

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022719\  
 Data File : VX007746.D  
 Acq On : 27 Feb 2019 20:44  
 Operator : JC/SP  
 Sample : K1653-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Feb 28 04:03:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 26 01:53:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 316015   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 488800   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 467147   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 228220   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 187683   | 47.95 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.90% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 157167   | 48.10 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.20% |          |
| 50) Toluene-d8              | 8.71  | 98   | 608435   | 48.64 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.28% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 223534   | 48.69 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.38% |          |

| Target Compounds            | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|-----------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane             | 1.65  | 94   | 533      | Below Cal |        | 85     |
| 11) Tert butyl alcohol      | 3.06  | 59   | 10058    | 13.542    | ug/l # | 73     |
| 13) Acrolein                | 2.28  | 56   | 221      | 0.335     | ug/l # | 1      |
| 14) Allyl chloride          | 2.84  | 41   | 70357    | 13.765    | ug/l # | 60     |
| 15) Acrylonitrile           | 3.17  | 53   | 7218     | 4.130     | ug/l # | 42     |
| 16) Acetone                 | 2.45  | 43   | 9391     | 5.395     | ug/l   | 99     |
| 18) Methyl Acetate          | 2.84  | 43   | 172832   | 45.500    | ug/l # | 51     |
| 19) Methyl tert-butyl Ether | 3.21  | 73   | 74820    | 7.773     | ug/l # | 67     |
| 20) Methylene Chloride      | 2.85  | 84   | 1962     | 0.610     | ug/l # | 1      |
| 22) Diisopropyl ether       | 3.87  | 45   | 5250     | 0.493     | ug/l # | 84     |
| 23) Vinyl Acetate           | 3.87  | 43   | 3154     | 0.338     | ug/l # | 71     |
| 25) 2-Butanone              | 4.70  | 43   | 616      | 0.232     | ug/l   | 92     |
| 29) Tetrahydrofuran         | 5.16  | 42   | 449      | 0.257     | ug/l # | 58     |
| 30) Chloroform              | 5.27  | 83   | 2905     | 0.469     | ug/l   | 85     |
| 31) Cyclohexane             | 5.73  | 56   | 192734   | 35.433    | ug/l # | 18     |
| 36) 1,1-Dichloropropene     | 5.66  | 75   | 20479    | 4.660     | ug/l # | 47     |
| 38) Carbon Tetrachloride    | 5.67  | 117  | 27747    | 6.286     | ug/l # | 17     |
| 39) Methylcyclohexane       | 7.45  | 83   | 10327    | 1.859     | ug/l # | 1      |
| 40) Benzene                 | 6.15  | 78   | 36667    | 2.703     | ug/l   | 97     |
| 43) Isopropyl Acetate       | 6.35  | 43   | 139372   | 18.551    | ug/l # | 60     |
| 48) Methyl methacrylate     | 7.85  | 41   | 7993     | 2.030     | ug/l   | 90     |
| 51) 4-Methyl-2-Pentanone    | 8.68  | 43   | 7085     | 1.409     | ug/l # | 72     |
| 52) Toluene                 | 8.79  | 92   | 2911     | 0.340     | ug/l   | 99     |
| 53) t-1,3-Dichloropropene   | 9.05  | 75   | 27       | 2.807     | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane   | 9.16  | 97   | 21276    | 5.964     | ug/l # | 18     |
| 56) Ethyl methacrylate      | 9.16  | 69   | 4835     | 0.953     | ug/l # | 1      |
| 59) 2-Hexanone              | 9.52  | 43   | 24513    | 6.209     | ug/l   | 75     |
| 60) Dibromochloromethane    | 9.34  | 129  | 1014     | 0.295     | ug/l # | 12     |
| 64) Tetrachloroethene       | 9.34  | 164  | 1298     | 0.342     | ug/l   | 93     |
| 65) Chlorobenzene           | 10.13 | 112  | 4827     | 0.478     | ug/l   | 96     |
| 73) Isopropylbenzene        | 11.02 | 105  | 8495     | 0.521     | ug/l   | 98     |
| 74) N-amyl acetate          | 10.90 | 43   | 3418     | 0.483     | ug/l # | 40     |
| 76) 1,2,3-Trichloropropane  | 11.13 | 75   | 107837   | 22.168    | ug/l # | 32     |
| 78) n-propylbenzene         | 11.36 | 91   | 9051     | 0.491     | ug/l   | 98     |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Feb 28 04:03:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 26 01:53:13 2019  
 Response via : Initial Calibration

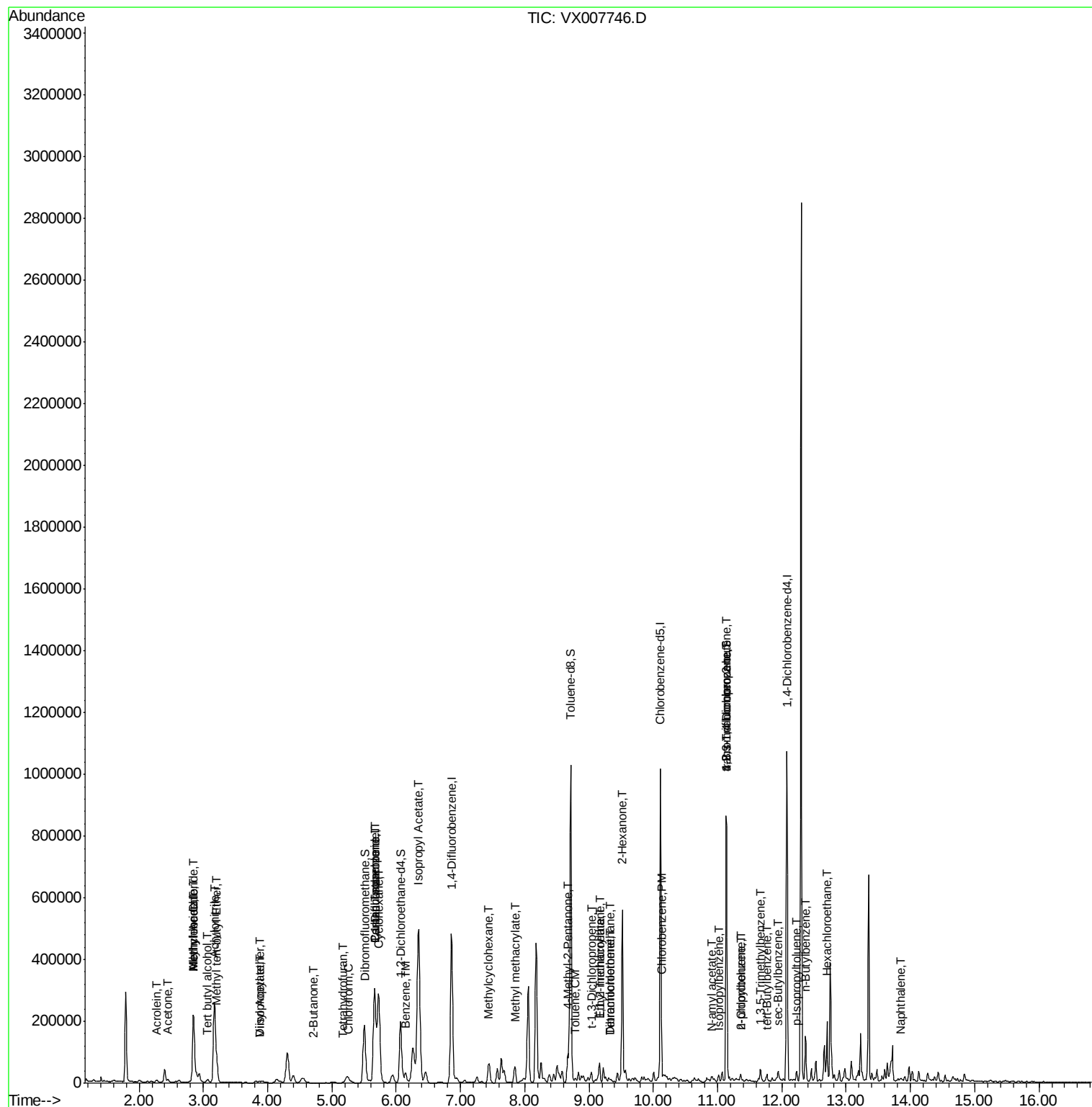
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 79) 2-Chlorotoluene            | 11.36 | 91   | 9051     | 0.816  | ug/l # | 42       |
| 80) 1,3,5-Trimethylbenzene     | 11.66 | 105  | 17598    | 1.312  | ug/l   | 71       |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 107837   | 58.837 | ug/l # | 9        |
| 83) tert-Butylbenzene          | 11.77 | 119  | 3220     | 0.250  | ug/l   | 75       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 15166    | 0.940  | ug/l # | 76       |
| 86) p-Isopropyltoluene         | 12.23 | 119  | 13511    | 0.956  | ug/l # | 78       |
| 89) n-Butylbenzene             | 12.37 | 91   | 12712    | 1.008  | ug/l # | 1        |
| 90) Hexachloroethane           | 12.70 | 117  | 67375    | 28.285 | ug/l # | 5        |
| 95) Naphthalene                | 13.83 | 128  | 4343     | 0.289  | ug/l # | 88       |

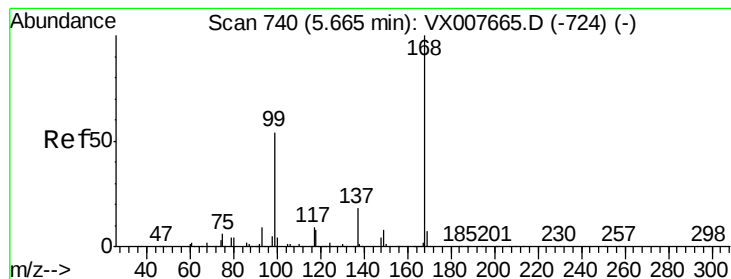
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022719\  
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MSVOA\_X  
ClientSampleId :

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Quant Title : SW846 8260  
QLast Update : Tue Feb 26 01:53:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Instrument :

MSVOA\_X

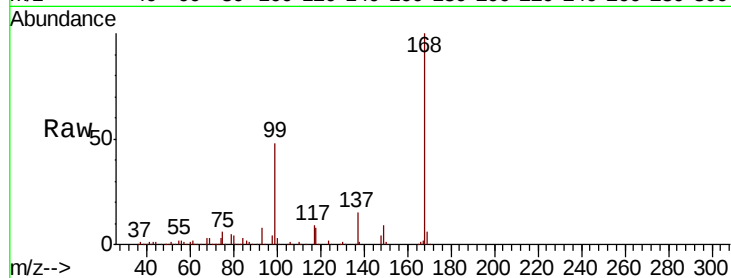
ClientSampleId :

