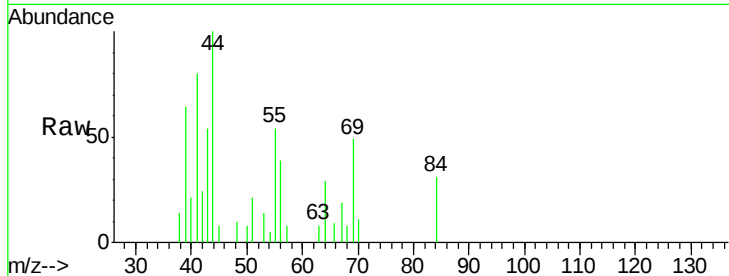




#14  
Allvl chloride  
Concen: 0.904 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.05 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

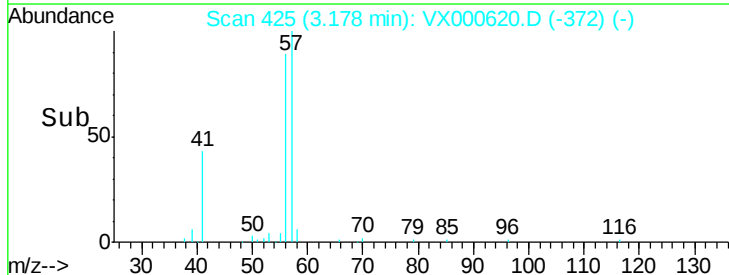
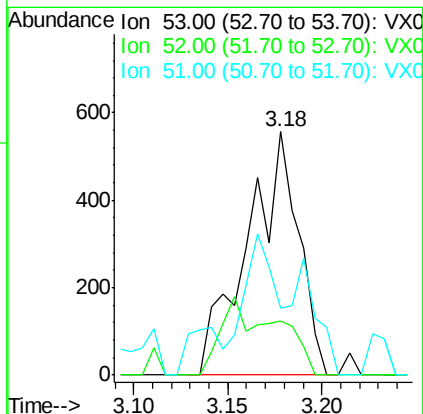
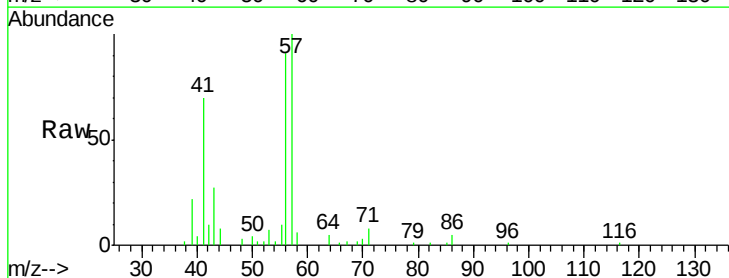
Instrument :  
MSVOA\_X  
ClientSampled :

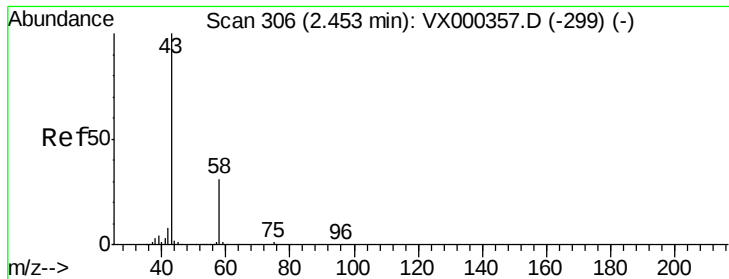
Tot Ion: 41 Resp: 2155  
Ion Ratio Lower Upper  
41 100  
39 0.0 57.6 86.4#  
76 0.0 27.3 40.9#



#15  
Acrylonitrile  
Concen: 1.028 ug/l  
RT: 3.18 min Scan# 425  
Delta R.T. 0.02 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

Tgt Ion: 53 Resp: 1048  
Ion Ratio Lower Upper  
53 100  
52 0.0 66.6 99.8#  
51 0.0 29.3 43.9#





#16

Acetone

Concen: 1.099 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

Instrument :

MSVOA\_X

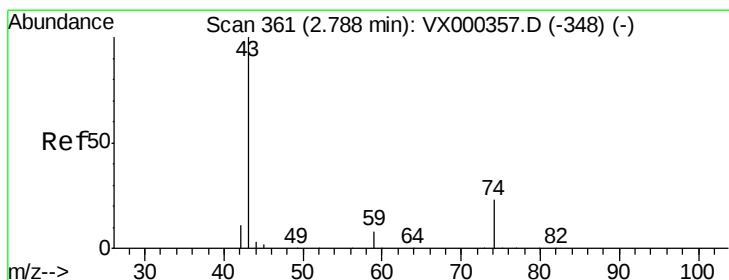
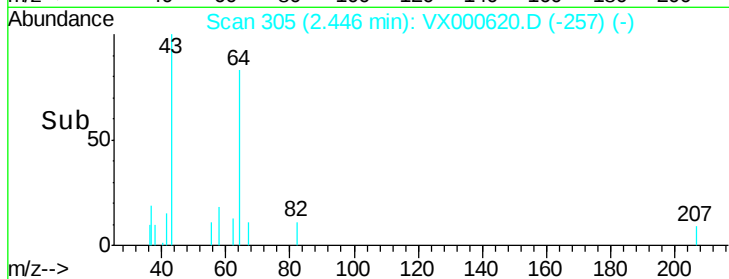
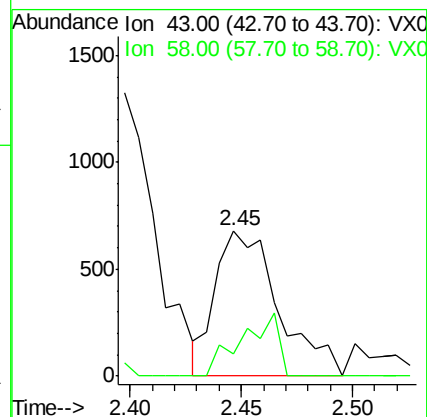
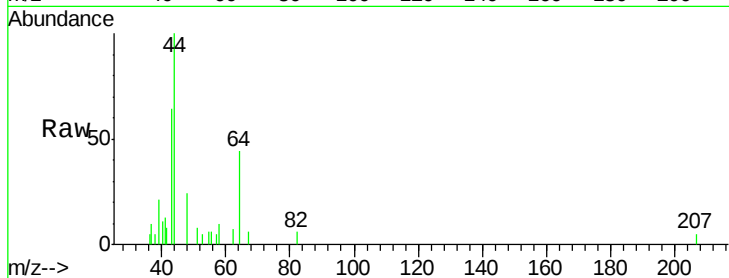
ClientSampled :

Tot Ion: 43 Resp: 1338

Ion Ratio Lower Upper

43 100

58 15.0 24.7 37.1#



#18

Methyl Acetate

Concen: 0.751 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.02 min

Lab File: VX000620.D

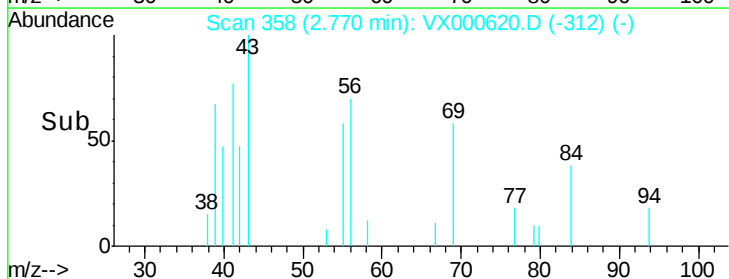
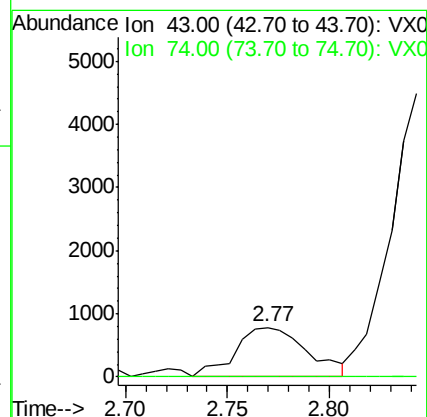
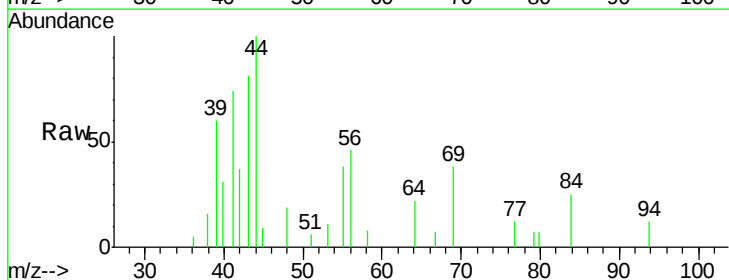
Acq: 01 Apr 2018 03:38

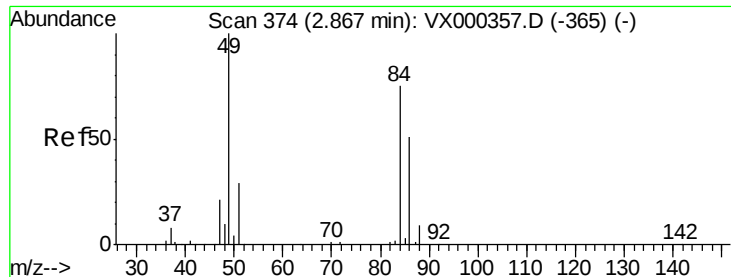
Tgt Ion: 43 Resp: 1917

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#

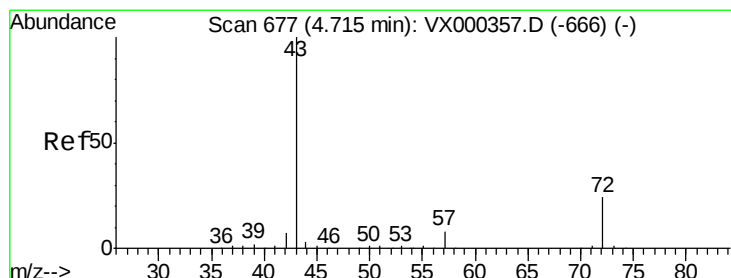
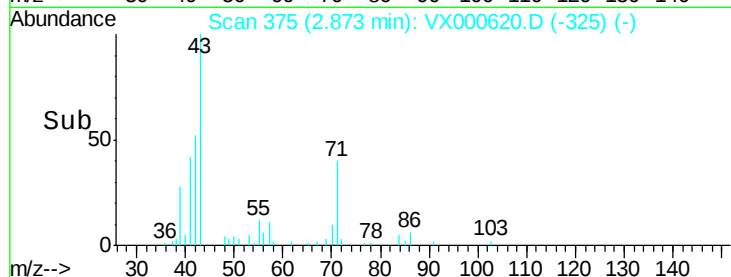
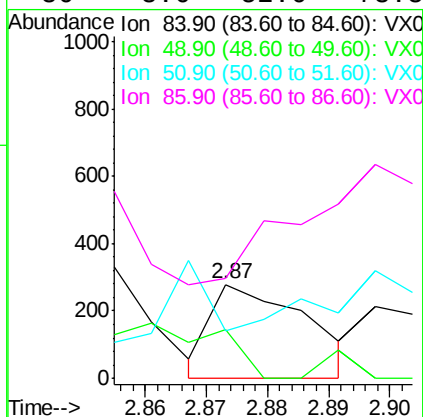
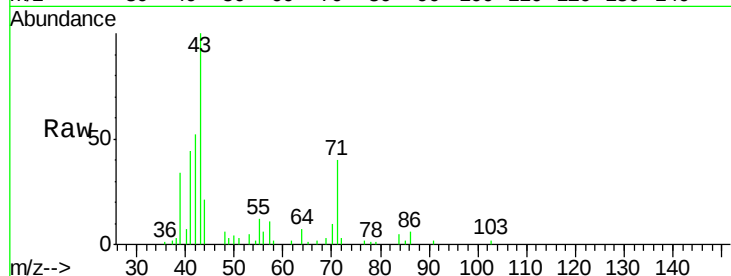




#20  
Methylene Chloride  
Concen: 0.214 ug/l  
RT: 2.87 min Scan# 375  
Delta R.T. 0.01 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

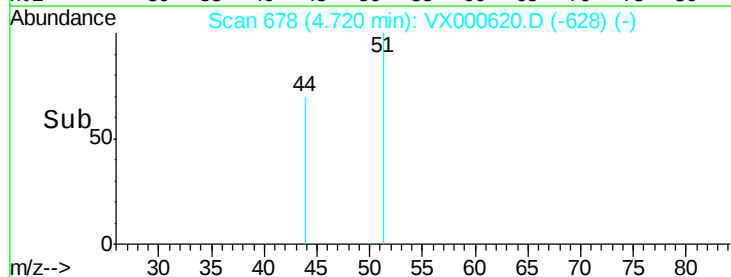
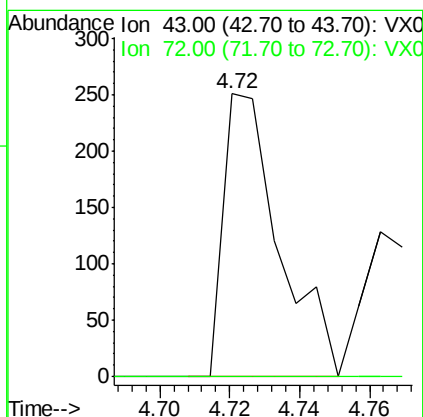
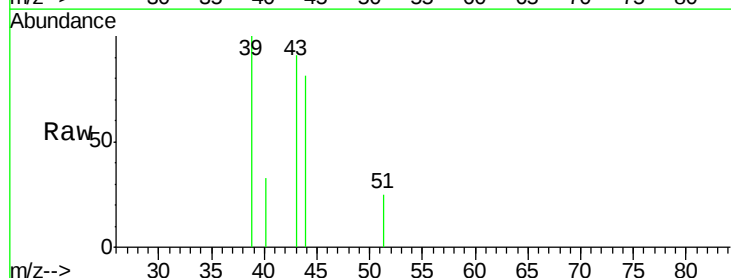
Instrument :  
MSVOA\_X  
ClientSampled :

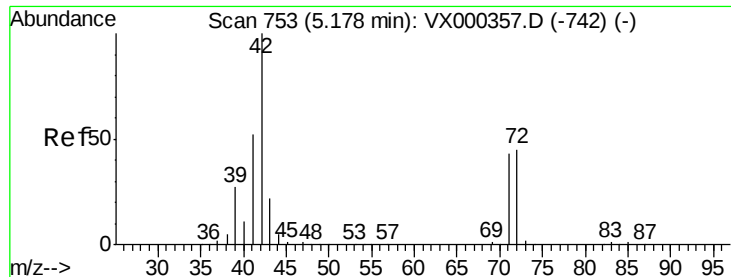
Tot Ion: 84 Resp: 301  
Ion Ratio Lower Upper  
84 100  
49 27.6 100.6 151.0#  
51 0.0 31.6 47.4#  
86 8.6 52.6 78.8#



#25  
2-Butanone  
Concen: 0.203 ug/l  
RT: 4.72 min Scan# 678  
Delta R.T. 0.01 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

Tgt Ion: 43 Resp: 278  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.0 31.6#

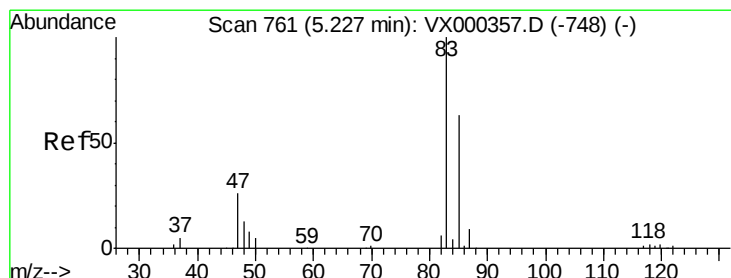
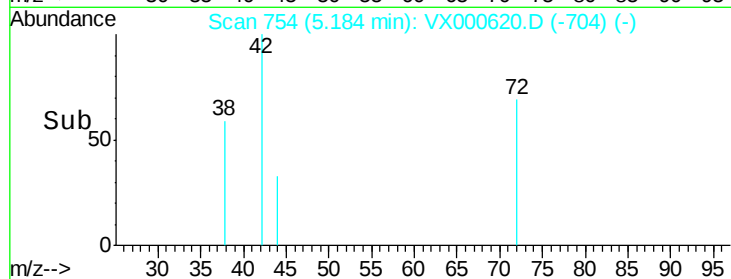
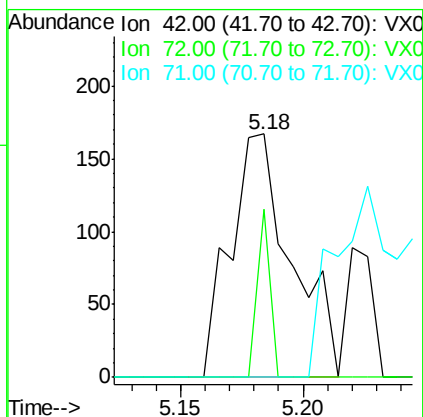
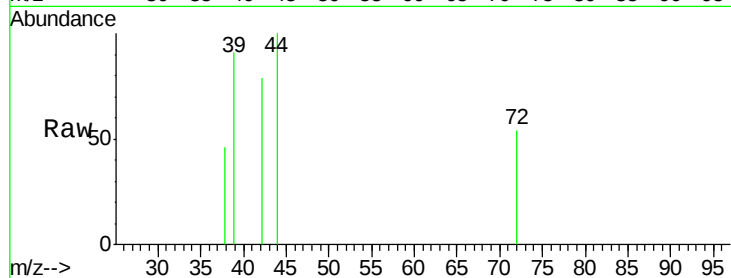




#29  
Tetrahydrofuran  
Concen: 0.347 ug/l  
RT: 5.18 min Scan# 754  
Delta R.T. 0.01 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

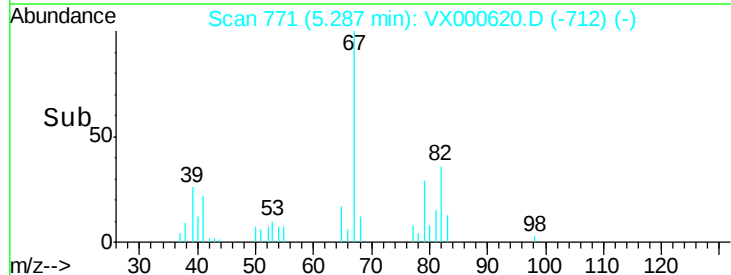
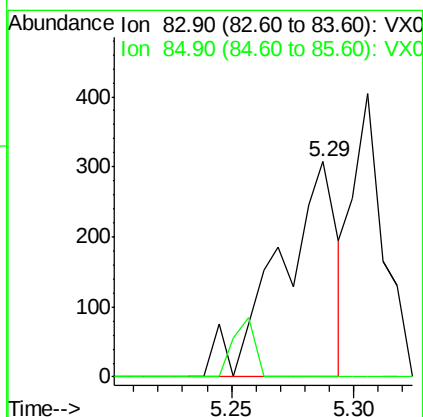
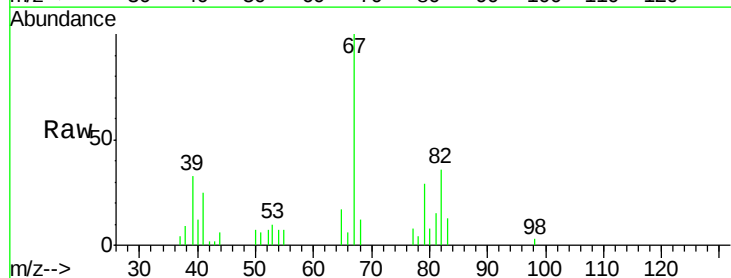
Instrument :  
MSVOA\_X  
ClientSampled :

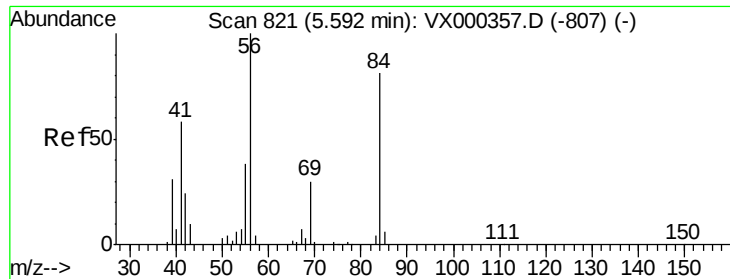
Tot Ion: 42 Resp: 292  
Ion Ratio Lower Upper  
42 100  
72 14.4 37.9 56.9#  
71 0.0 34.4 51.6#



#30  
Chloroform  
Concen: 0.222 ug/l  
RT: 5.29 min Scan# 771  
Delta R.T. 0.06 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

Tgt Ion: 83 Resp: 498  
Ion Ratio Lower Upper  
83 100  
85 0.0 53.3 79.9#

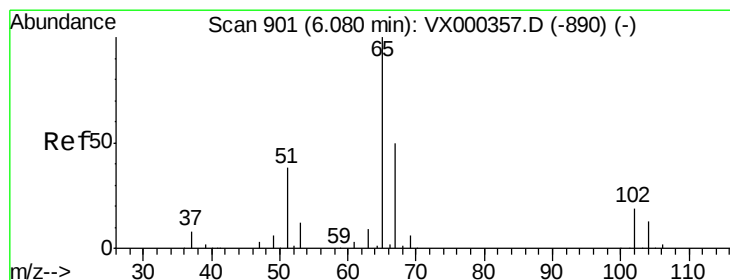
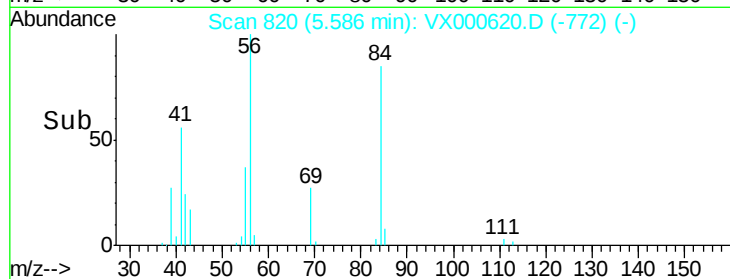
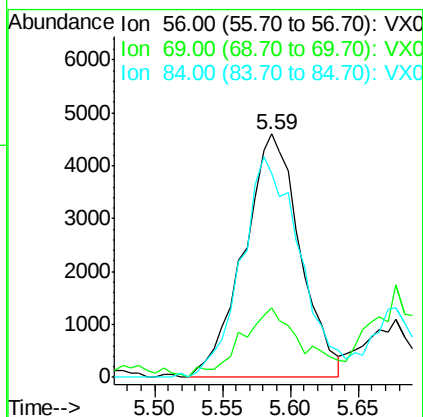
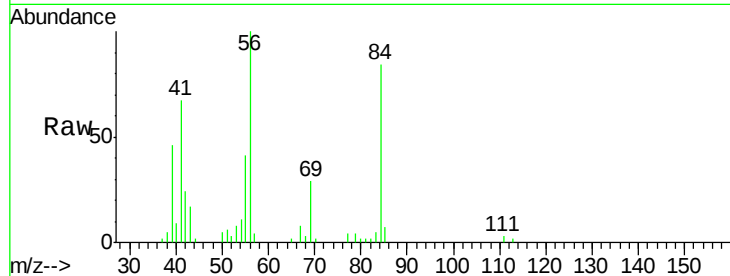




#31  
Cyclohexane  
Concen: 7.225 ug/l  
RT: 5.59 min Scan# 820  
Delta R.T. -0.01 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

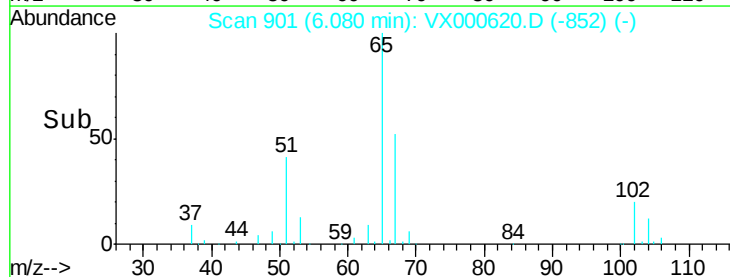
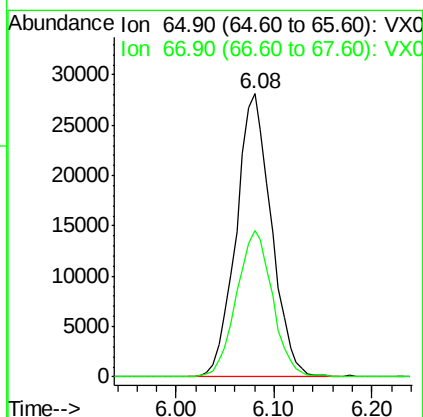
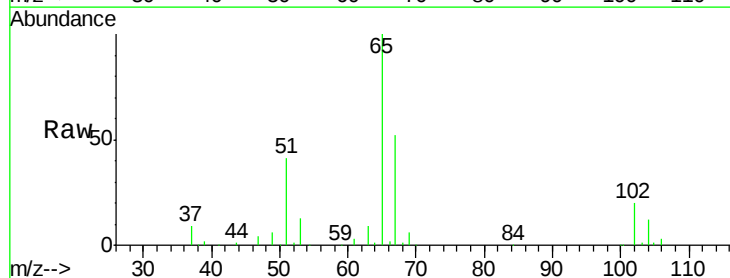
Instrument :  
MSVOA\_X  
ClientSampleId :

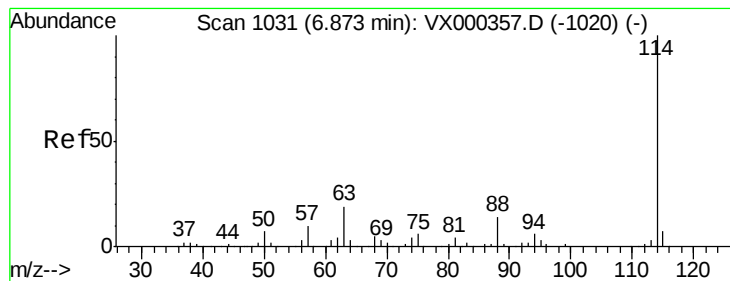
Tot Ion: 56 Resp: 13344  
Ion Ratio Lower Upper  
56 100  
69 28.5 23.4 35.0  
84 83.6 71.0 106.4



#33  
1,2-Dichloroethane-d4  
Concen: 47.964 ug/l  
RT: 6.08 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

Tgt Ion: 65 Resp: 70213  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

Instrument :

MSVOA\_X

ClientSampleId :