Tot Ion:168 Resp: 316015

Ion Ratio Lower Upper

168 100

99 48.5 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

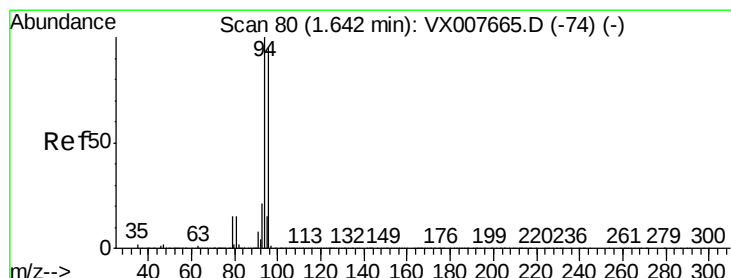
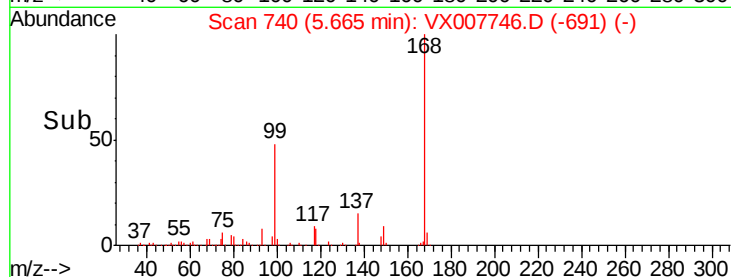
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007746.D

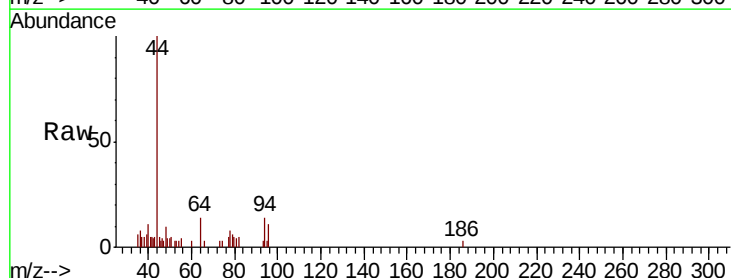
Acq: 27 Feb 2019 20:44

Tgt Ion: 94 Resp: 533

Ion Ratio Lower Upper

94 100

96 78.4 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

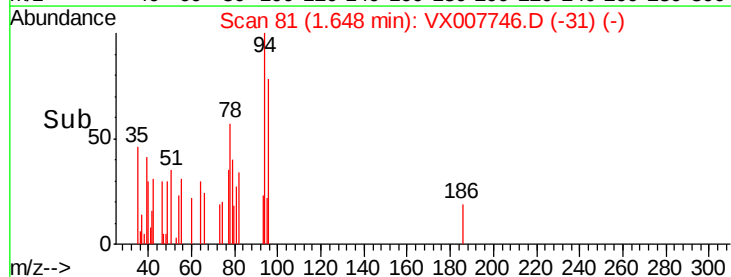
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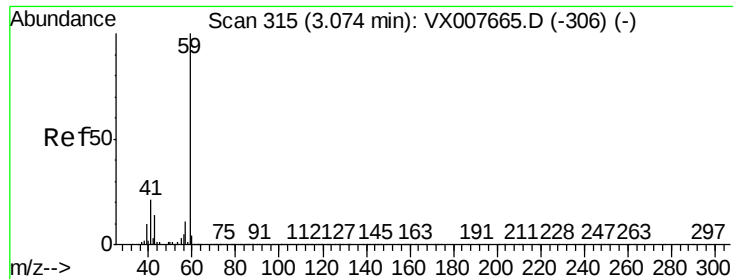
200

100

0

Time-->

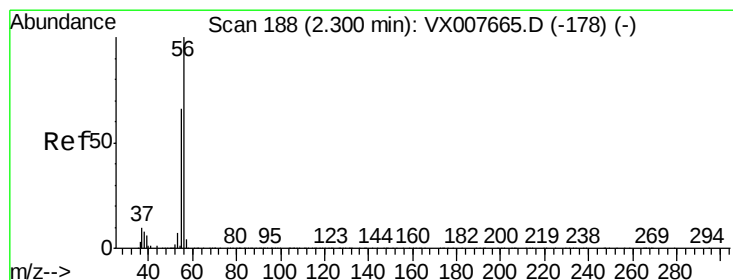
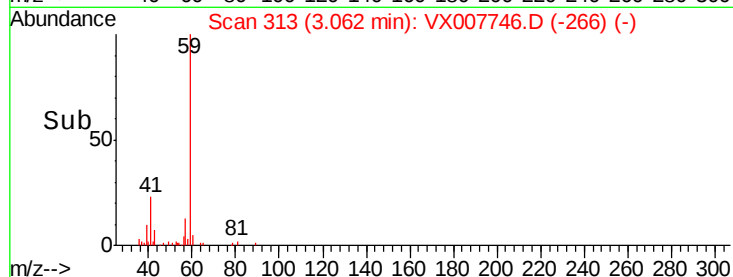
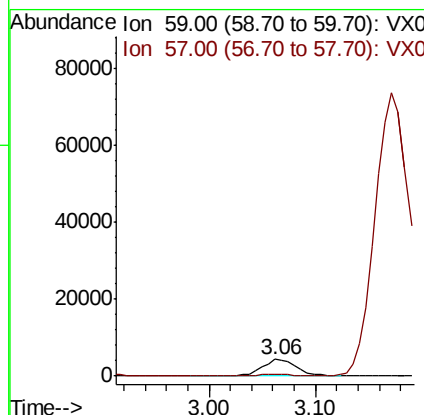
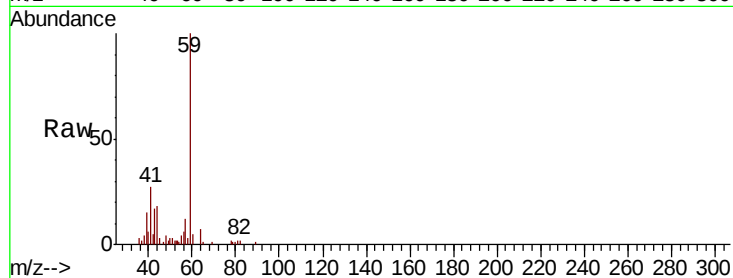




#11  
Tert butyl alcohol  
Concen: 13.542 ug/l  
RT: 3.06 min Scan# 313  
Delta R.T. -0.01 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

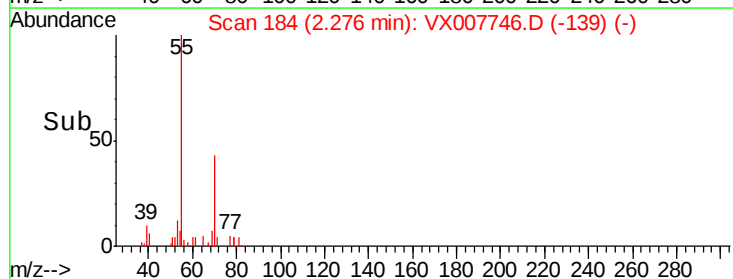
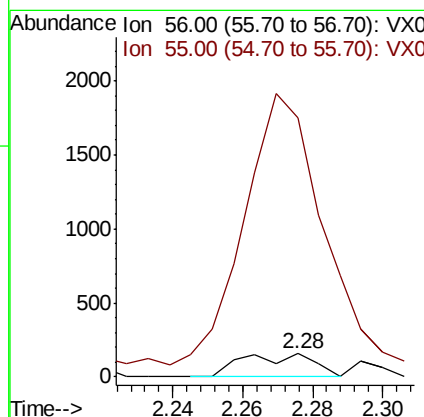
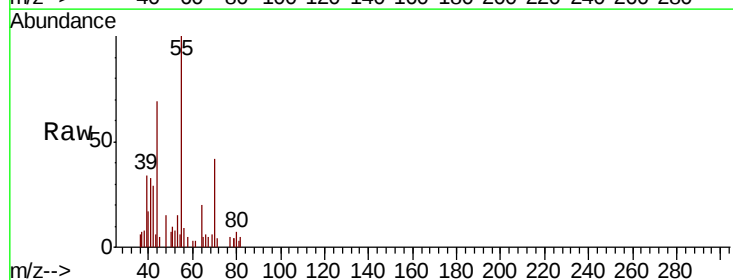
Instrument :  
MSVOA\_X  
ClientSampled :

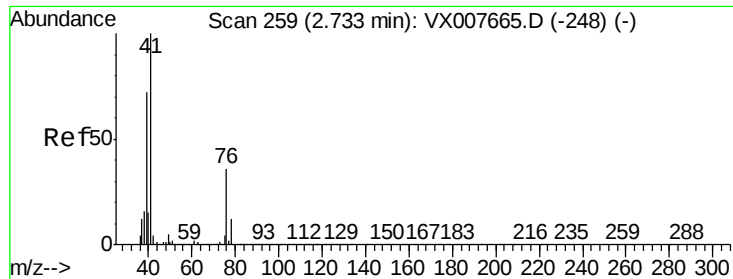
Tot Ion: 59 Resp: 10058  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#



#13  
Acrolein  
Concen: 0.335 ug/l  
RT: 2.28 min Scan# 184  
Delta R.T. -0.02 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

Tgt Ion: 56 Resp: 221  
Ion Ratio Lower Upper  
56 100  
55 1471.9 56.9 85.3#

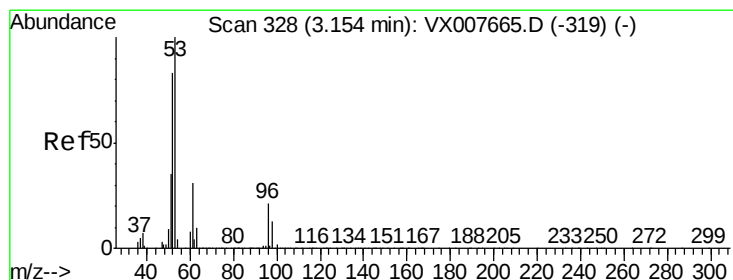
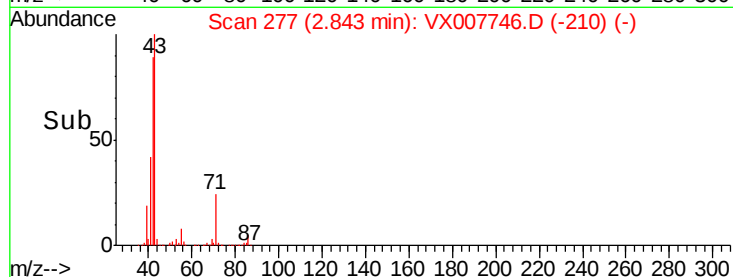
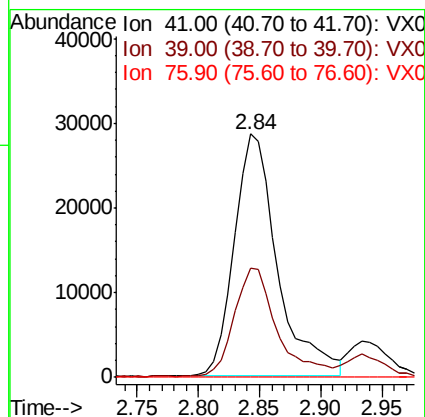
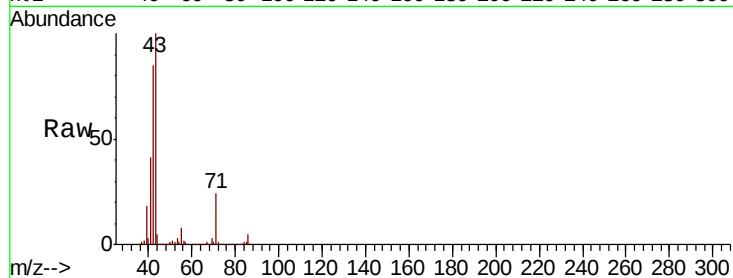