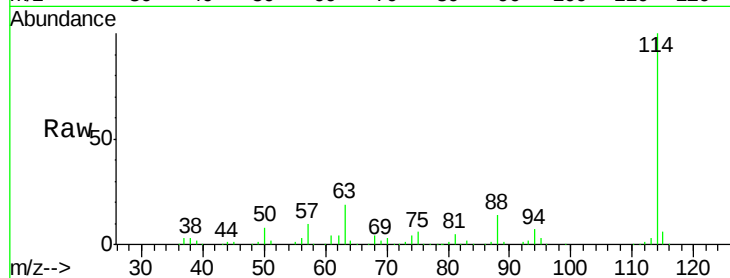
Tot Ion:114 Resp: 182642

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

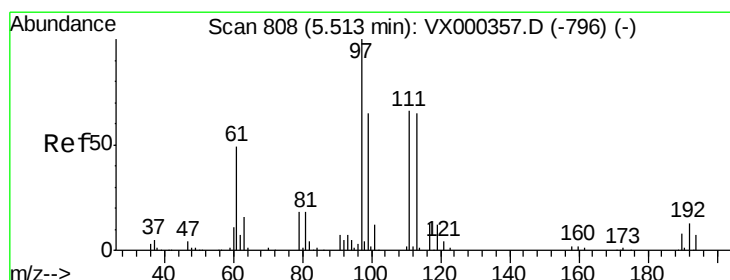
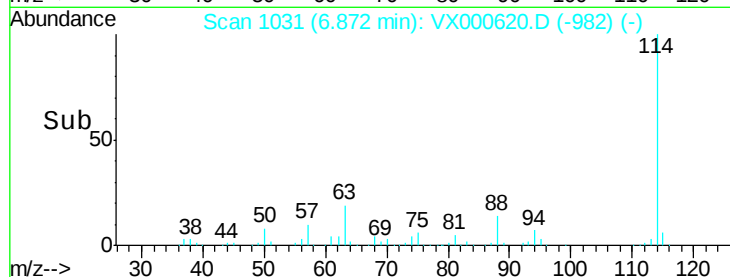
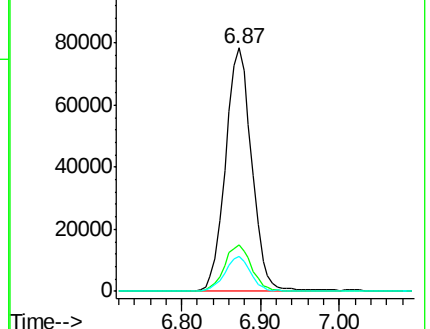
88 14.1 0.0 27.0



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: 48.112 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

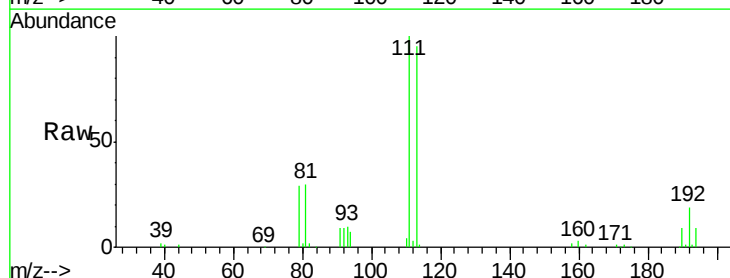
Tgt Ion:113 Resp: 55367

Ion Ratio Lower Upper

113 100

111 105.6 82.4 123.6

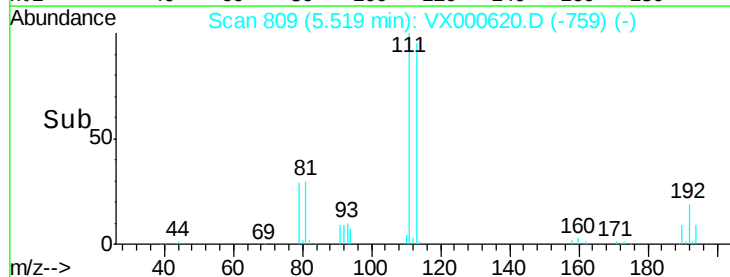
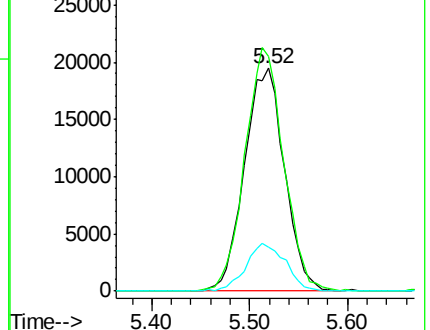
192 21.1 15.8 23.6

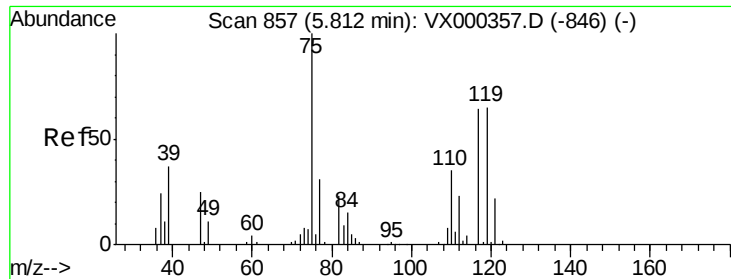


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

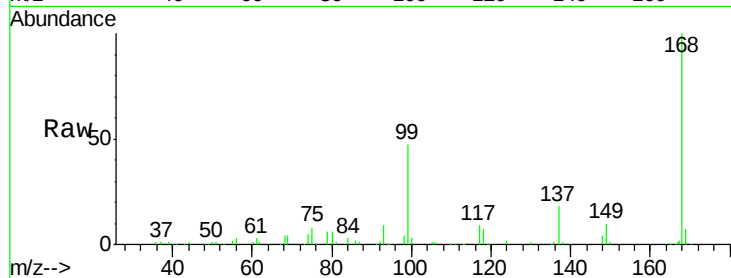




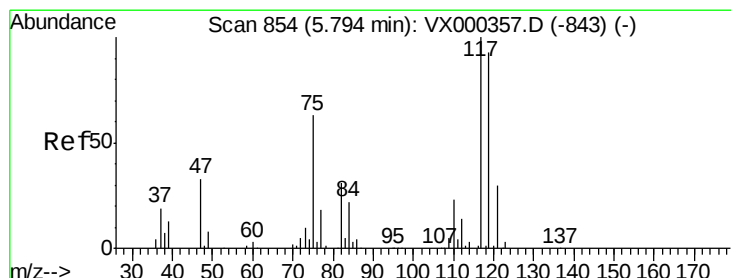
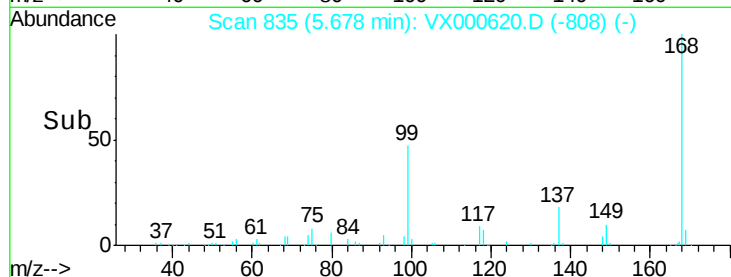
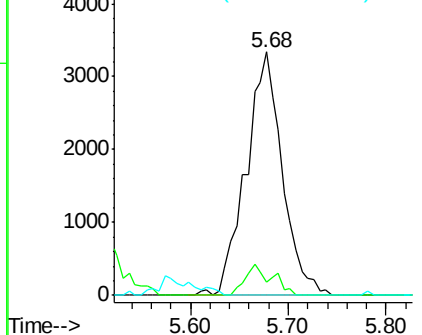
#36  
 1,1-Dichloropropene  
 Concen: 5.037 ug/l  
 RT: 5.68 min Scan# 835  
 Delta R.T. -0.13 min  
 Lab File: VX000620.D  
 Acq: 01 Apr 2018 03:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.4   | 17.9  | 53.7# |
| 77      | 0.0   | 24.0  | 36.0# |

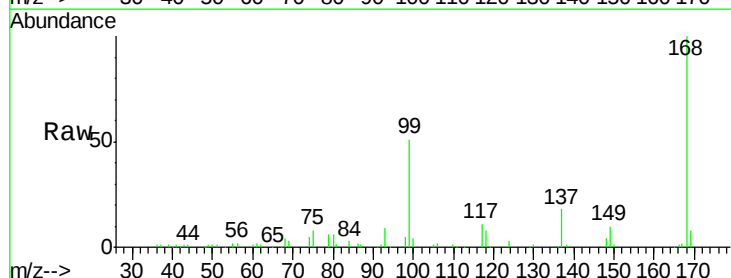


Abundance Ion 74.90 (74.60 to 75.60): VX0  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VX0

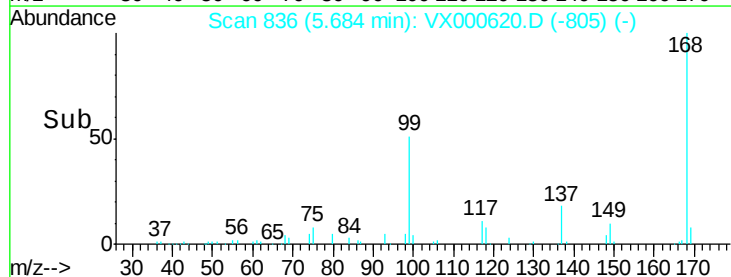
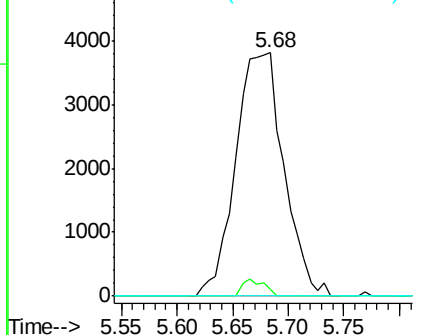


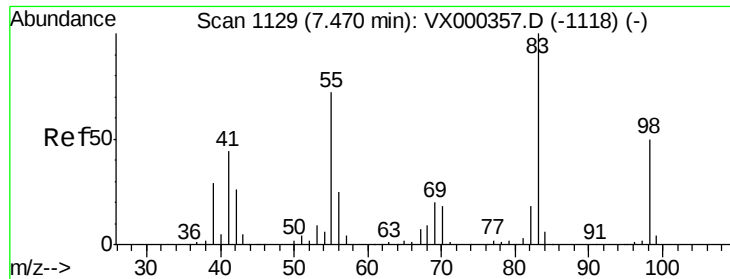
#38  
 Carbon Tetrachloride  
 Concen: 6.405 ug/l  
 RT: 5.68 min Scan# 836  
 Delta R.T. -0.11 min  
 Lab File: VX000620.D  
 Acq: 01 Apr 2018 03:38

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 2.8   | 77.4  | 116.2# |
| 121     | 0.0   | 24.8  | 37.2#  |



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

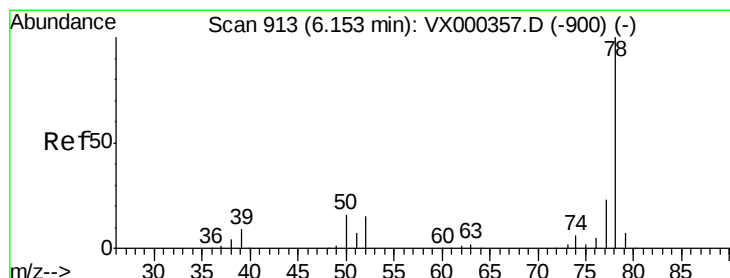
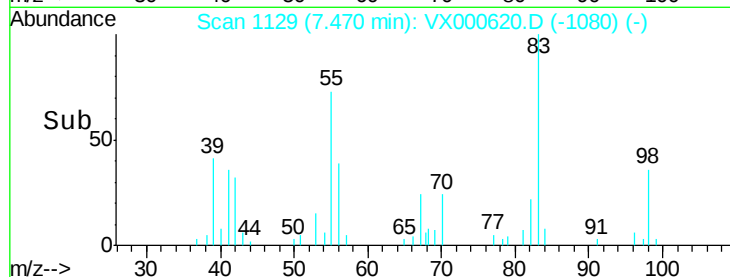
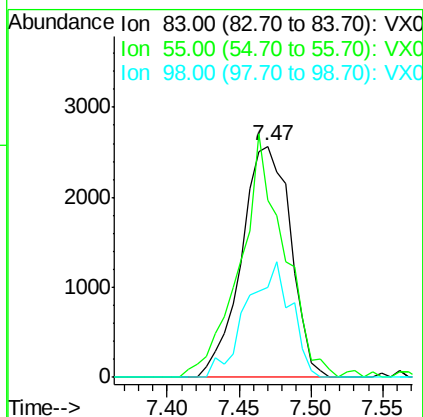
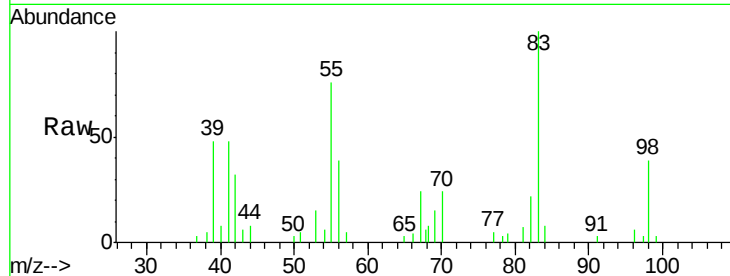




#39  
Methvlcvclohexane  
Concen: 2.927 ug/l  
RT: 7.47 min Scan# 1129  
Delta R.T. -0.00 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

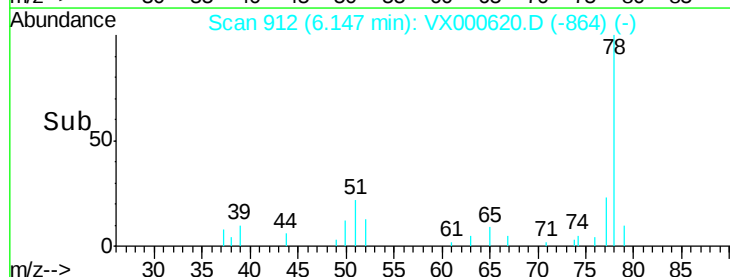
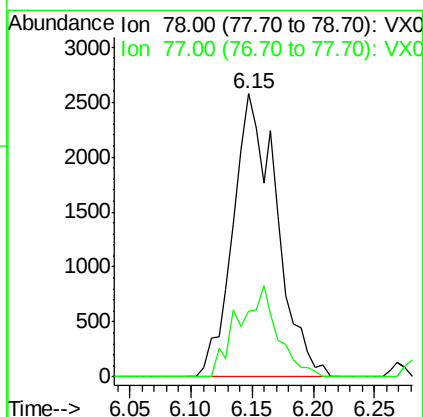
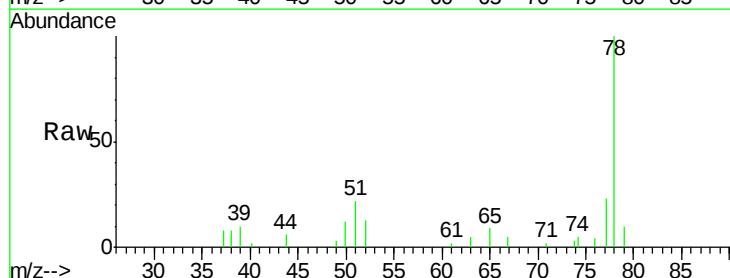
Instrument :  
MSVOA\_X  
ClientSampleId :

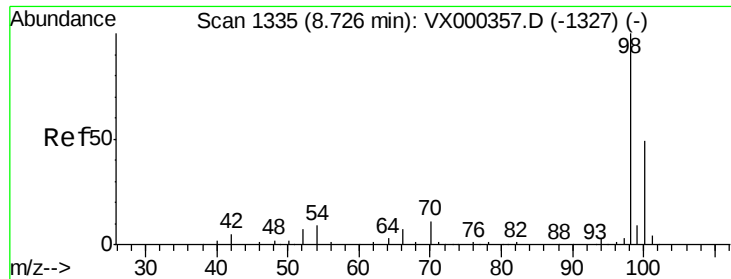
Tot Ion: 83 Resp: 6091  
Ion Ratio Lower Upper  
83 100  
55 76.3 55.5 83.3  
98 39.1 38.2 57.4



#40  
Benzene  
Concen: 1.285 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

Tgt Ion: 78 Resp: 6385  
Ion Ratio Lower Upper  
78 100  
77 23.2 18.7 28.1

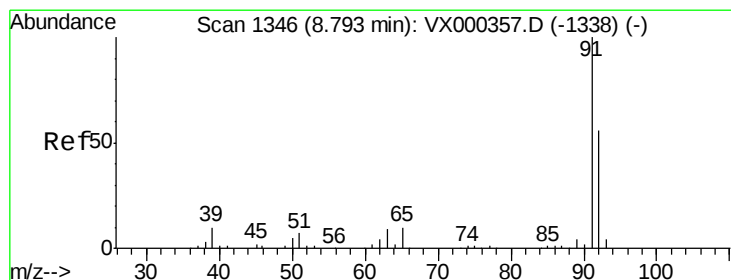
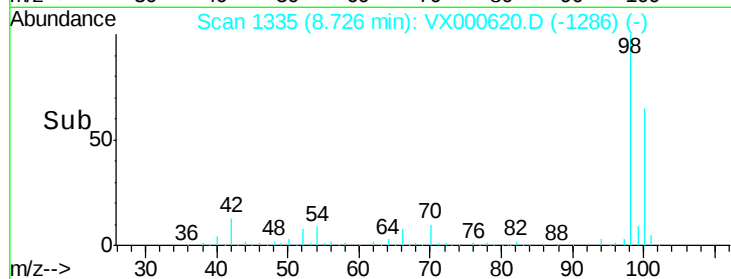
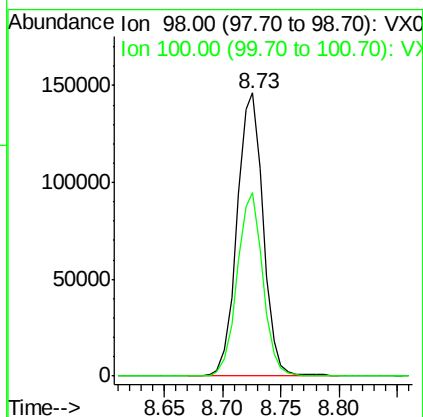
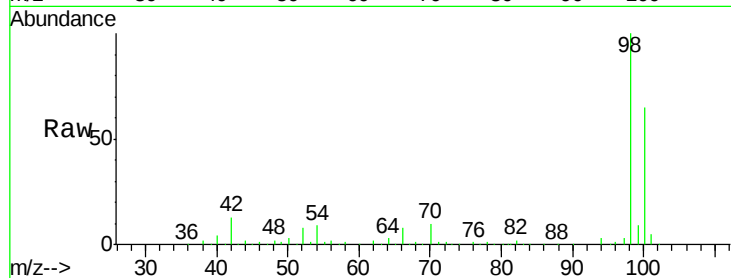




#50  
Toluene-d8  
Concen: 47.938 ug/l  
RT: 8.73 min Scan# 1335  
Delta R.T. -0.00 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

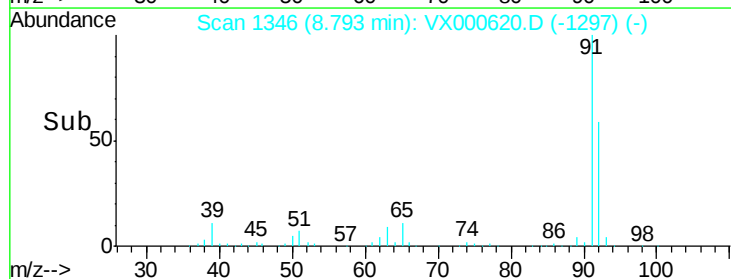
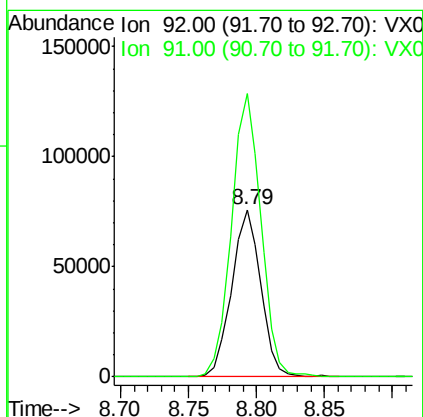
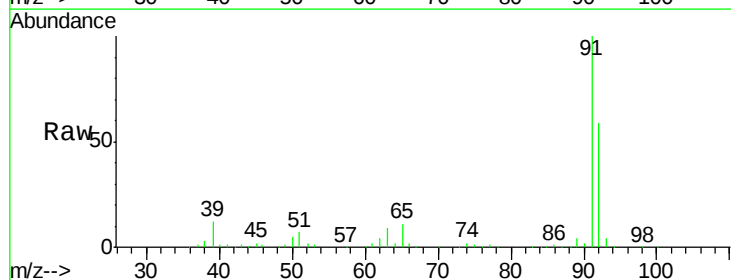
Instrument :  
MSVOA\_X  
ClientSampleId :

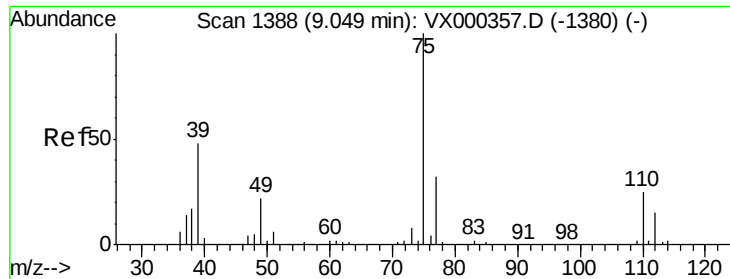
Tot Ion: 98 Resp: 228482  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.2 76.8



#52  
Toluene  
Concen: 32.566 ug/l  
RT: 8.79 min Scan# 1346  
Delta R.T. -0.00 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

Tgt Ion: 92 Resp: 113110  
Ion Ratio Lower Upper  
92 100  
91 171.7 140.2 210.2



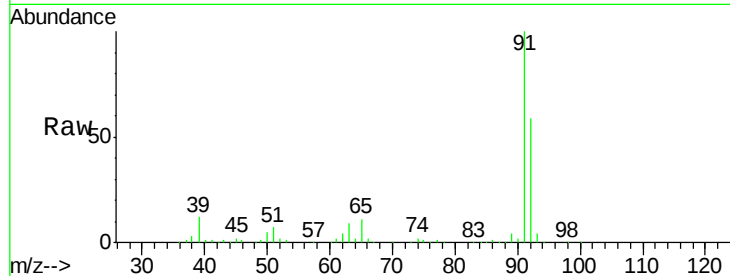


#54

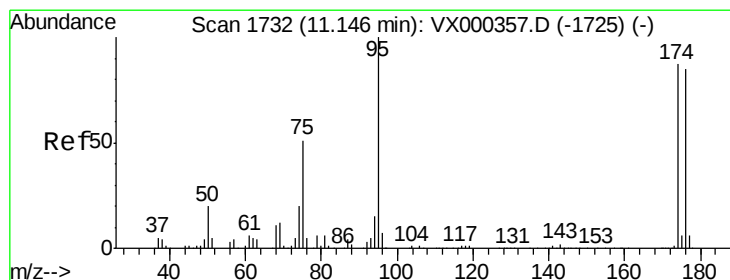
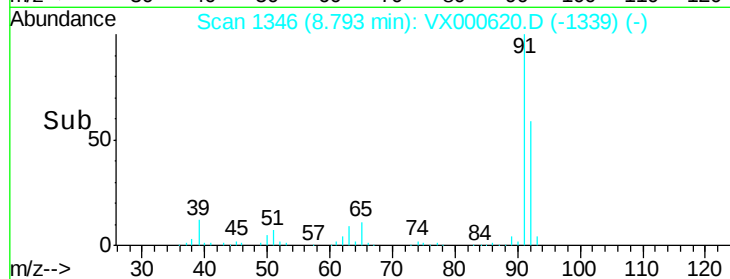
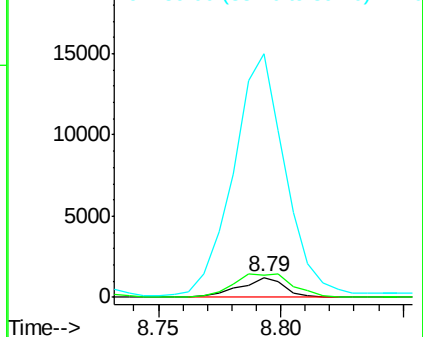
cis-1,3-Dichloropropene  
 Concen: 0.781 ug/l  
 RT: 8.79 min Scan# 1346  
 Delta R.T. -0.26 min  
 Lab File: VX000620.D  
 Acq: 01 Apr 2018 03:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion: 75 Resp: 1542  
 Ion Ratio Lower Upper  
 75 100  
 77 113.2 26.1 39.1#  
 39 1195.7 39.8 59.6#



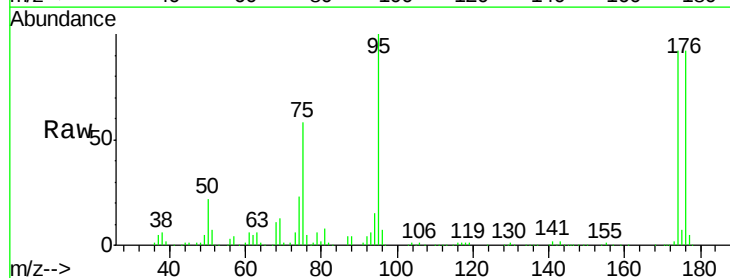
Abundance Ion 74.90 (74.60 to 75.60): VX0  
 Ion 76.90 (76.60 to 77.60): VX0  
 Ion 39.00 (38.70 to 39.70): VX0



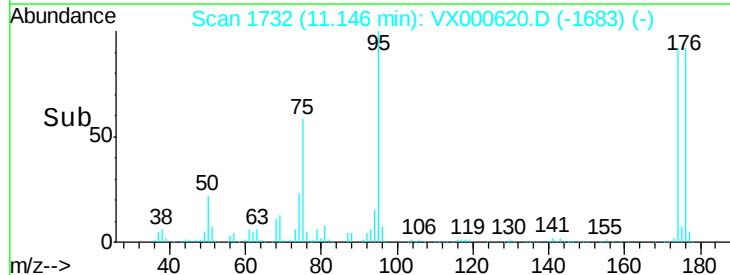
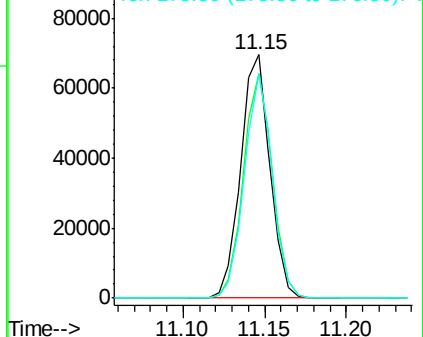
#62