#14  
Allvl chloride  
Concen: 13.765 ug/l  
RT: 2.84 min Scan# 277  
Delta R.T. 0.11 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

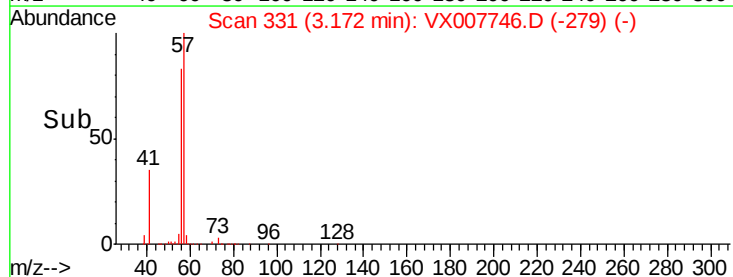
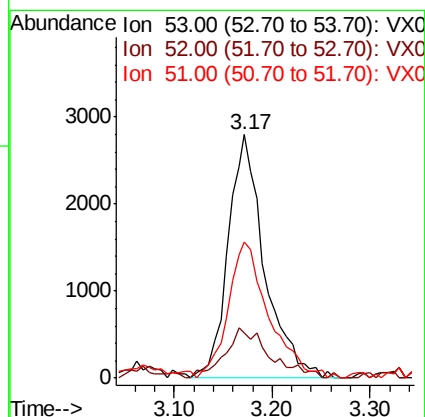
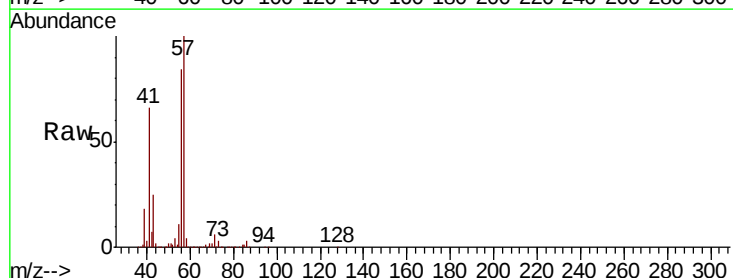
Instrument :  
MSVOA\_X  
ClientSampleId :

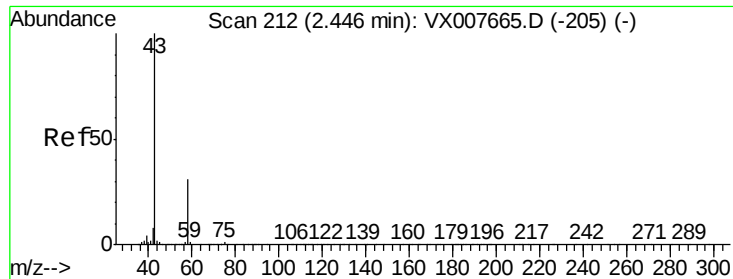
Tot Ion: 41 Resp: 70357  
Ion Ratio Lower Upper  
41 100  
39 44.2 54.1 81.1#  
76 0.0 27.8 41.8#



#15  
Acrylonitrile  
Concen: 4.130 ug/l  
RT: 3.17 min Scan# 331  
Delta R.T. 0.02 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

Tgt Ion: 53 Resp: 7218  
Ion Ratio Lower Upper  
53 100  
52 25.5 66.4 99.6#  
51 62.3 28.4 42.6#





#16

Acetone

Concen: 5.395 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Instrument :

MSVOA\_X

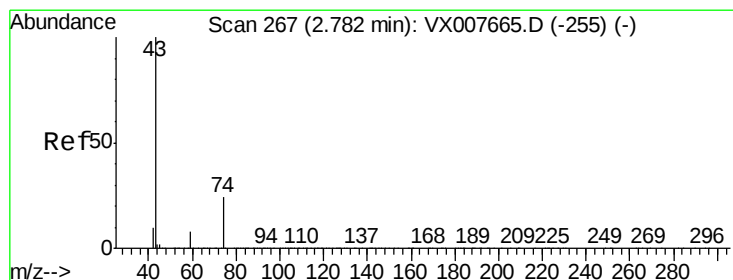
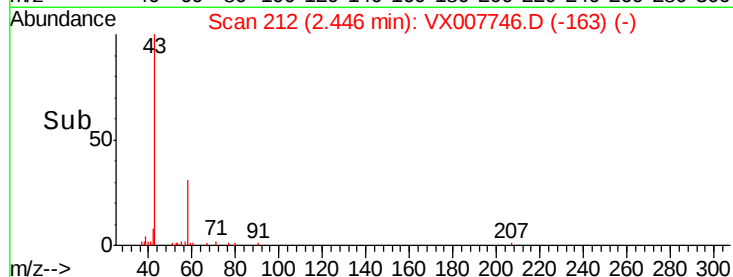
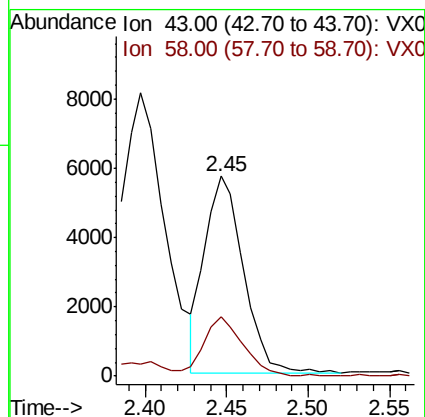
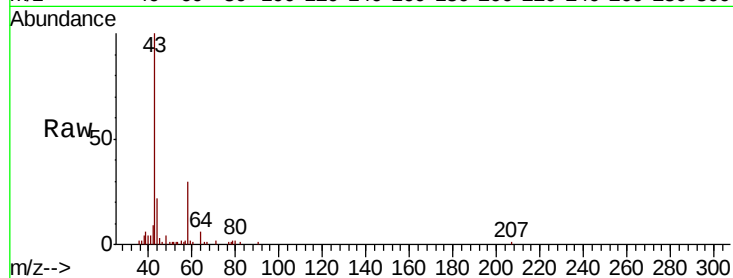
ClientSampleId :

Tot Ion: 43 Resp: 9391

Ion Ratio Lower Upper

43 100

58 30.5 24.9 37.3



#18

Methyl Acetate

Concen: 45.500 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.06 min

Lab File: VX007746.D

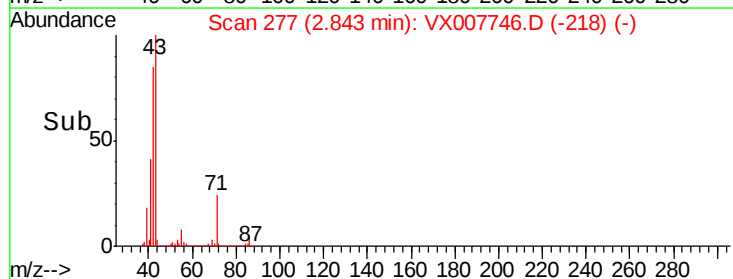
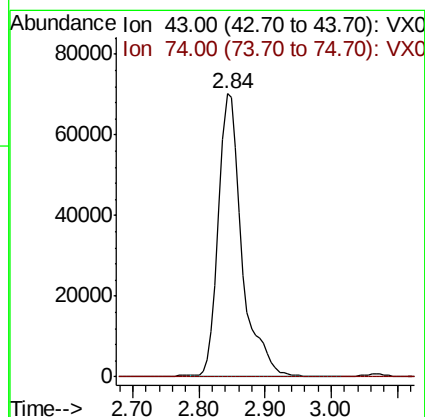
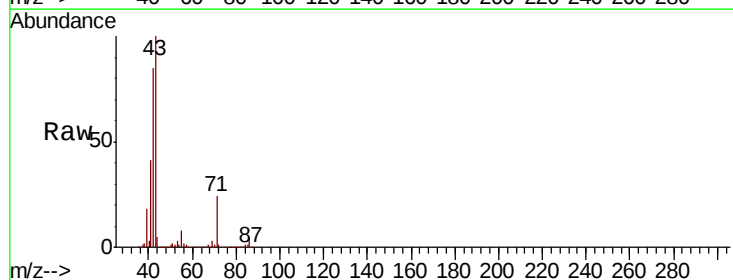
Acq: 27 Feb 2019 20:44

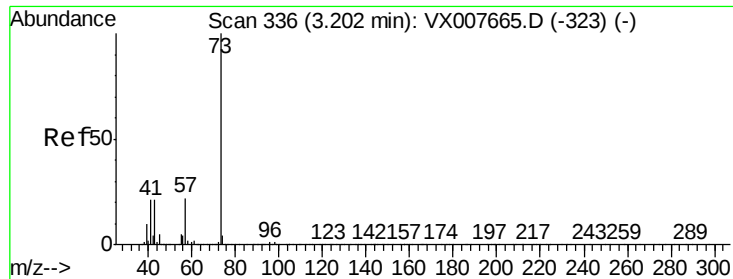
Tgt Ion: 43 Resp: 172832

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#

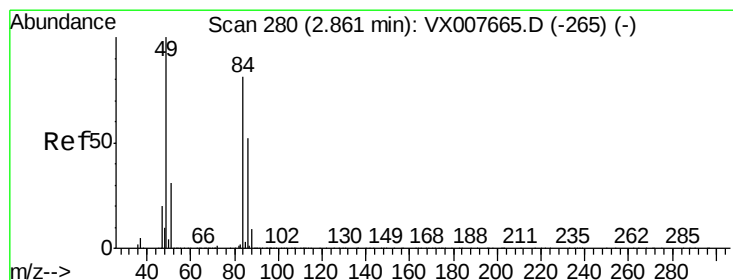
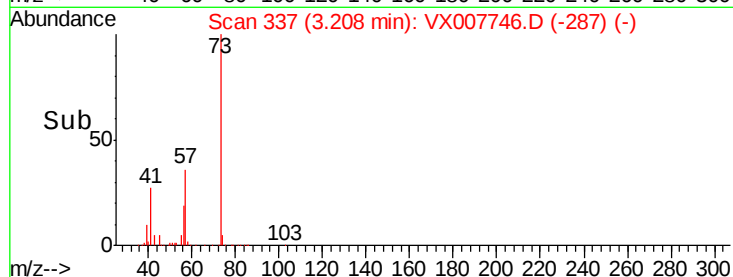
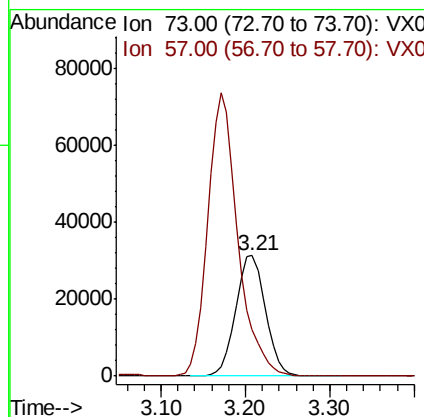
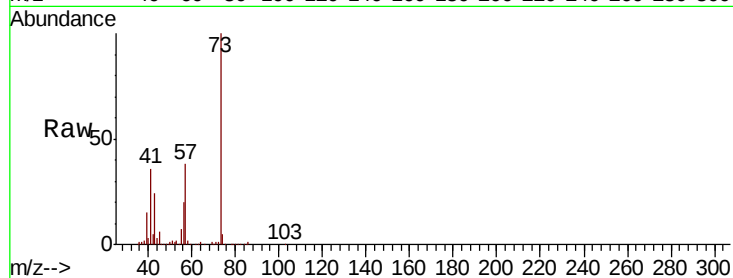




#19  
Methvl tert-butvl Ether  
Concen: 7.773 ug/l  
RT: 3.21 min Scan# 337  
Delta R.T. 0.01 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

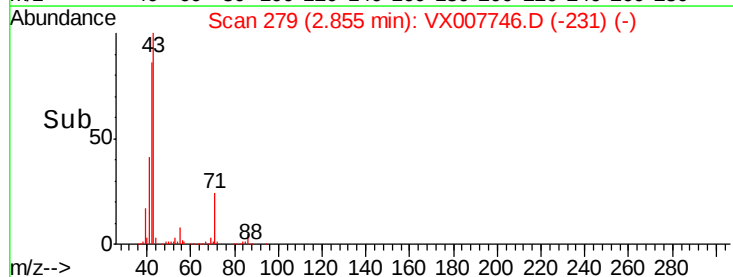
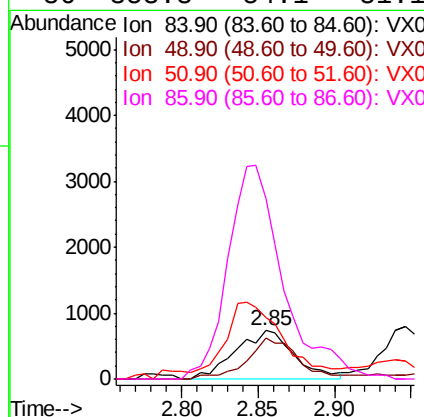
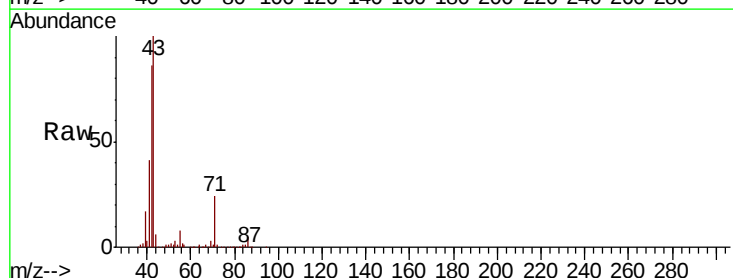
Instrument :  
MSVOA\_X  
ClientSampleId :

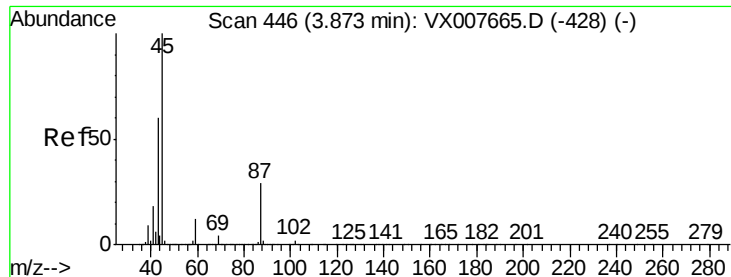
Tot Ion: 73 Resp: 74820  
Ion Ratio Lower Upper  
73 100  
57 38.1 17.8 26.8#



#20  
Methylene Chloride  
Concen: 0.610 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

Tgt Ion: 84 Resp: 1962  
Ion Ratio Lower Upper  
84 100  
49 84.1 94.8 142.2#  
51 113.1 29.8 44.8#  
86 353.3 54.1 81.1#





#22

Diisopropyl ether

Concen: 0.493 ug/l

RT: 3.87 min Scan# 446

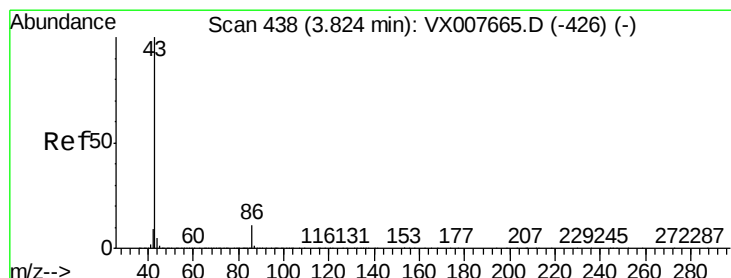
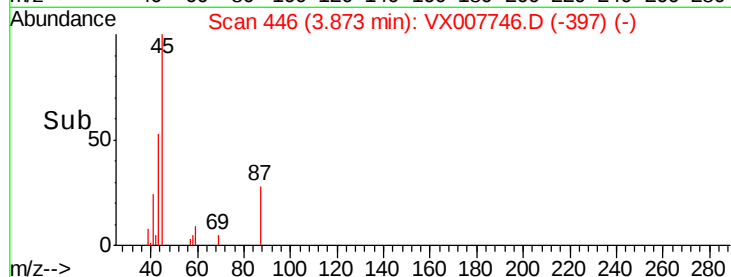
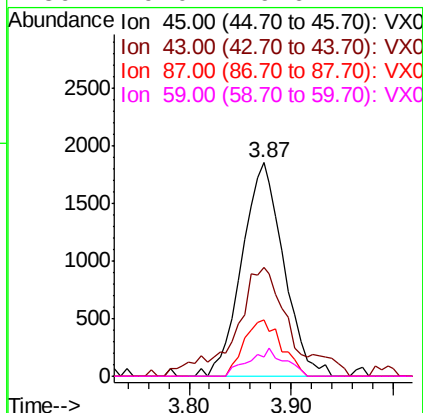
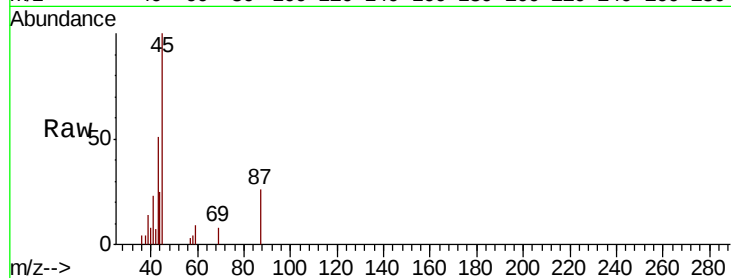
Delta R.T. -0.00 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Instrument :  
MSVOA\_X  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 45    | Resp: | 5250  |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 44.6  | 48.9  | 73.3# |
| 87       | 26.4  | 23.9  | 35.9  |
| 59       | 9.0   | 9.6   | 14.4# |



#23

Vinyl Acetate

Concen: 0.338 ug/l

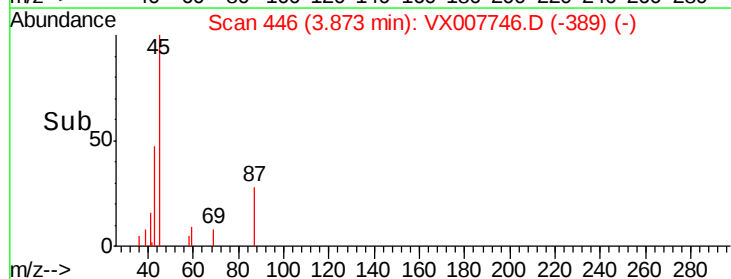
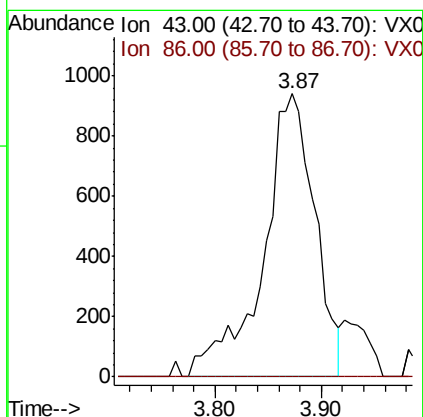
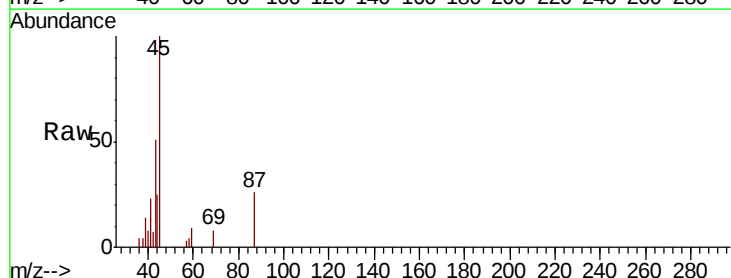
RT: 3.87 min Scan# 446

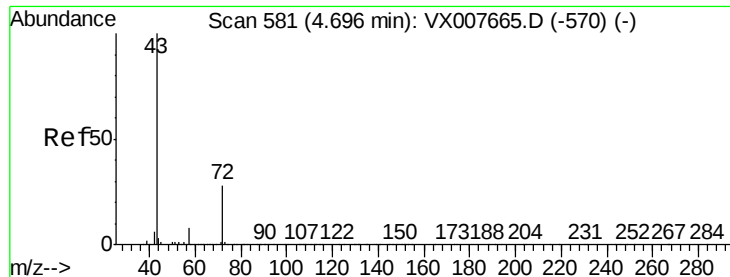
Delta R.T. 0.05 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3154  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 0.0   | 8.7   | 13.1# |





#25

2-Butanone

Concen: 0.232 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

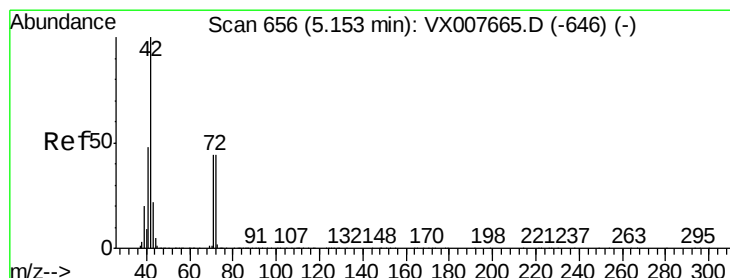
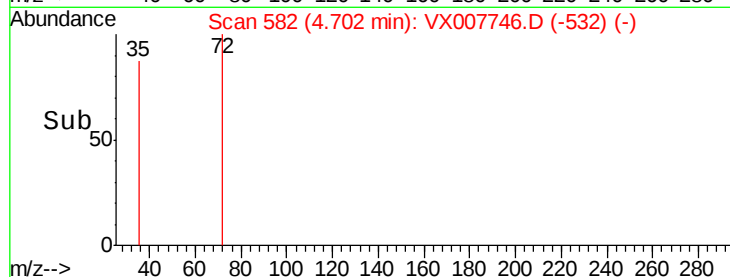
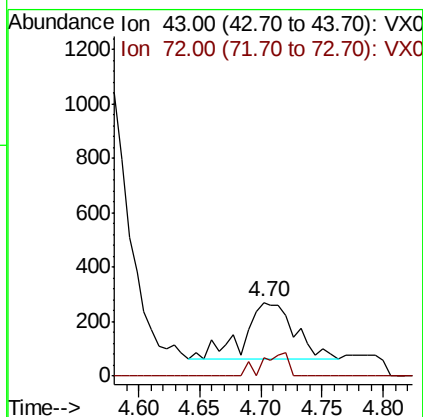
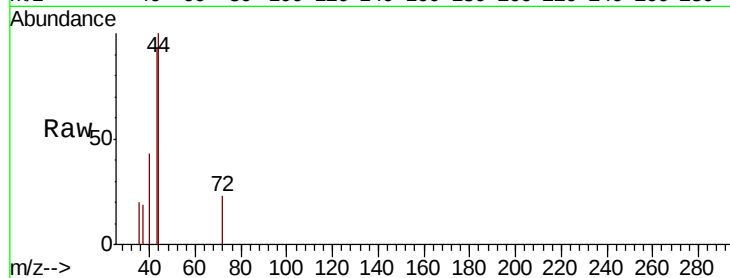
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 43 Resp: 616