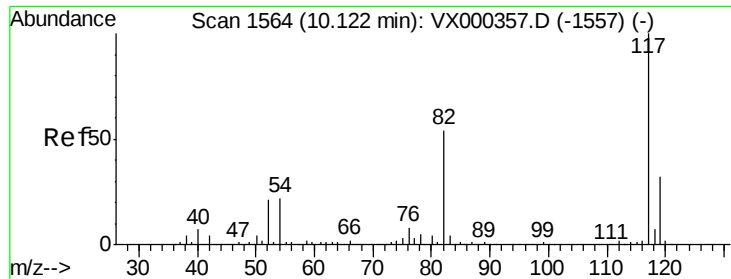
4-Bromofluorobenzene  
 Concen: 44.033 ug/l  
 RT: 11.15 min Scan# 1732  
 Delta R.T. 0.00 min  
 Lab File: VX000620.D  
 Acq: 01 Apr 2018 03:38

Tgt Ion: 95 Resp: 86995  
 Ion Ratio Lower Upper  
 95 100  
 174 91.3 0.0 173.6  
 176 88.2 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX0  
 Ion 173.80 (173.50 to 174.50): V  
 Ion 175.80 (175.50 to 176.50): V

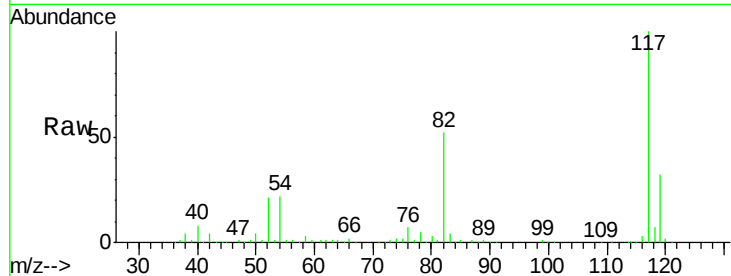




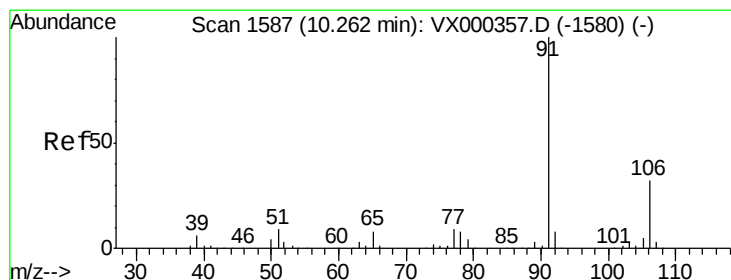
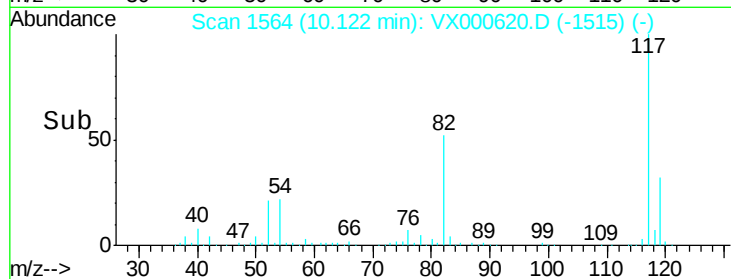
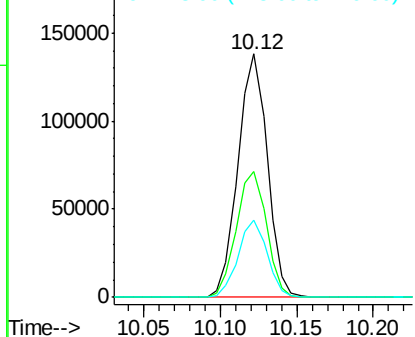
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:117 Resp: 184068  
Ion Ratio Lower Upper  
117 100  
82 51.9 43.8 65.8  
119 31.9 24.9 37.3

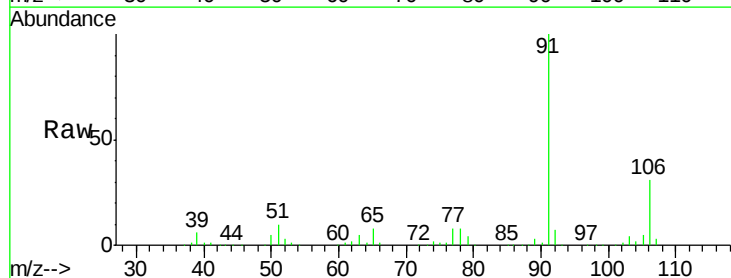


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

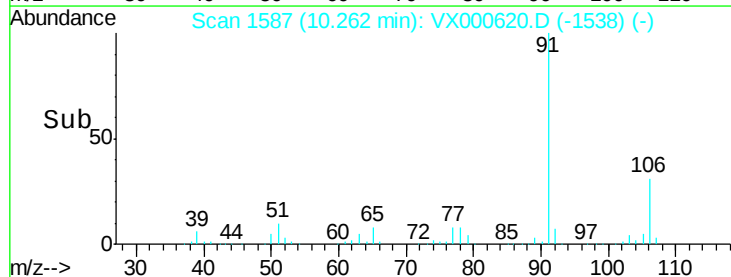
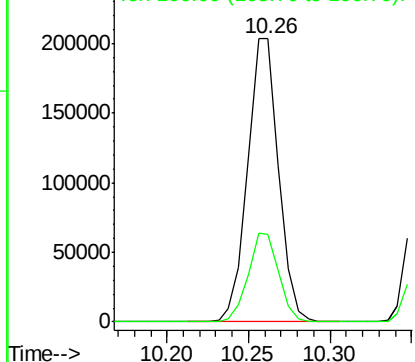


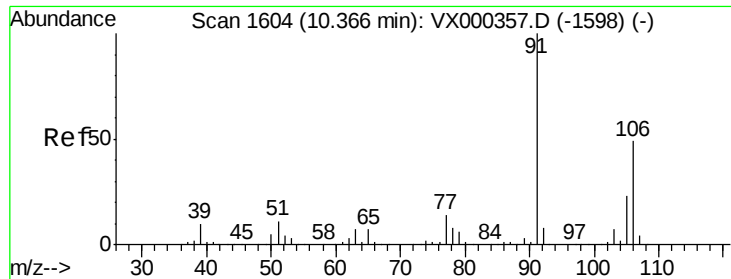
#67  
Ethyl Benzene  
Concen: 38.844 ug/l  
RT: 10.26 min Scan# 1587  
Delta R.T. -0.00 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

Tgt Ion: 91 Resp: 269735  
Ion Ratio Lower Upper  
91 100  
106 30.7 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 106.00 (105.70 to 106.70): V

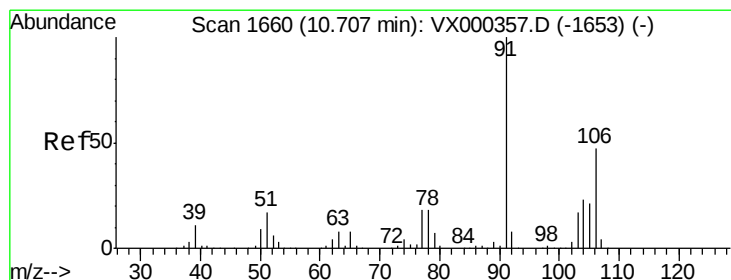
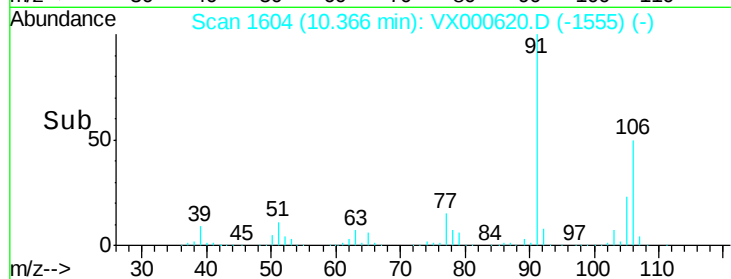
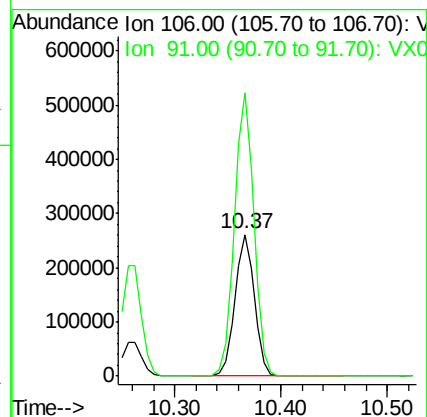
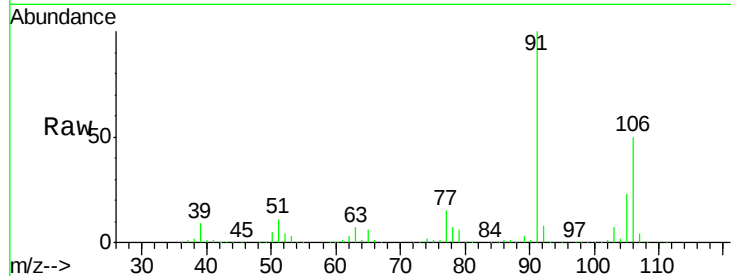




#68  
m/p-Xylenes  
Concen: 122.489 ug/l  
RT: 10.37 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

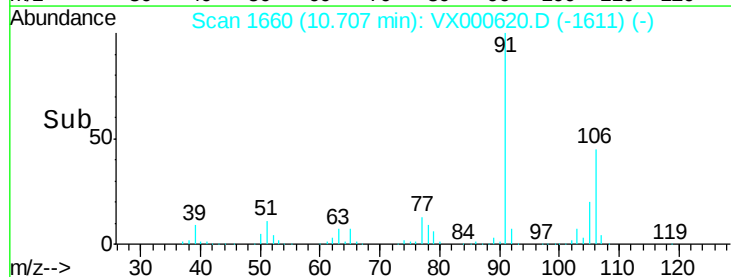
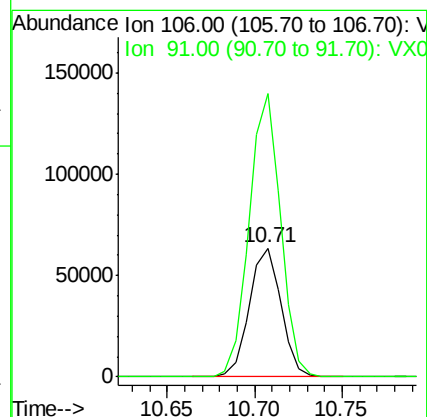
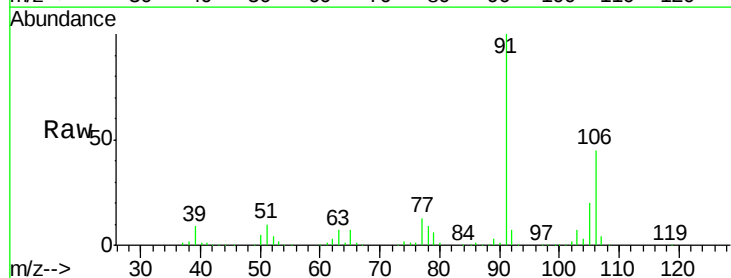
Instrument :  
MSVOA\_X  
ClientSampled :

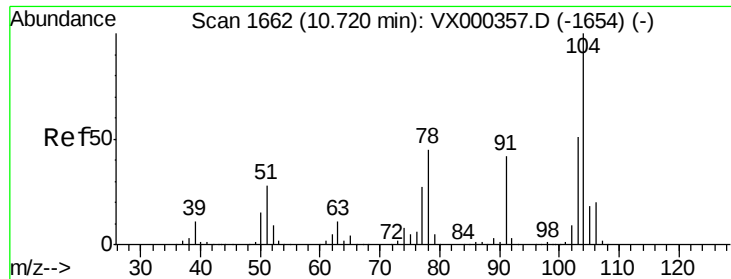
Tot Ion:106 Resp: 334700  
Ion Ratio Lower Upper  
106 100  
91 200.5 163.4 245.2



#69  
o-Xylene  
Concen: 30.509 ug/l  
RT: 10.71 min Scan# 1660  
Delta R.T. -0.00 min  
Lab File: VX000620.D  
Acq: 01 Apr 2018 03:38

Tgt Ion:106 Resp: 80718  
Ion Ratio Lower Upper  
106 100  
91 217.2 106.5 319.6





#70

Stvrene

Concen: 1.098 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

Instrument :

MSVOA\_X

ClientSampleId :