Ion Ratio Lower Upper

43 100

72 31.8 22.2 33.2



#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

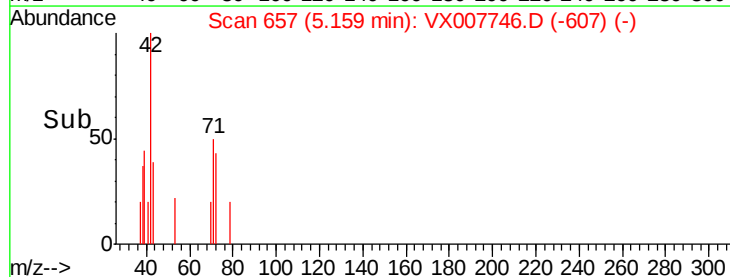
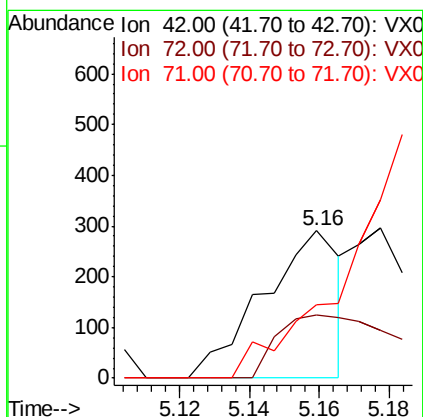
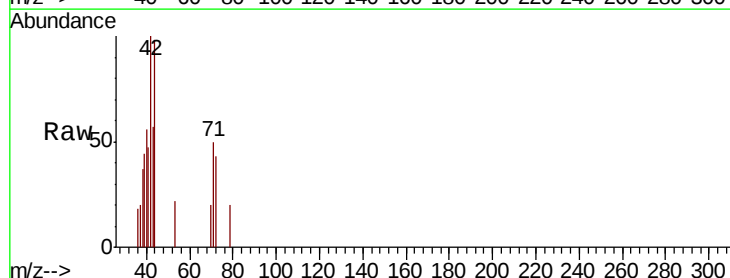
Tgt Ion: 42 Resp: 449

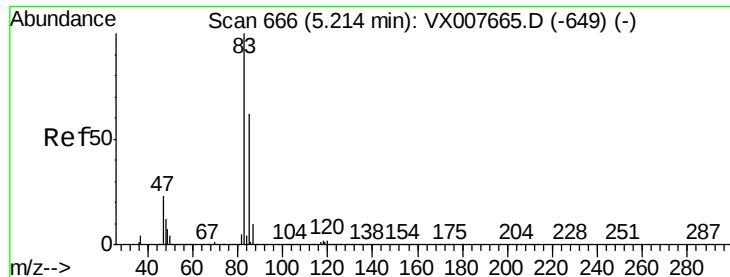
Ion Ratio Lower Upper

42 100

72 59.5 37.6 56.4#

71 0.0 34.6 51.8#

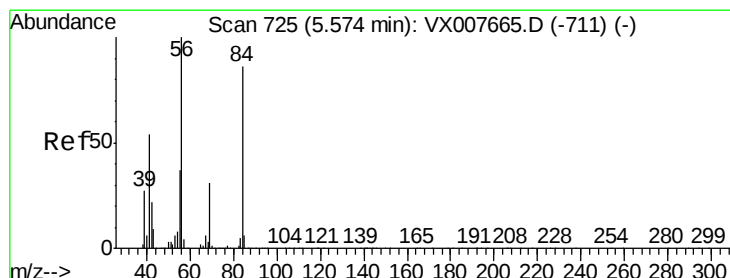
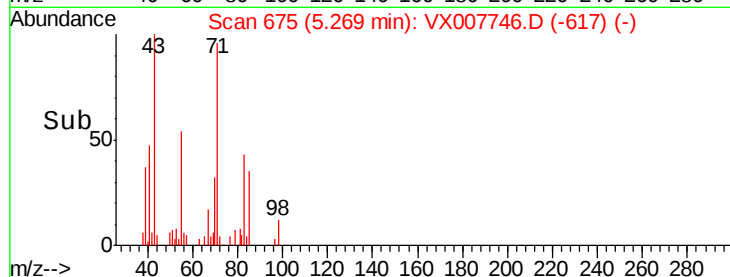
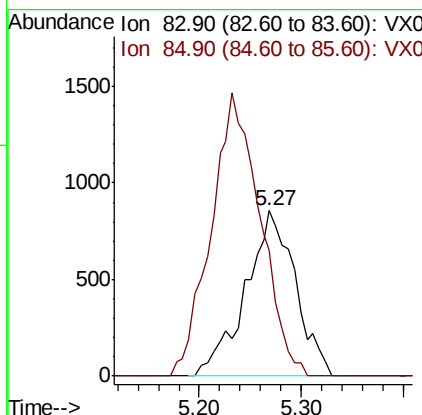
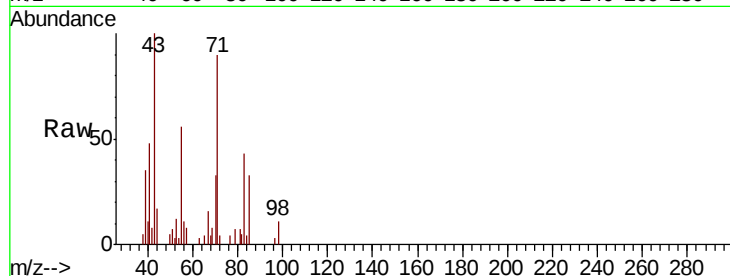




#30  
Chloroform  
Concen: 0.469 ug/l  
RT: 5.27 min Scan# 675  
Delta R.T. 0.05 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

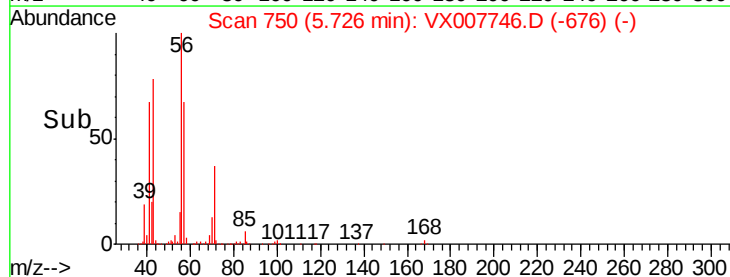
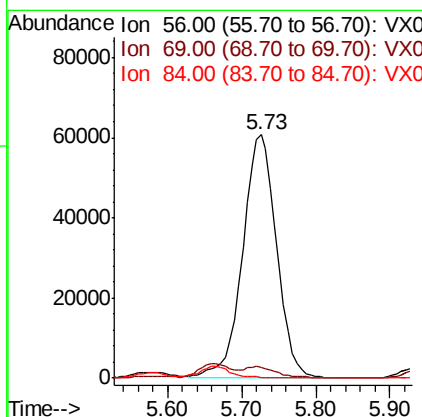
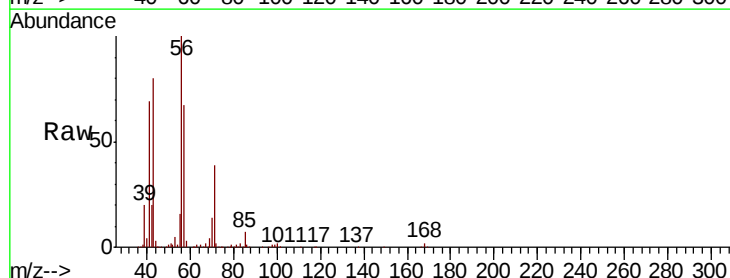
Instrument :  
MSVOA\_X  
ClientSampleId :

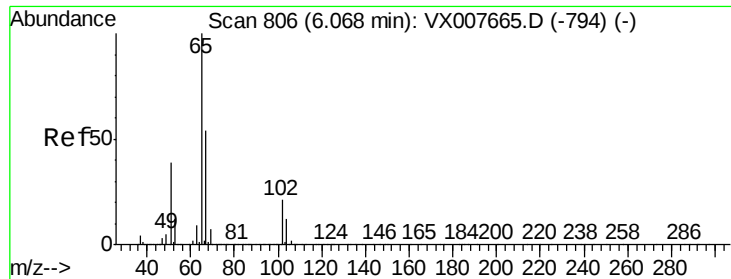
Tot Ion: 83 Resp: 2905  
Ion Ratio Lower Upper  
83 100  
85 76.5 51.6 77.4



#31  
Cyclohexane  
Concen: 35.433 ug/l  
RT: 5.73 min Scan# 750  
Delta R.T. 0.15 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

Tgt Ion: 56 Resp: 192734  
Ion Ratio Lower Upper  
56 100  
69 4.5 23.0 34.6#  
84 0.4 69.8 104.6#

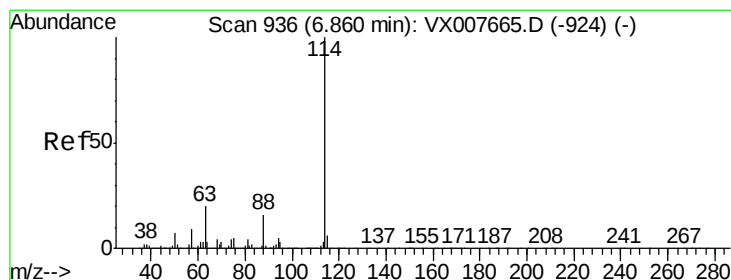
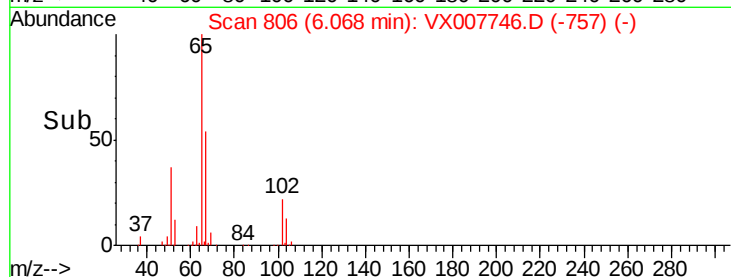
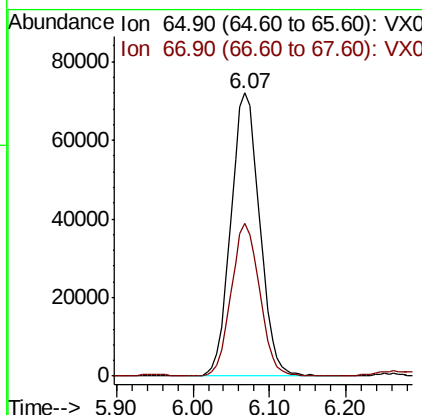
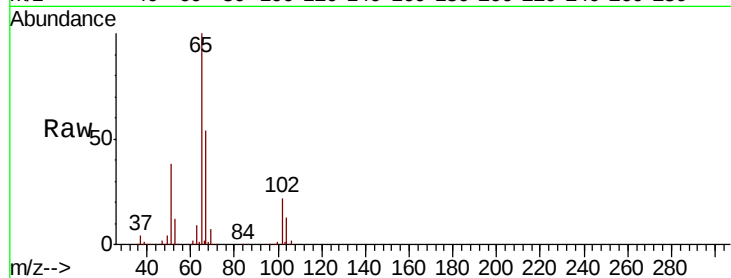




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.947 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX007746.D  
 Acq: 27 Feb 2019 20:44

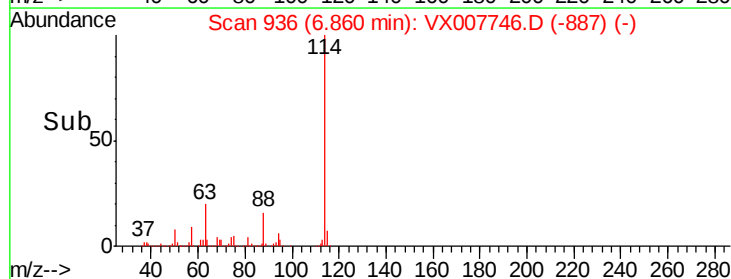
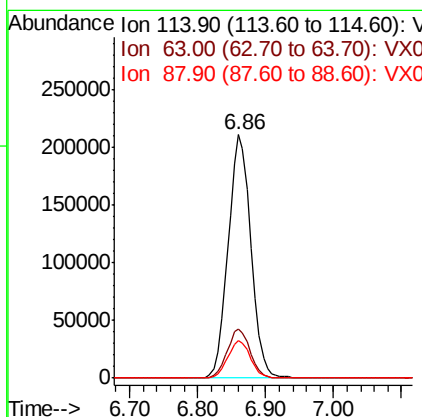
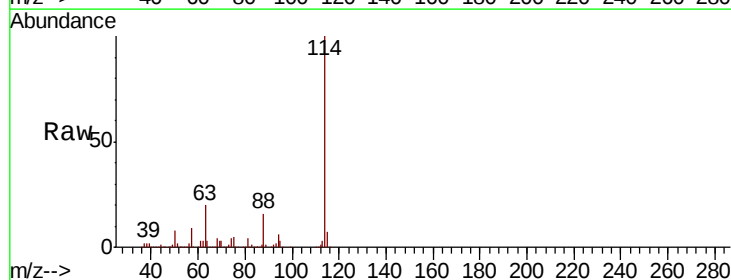
Instrument :  
 MSVOA\_X  
 ClientSampleId :

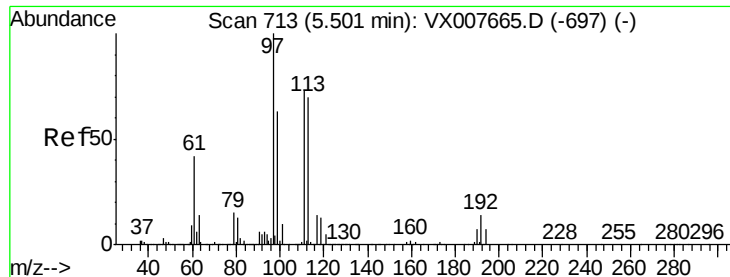
Tot Ion: 65 Resp: 187683  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 108.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX007746.D  
 Acq: 27 Feb 2019 20:44

Tgt Ion: 114 Resp: 488800  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 35.6  
 88 15.6 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.100 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Instrument :

MSVOA\_X

ClientSampleId :

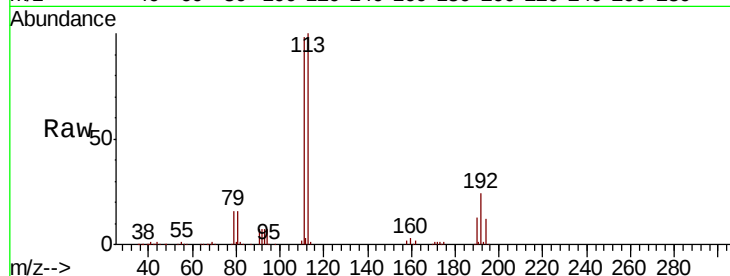
Tot Ion:113 Resp: 157167

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

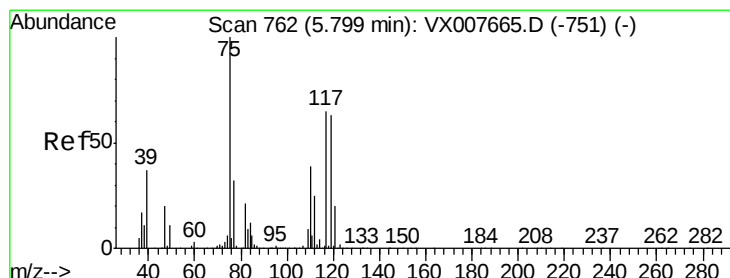
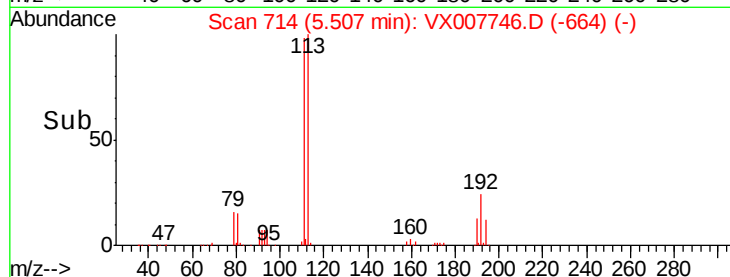
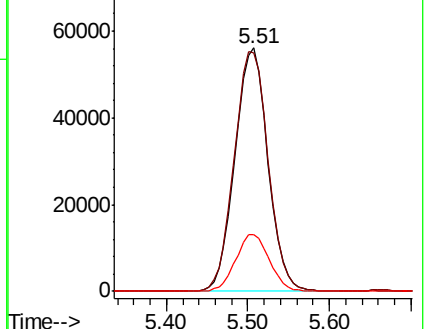
192 23.8 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.660 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

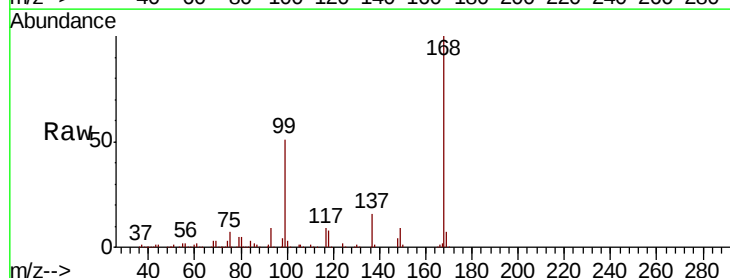
Tgt Ion: 75 Resp: 20479

Ion Ratio Lower Upper

75 100

110 9.2 20.0 59.9#

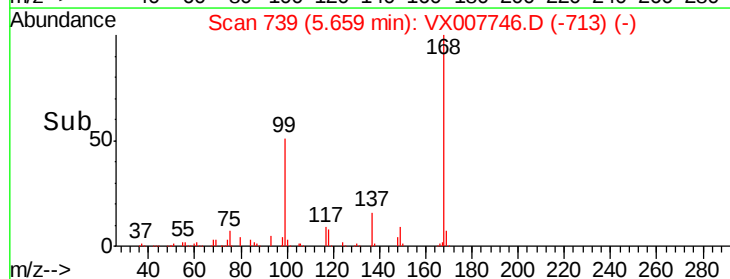
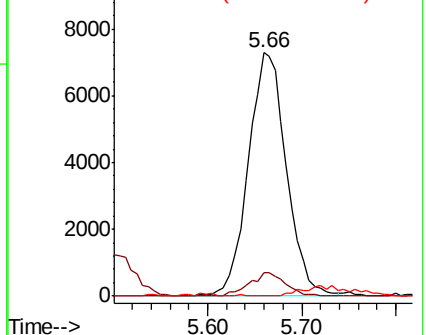
77 0.0 24.7 37.1#

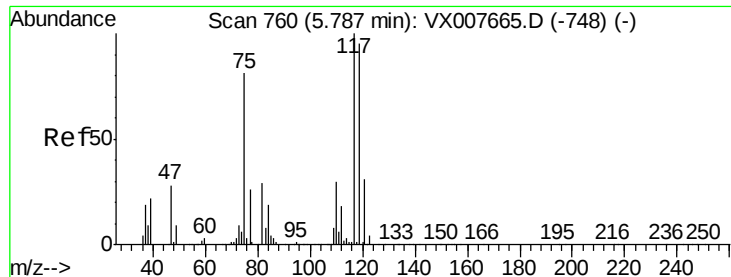


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

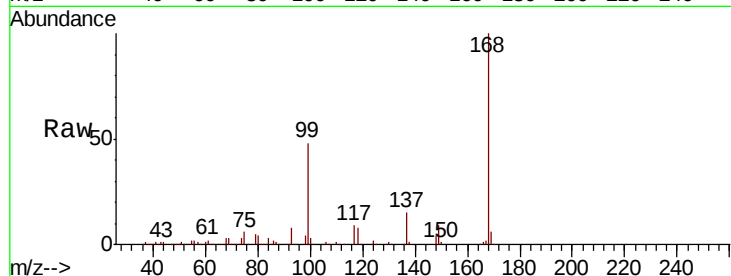




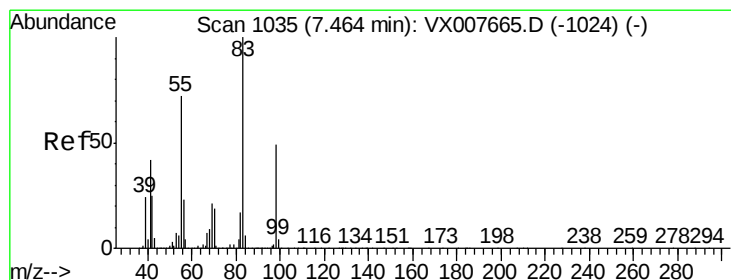
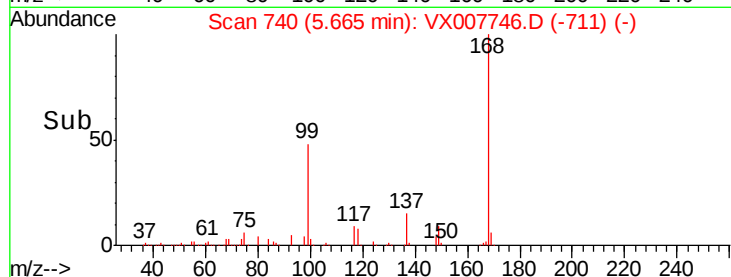
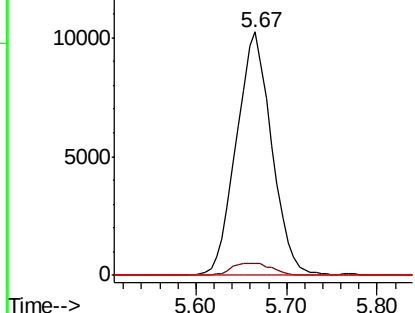
#38  
Carbon Tetrachloride  
Concen: 6.286 ug/l  
RT: 5.67 min Scan# 740  
Delta R.T. -0.12 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:117 Resp: 27747  
Ion Ratio Lower Upper  
117 100  
119 4.8 75.3 112.9#  
121 0.0 25.0 37.4#