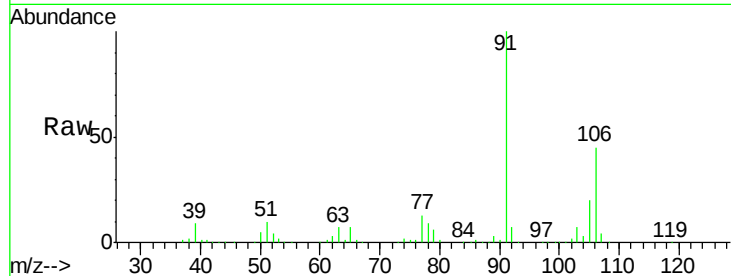
Tot Ion:104 Resp: 4807

Ion Ratio Lower Upper

104 100

78 289.6 40.5 60.7#

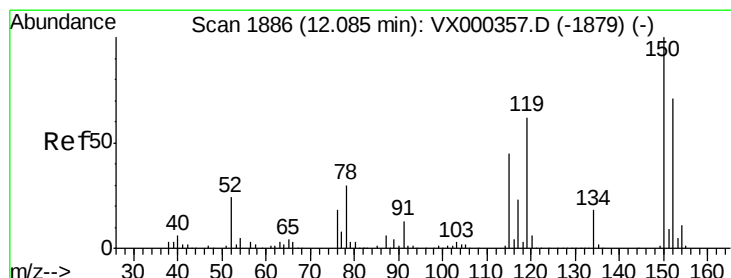
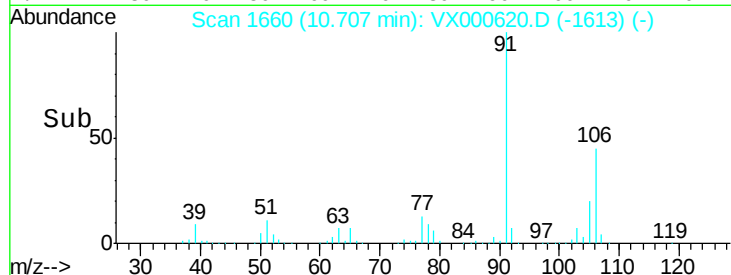
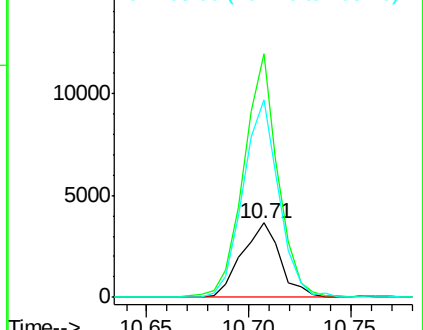
103 245.3 45.7 68.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

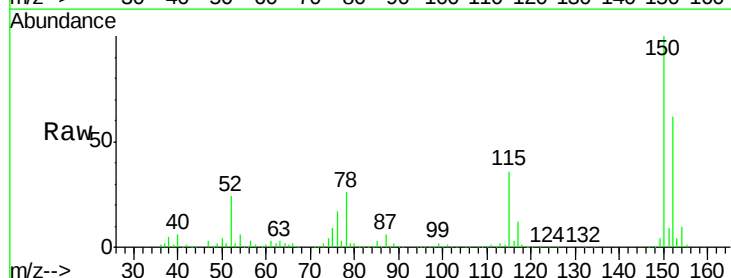
Tgt Ion:152 Resp: 107495

Ion Ratio Lower Upper

152 100

115 56.8 39.8 119.3

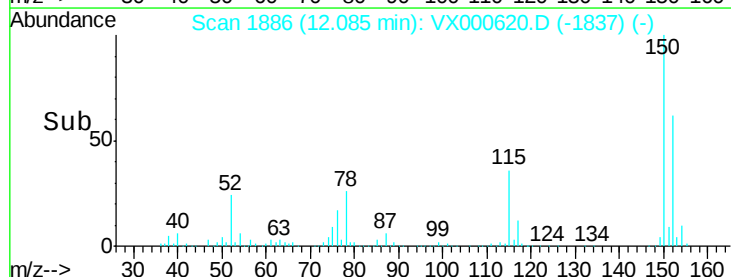
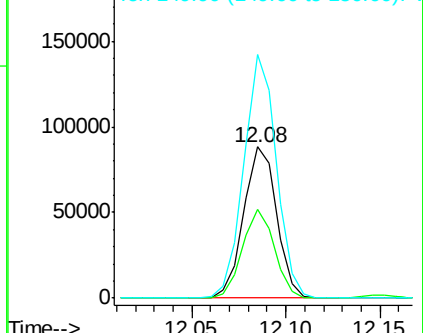
150 158.8 0.0 344.4

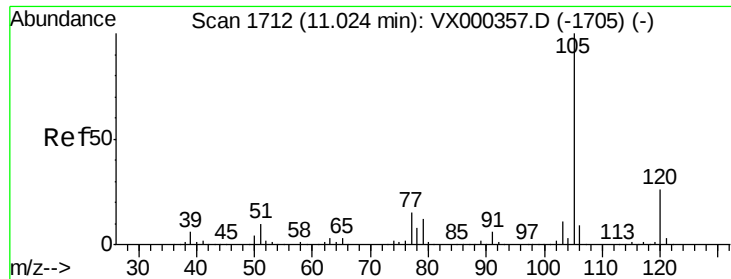


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.259 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

Instrument :

MSVOA\_X

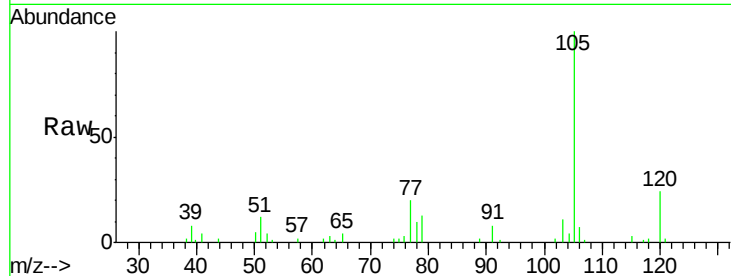
ClientSampled :

Tot Ion: 105 Resp: 8968

Ion Ratio Lower Upper

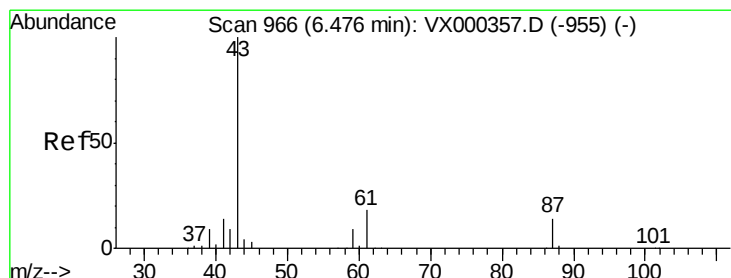
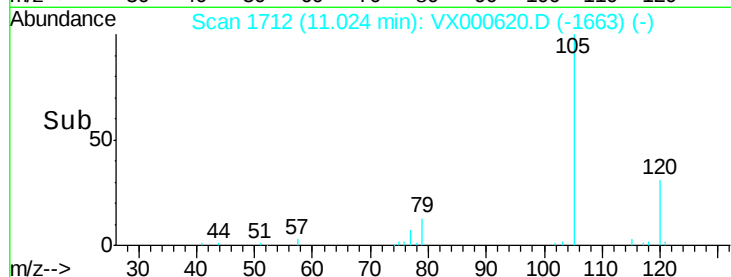
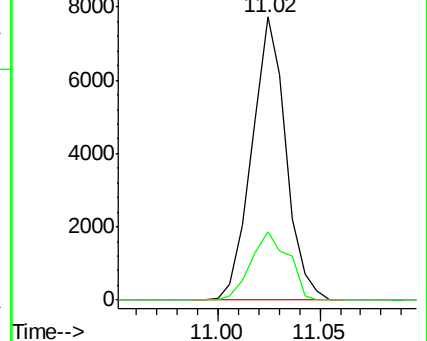
105 100

120 26.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

Tgt Ion: 43 Resp: 184

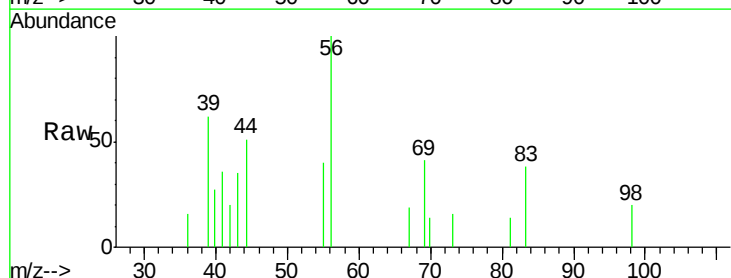
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

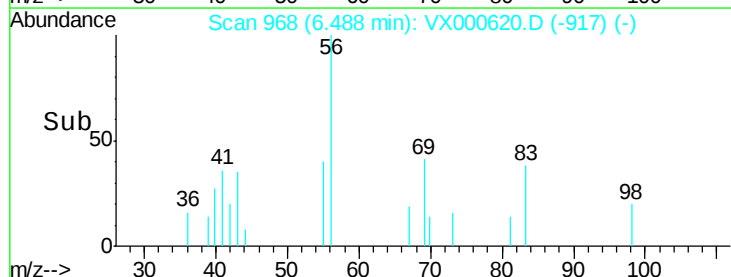
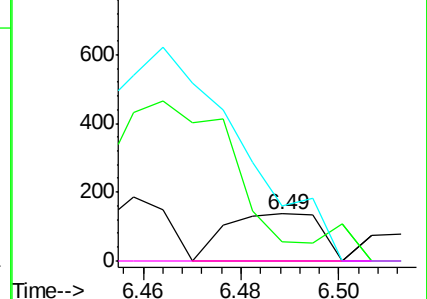


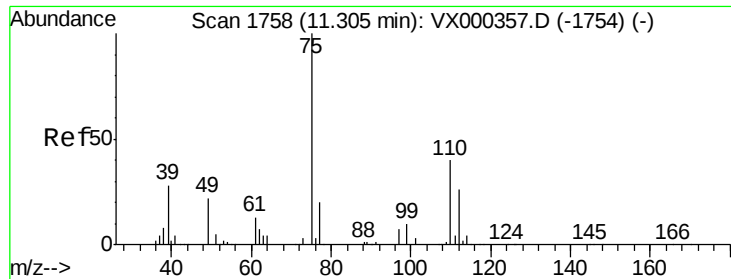
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

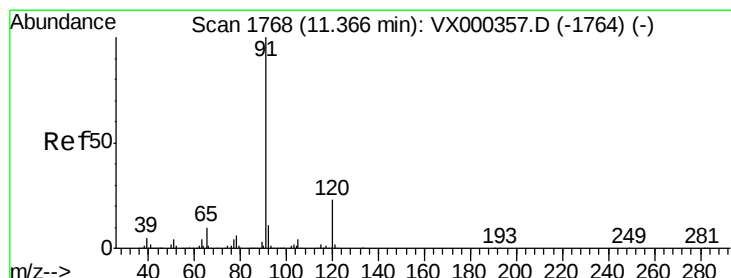
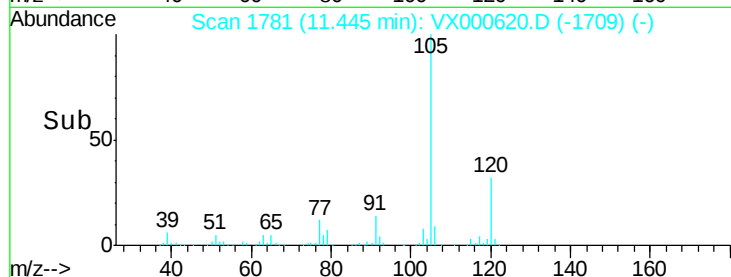
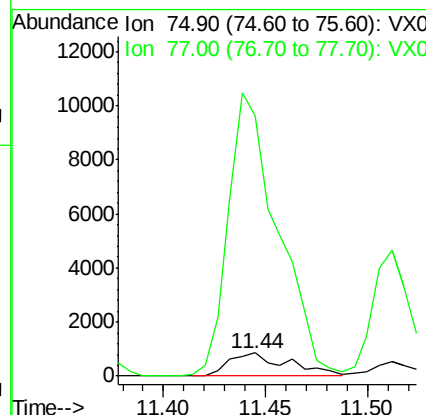
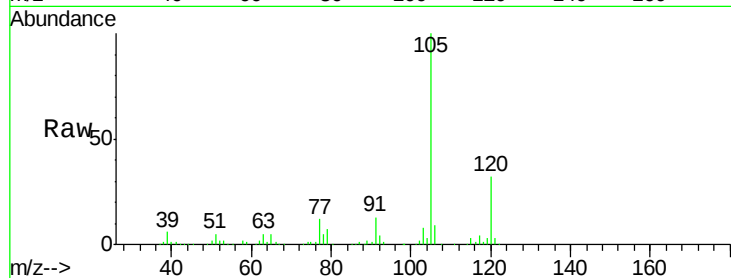




#76  
 1,2,3-Trichloropropane  
 Concen: 0.761 ug/l  
 RT: 11.44 min Scan# 1781  
 Delta R.T. 0.14 min  
 Lab File: VX000620.D  
 Acq: 01 Apr 2018 03:38