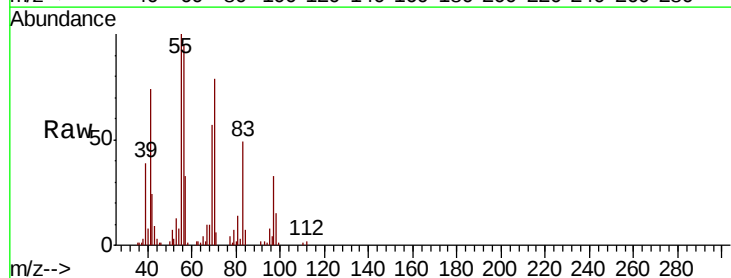


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

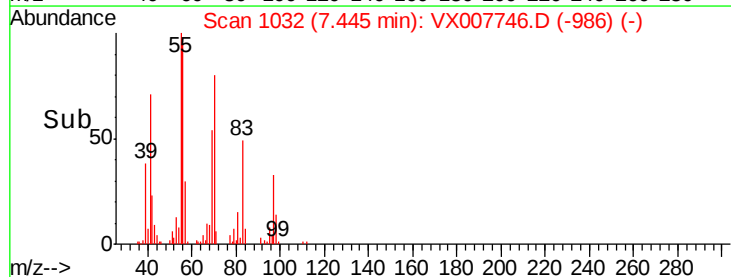
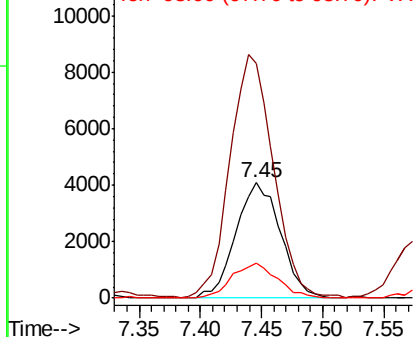


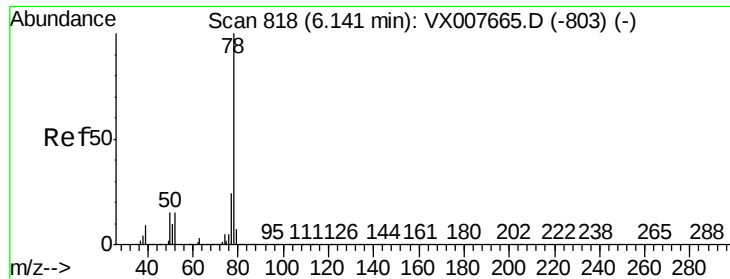
#39  
Methylcyclohexane  
Concen: 1.859 ug/l  
RT: 7.45 min Scan# 1032  
Delta R.T. -0.02 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

Tgt Ion: 83 Resp: 10327  
Ion Ratio Lower Upper  
83 100  
55 202.2 56.2 84.2#  
98 30.3 36.8 55.2#



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





#40

Benzene

Concen: 2.703 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Instrument :

MSVOA\_X

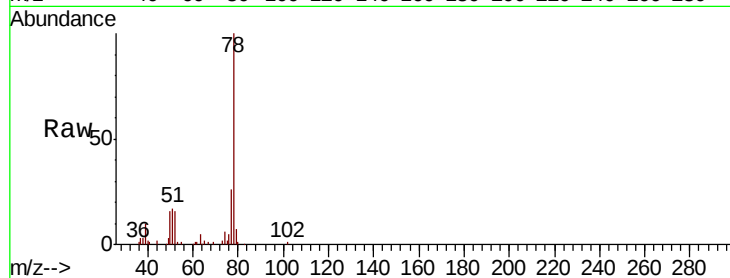
ClientSampleId :

Tot Ion: 78 Resp: 36667

Ion Ratio Lower Upper

78 100

77 25.8 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

15000

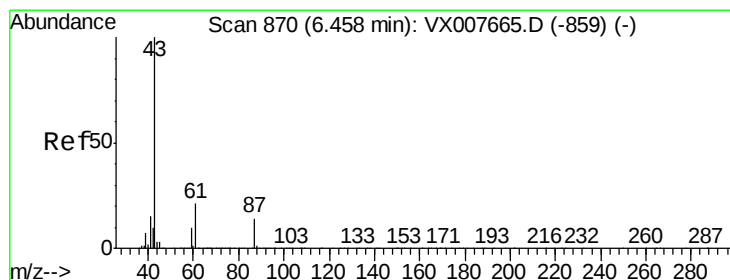
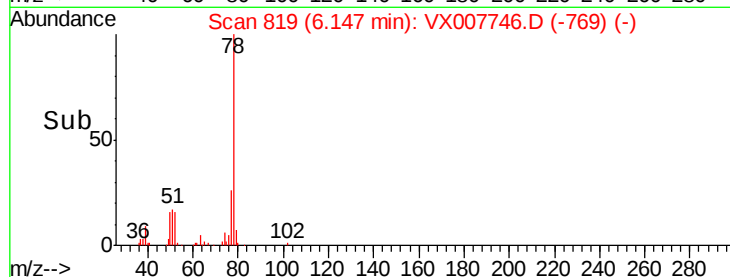
10000

5000

0

6.10 6.20

Time-->



#43

Isopropyl Acetate

Concen: 18.551 ug/l

RT: 6.35 min Scan# 852

Delta R.T. -0.11 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

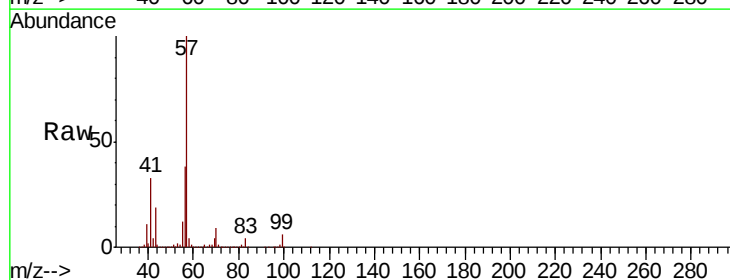
Tgt Ion: 43 Resp: 139372

Ion Ratio Lower Upper

43 100

61 0.1 16.1 24.1#

87 0.0 11.5 17.3#



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

40000

30000

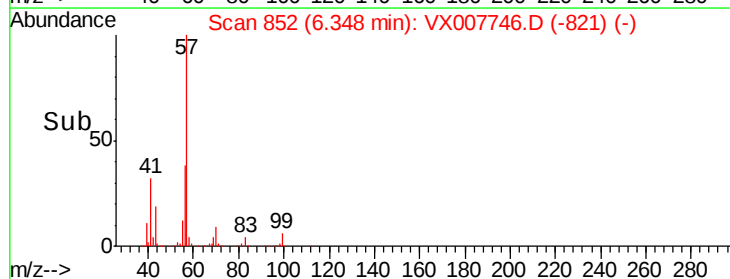
20000

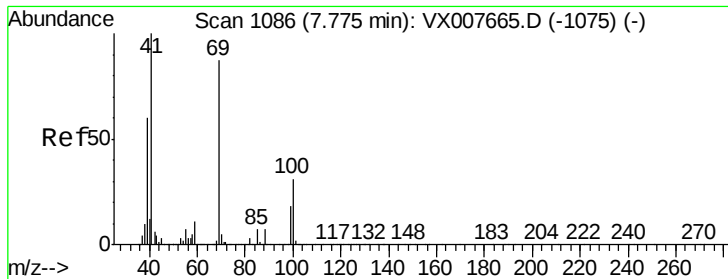
10000

0

6.10 6.20 6.30 6.40 6.50

Time-->





#48

Methvl methacrylate

Concen: 2.030 ug/l

RT: 7.85 min Scan# 1098

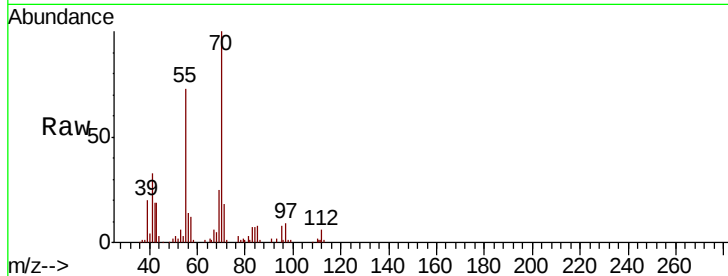
Delta R.T. 0.07 min

Lab File: VX007746.D

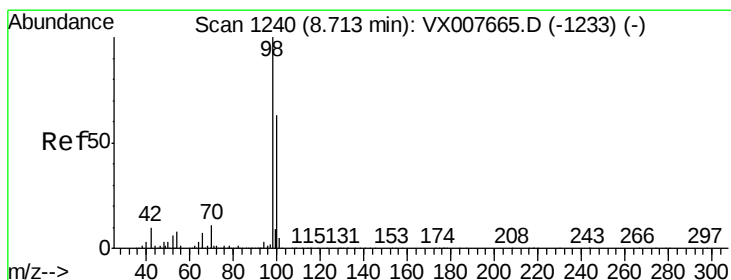
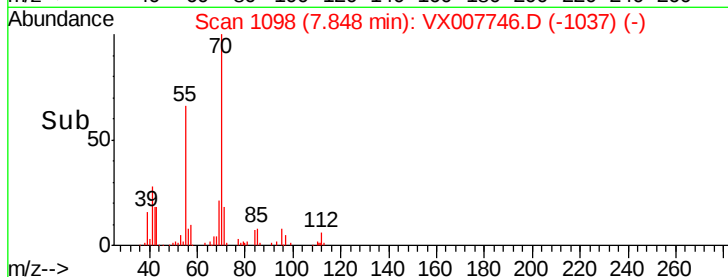
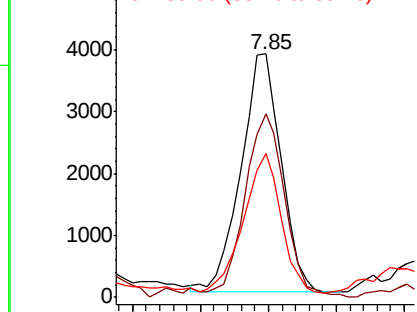
Acq: 27 Feb 2019 20:44

Instrument :  
MSVOA\_X  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 7993  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 76.3  | 70.2  | 105.4 |
| 39       | 54.4  | 47.4  | 71.0  |



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 48.639 ug/l

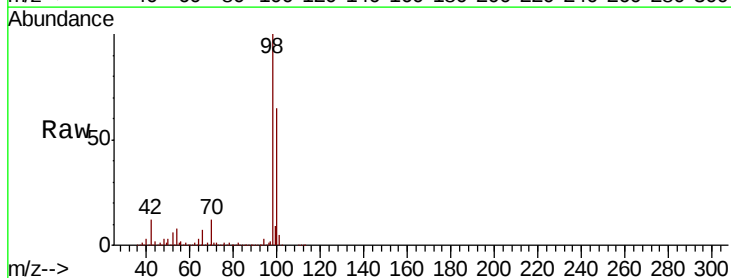
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