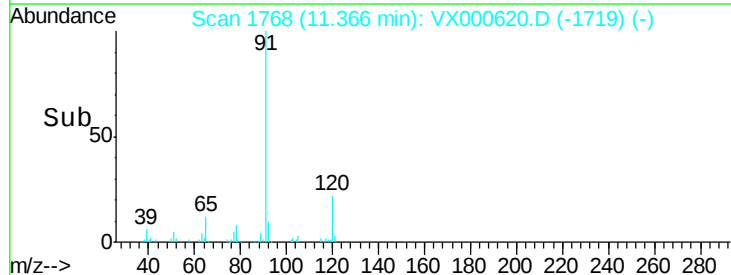
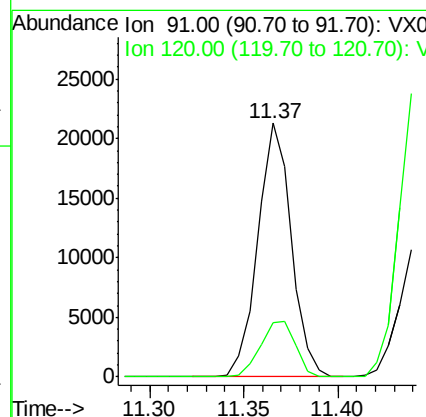
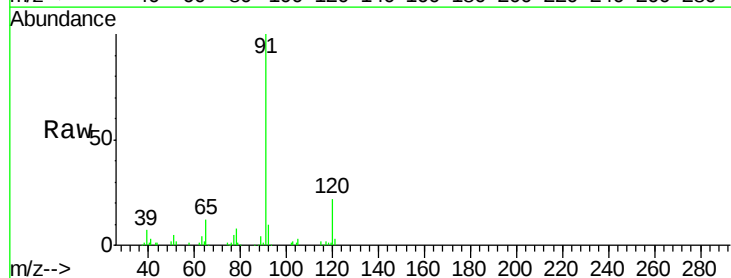
Instrument :  
 MSVOA\_X  
 ClientSampled :

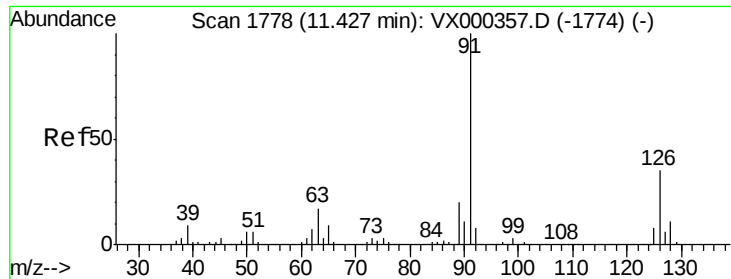
Tot Ion: 75 Resp: 1757  
 Ion Ratio Lower Upper  
 75 100  
 77 1006.2 21.4 64.2#



#78  
 n-propylbenzene  
 Concen: 3.092 ug/l  
 RT: 11.37 min Scan# 1768  
 Delta R.T. -0.00 min  
 Lab File: VX000620.D  
 Acq: 01 Apr 2018 03:38

Tgt Ion: 91 Resp: 26257  
 Ion Ratio Lower Upper  
 91 100  
 120 22.7 11.8 35.3





#79

2-Chlorotoluene

Concen: 3.884 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

Instrument :

MSVOA\_X

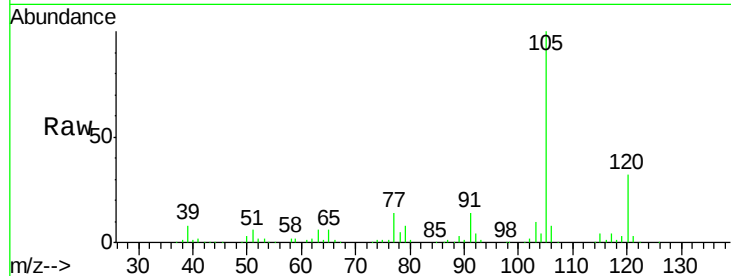
ClientSampled :

Tot Ion: 91 Resp: 19057

Ion Ratio Lower Upper

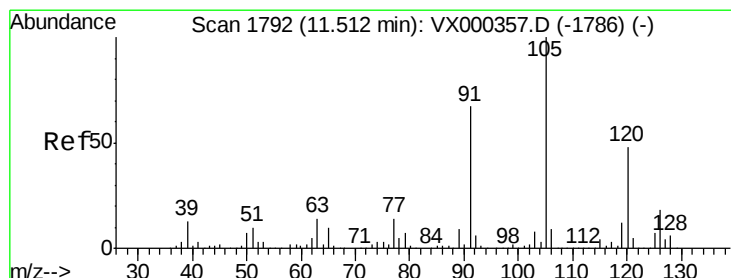
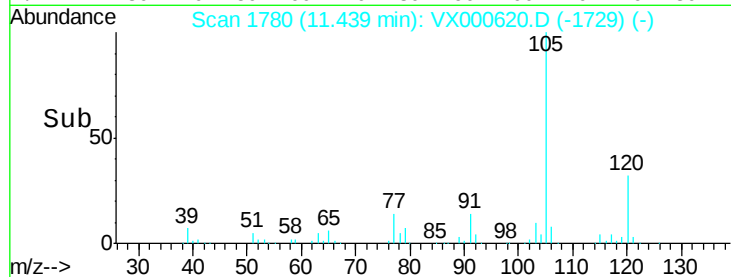
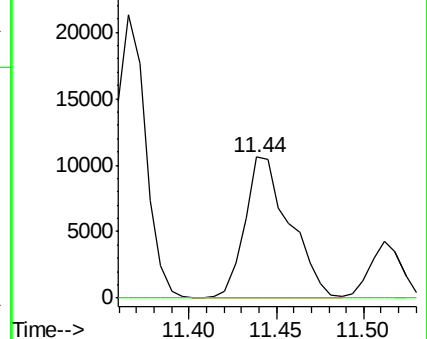
91 100

126 0.3 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VX000357.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000357.D (-1774) (-)



#80

1,3,5-Trimethylbenzene

Concen: 7.125 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000620.D

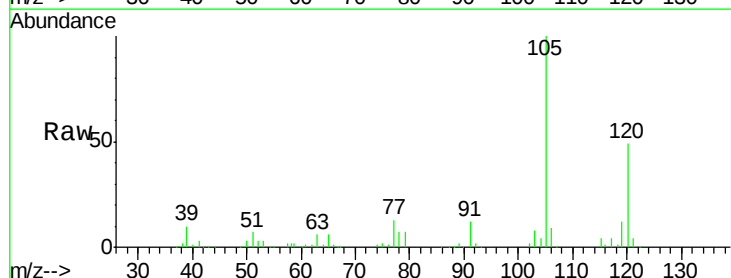
Acq: 01 Apr 2018 03:38

Tgt Ion: 105 Resp: 42668

Ion Ratio Lower Upper

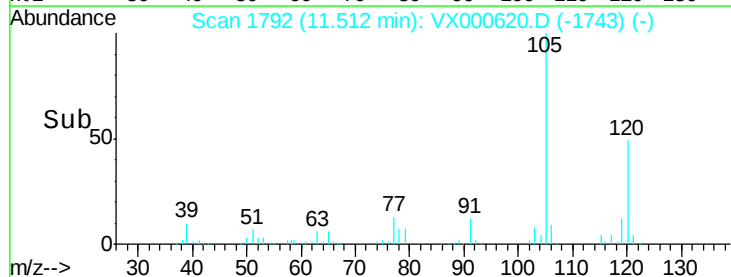
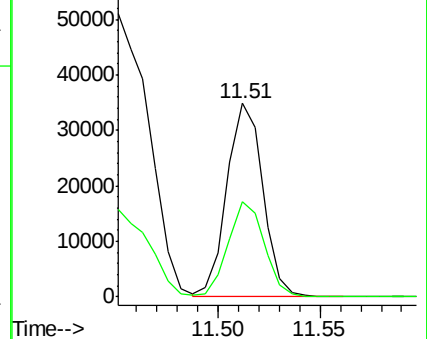
105 100

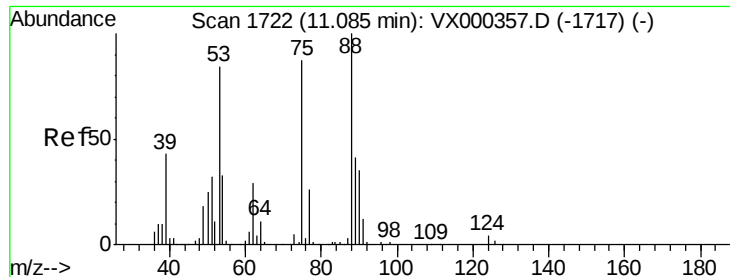
120 49.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000357.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000357.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 70.699 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

Instrument :

MSVOA\_X

ClientSampled :

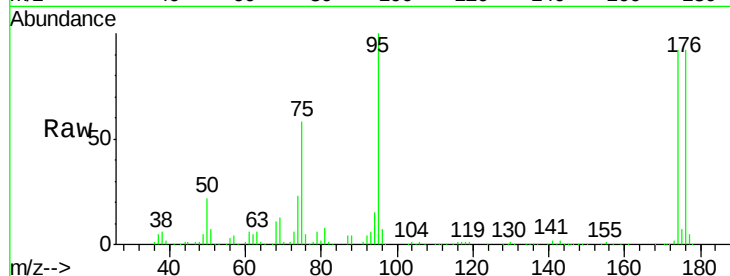
Tot Ion: 75 Resp: 50448

Ion Ratio Lower Upper

75 100

53 0.1 80.7 121.1#

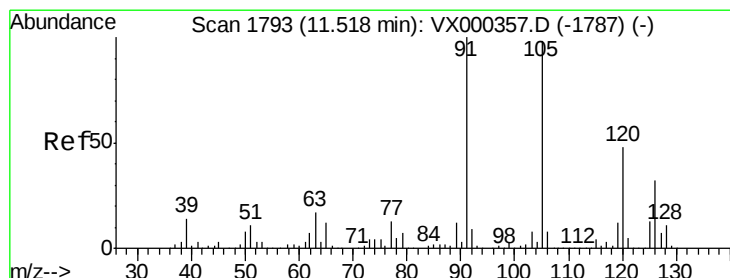
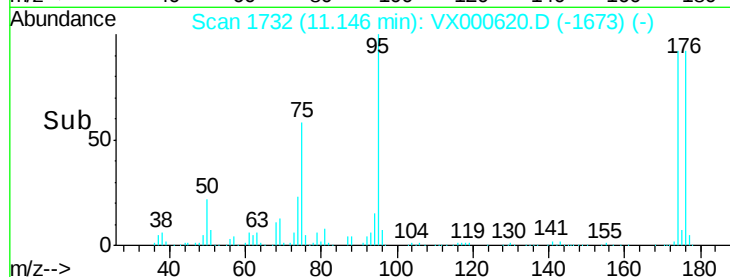
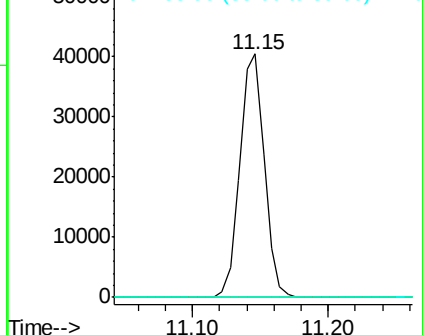
89 0.0 39.4 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.926 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX000620.D

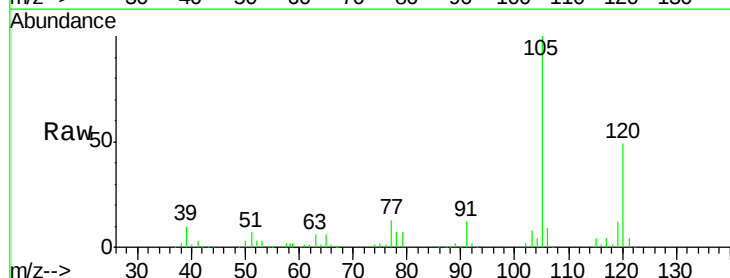
Acq: 01 Apr 2018 03:38

Tgt Ion: 91 Resp: 5427

Ion Ratio Lower Upper

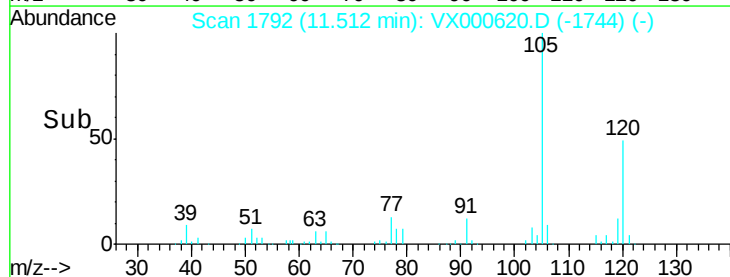
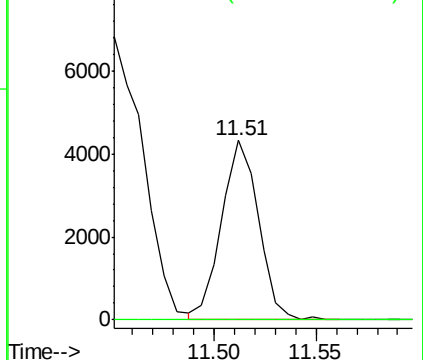
91 100

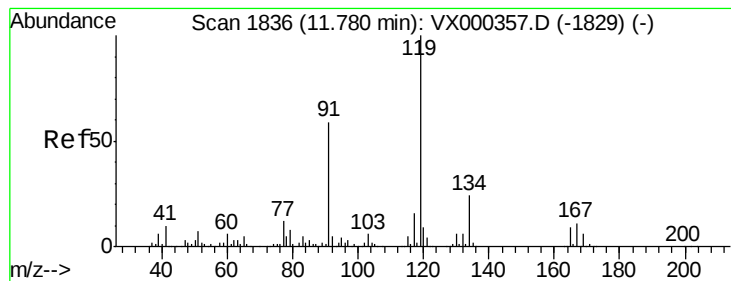
126 0.0 15.4 46.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 3.273 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.04 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

Instrument :

MSVOA\_X

ClientSampleId :

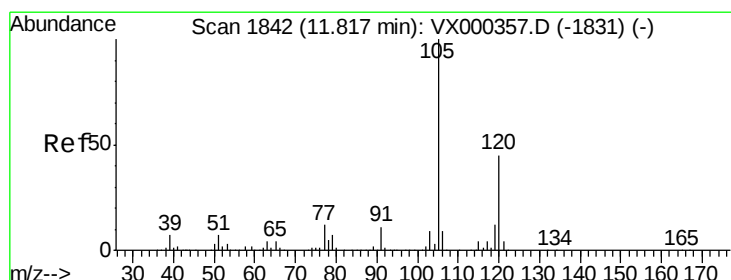
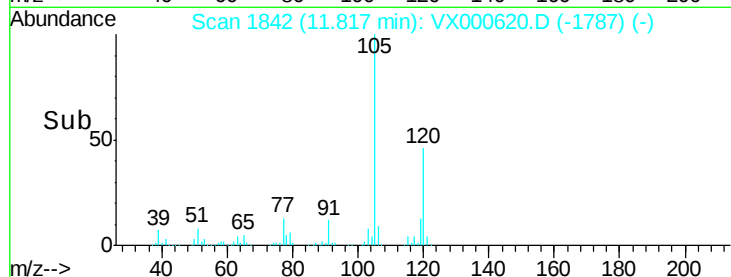
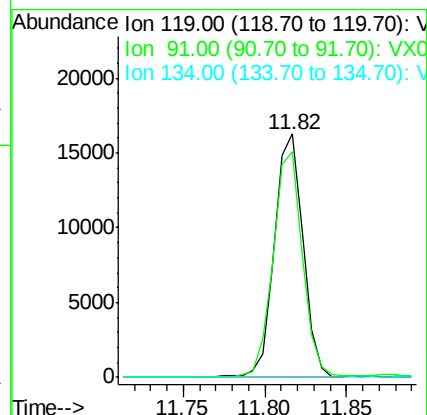
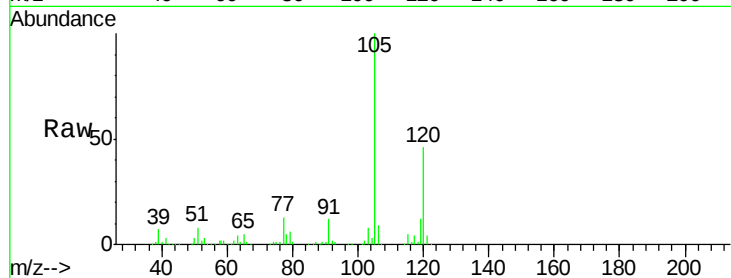
Tot Ion:119 Resp: 19768

Ion Ratio Lower Upper

119 100

91 95.3 28.8 86.4#

134 0.0 11.4 34.1#



#84

1,2,4-Trimethylbenzene

Concen: 25.845 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000620.D

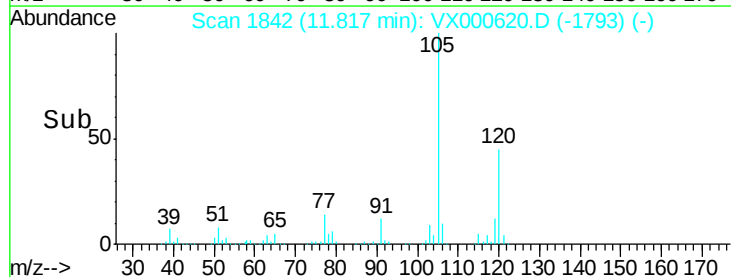
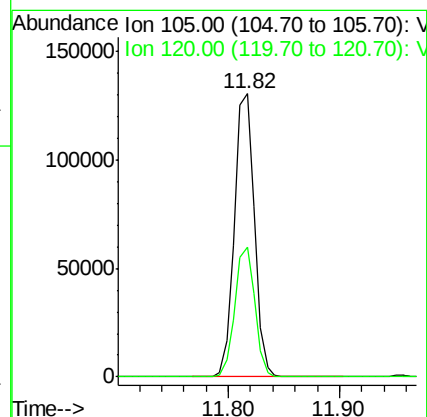
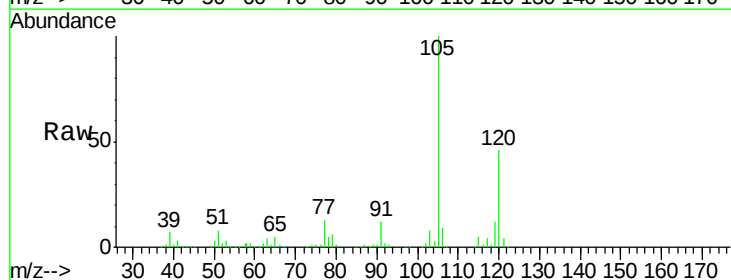
Acq: 01 Apr 2018 03:38

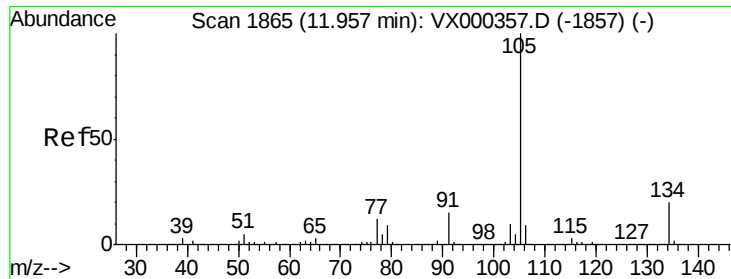
Tgt Ion:105 Resp: 162271

Ion Ratio Lower Upper

105 100

120 45.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 21.714 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.14 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

Instrument :

MSVOA\_X

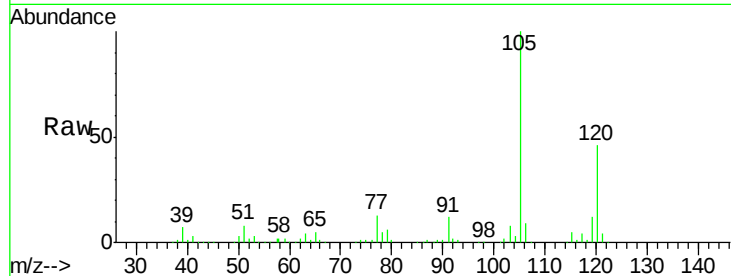
ClientSampled :

Tot Ion: 105 Resp: 162271

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.82

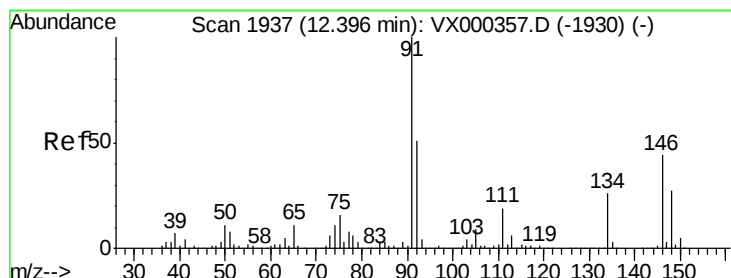
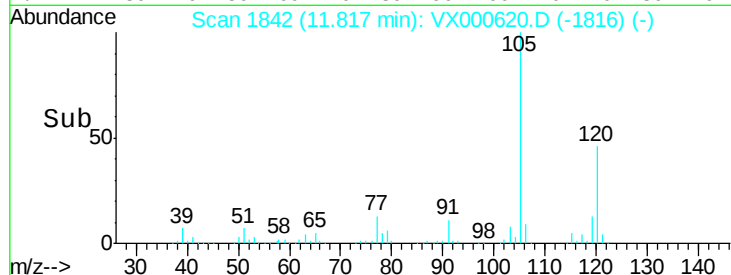
150000

100000

50000

0

Time-->



#89

n-Butylbenzene

Concen: 0.701 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

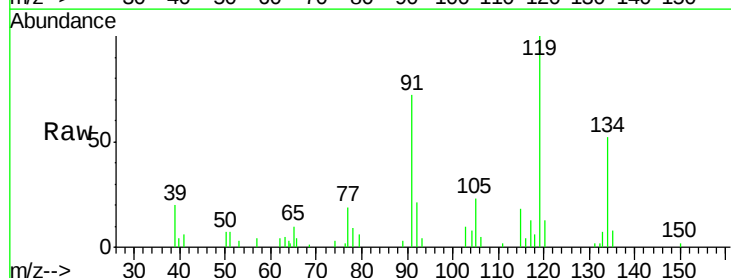
Tgt Ion: 91 Resp: 4330

Ion Ratio Lower Upper

91 100

92 27.5 25.9 77.8

134 109.6 13.1 39.3#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

8000

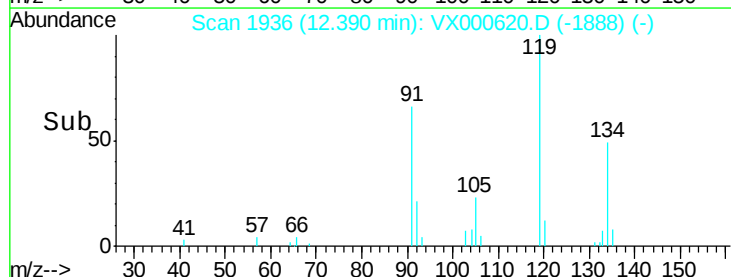
6000

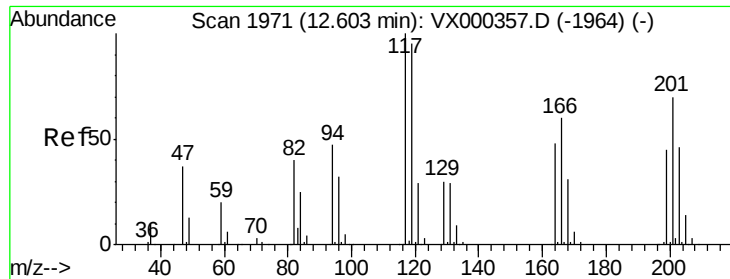
4000

2000

0

Time-->





#90

Hexachloroethane

Concen: 1.269 ug/l

RT: 12.68 min Scan# 1983

Delta R.T. 0.07 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

Instrument :

MSVOA\_X

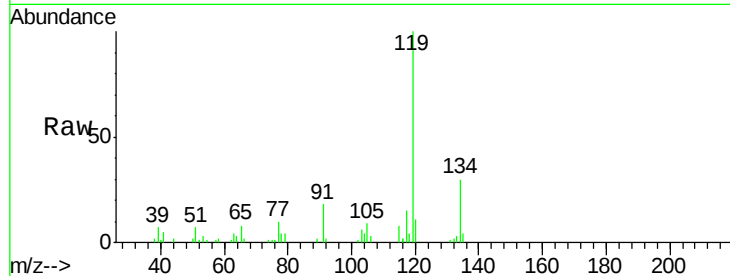
ClientSampleId :

Tot Ion:117 Resp: 1326

Ion Ratio Lower Upper

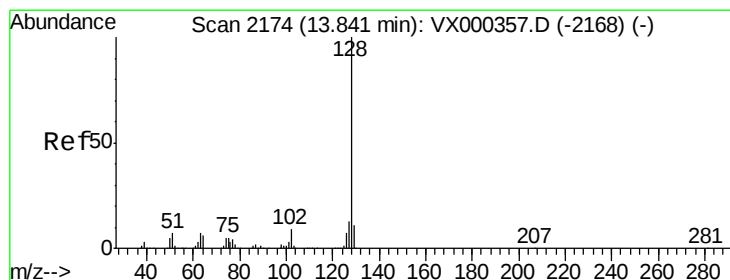
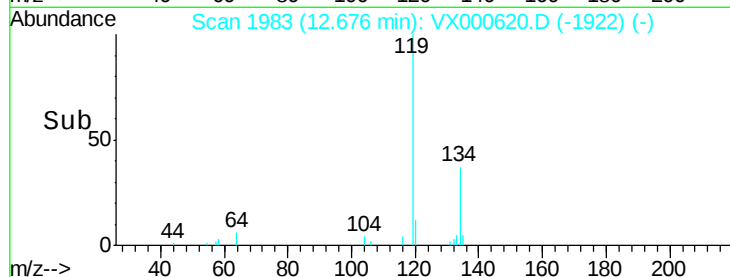
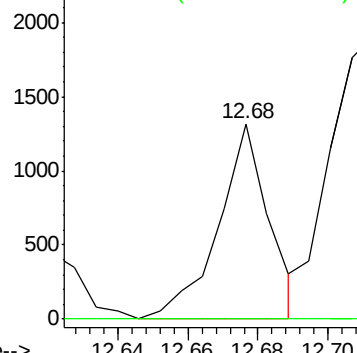
117 100

201 0.0 37.9 113.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 10.794 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000620.D

Acq: 01 Apr 2018 03:38

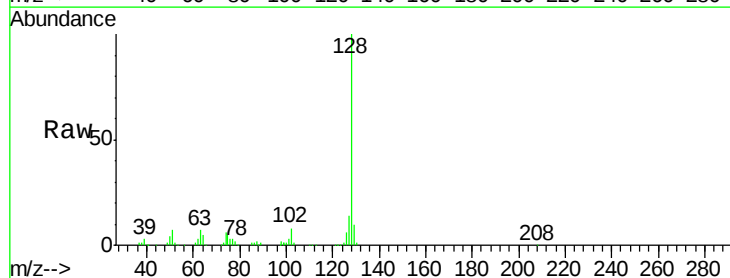
Tgt Ion:128 Resp: 94804

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