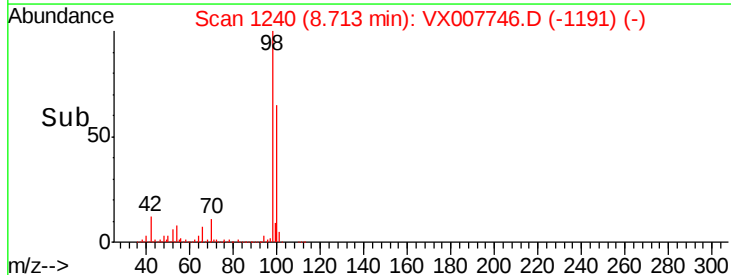
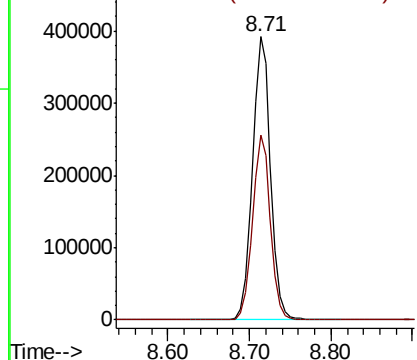
Lab File: VX007746.D

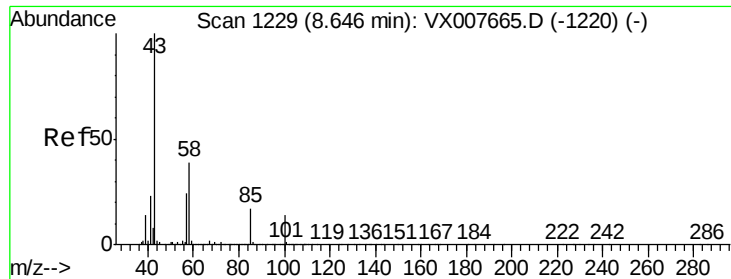
Acq: 27 Feb 2019 20:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 608435 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.6  | 51.6  | 77.4   |



Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): V

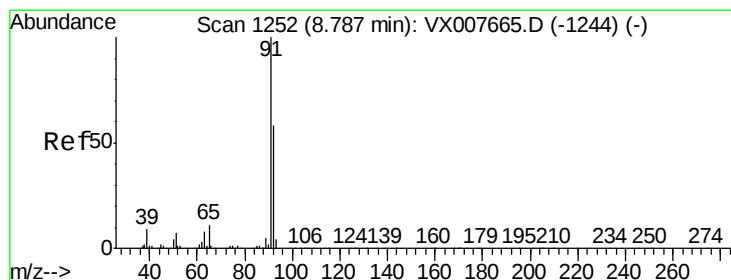
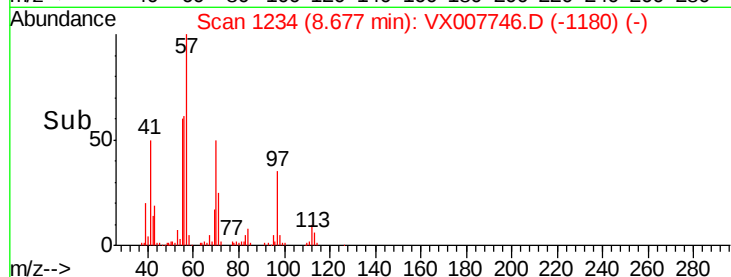
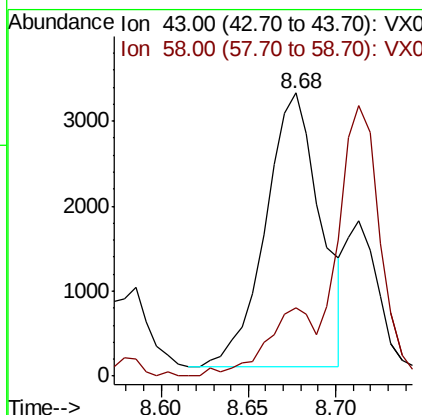
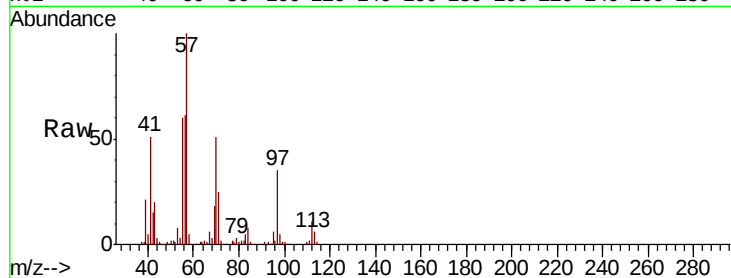




#51  
4-Methyl-2-Pentanone  
Concen: 1.409 ug/l  
RT: 8.68 min Scan# 1234  
Delta R.T. 0.03 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

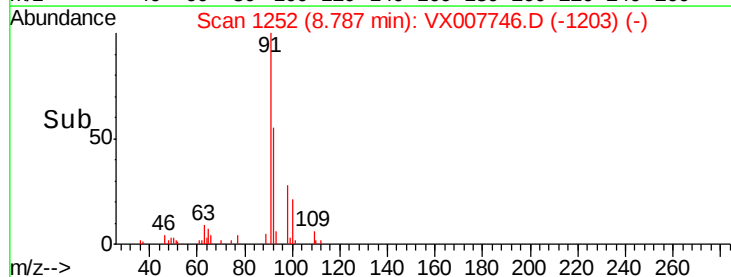
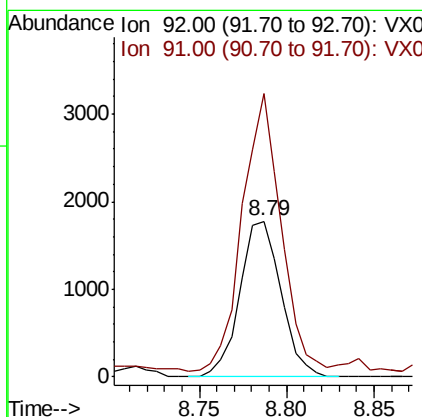
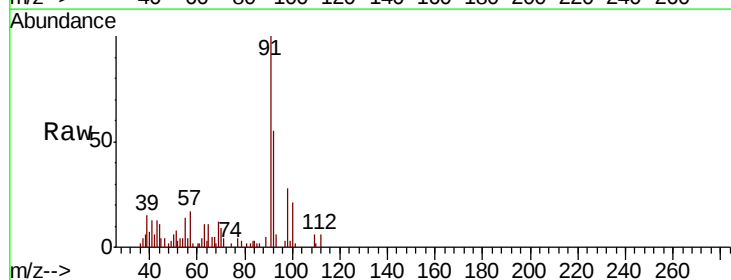
Instrument :  
MSVOA\_X  
ClientSampled :

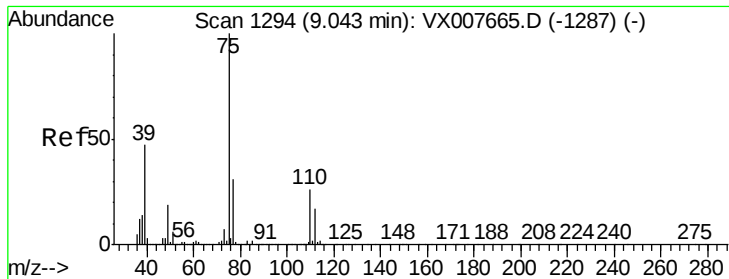
Tot Ion: 43 Resp: 7085  
Ion Ratio Lower Upper  
43 100  
58 21.8 31.2 46.8#



#52  
Toluene  
Concen: 0.340 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. -0.00 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

Tgt Ion: 92 Resp: 2911  
Ion Ratio Lower Upper  
92 100  
91 172.9 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 2.807 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

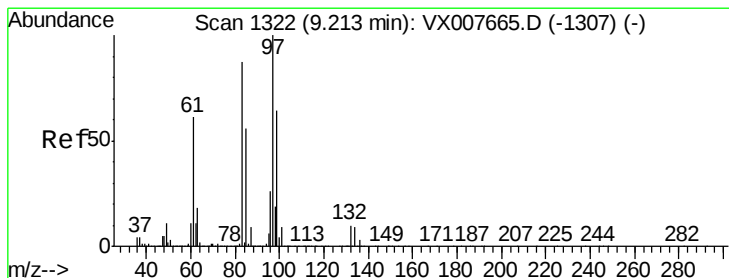
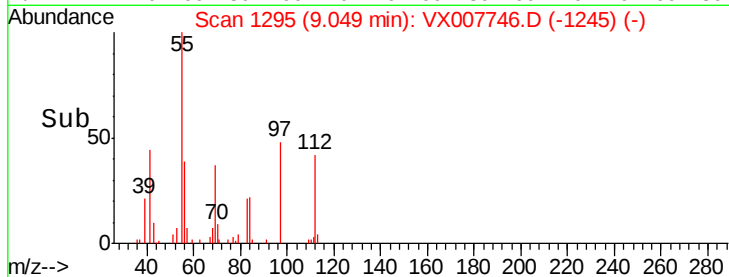
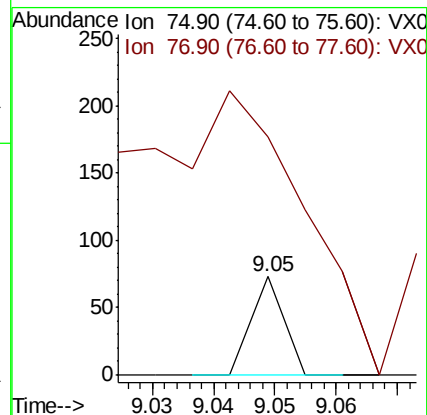
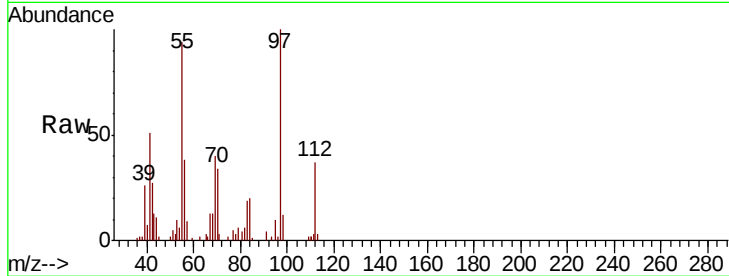
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 75 Resp: 27

Ion Ratio Lower Upper

75 100

77 137.0 25.2 37.8#



#55

1,1,2-Trichloroethane

Concen: 5.964 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Tgt Ion: 97 Resp: 21276

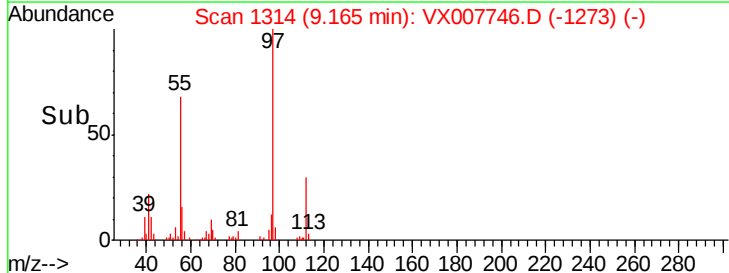
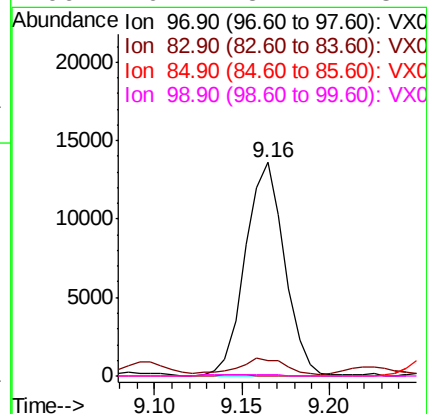
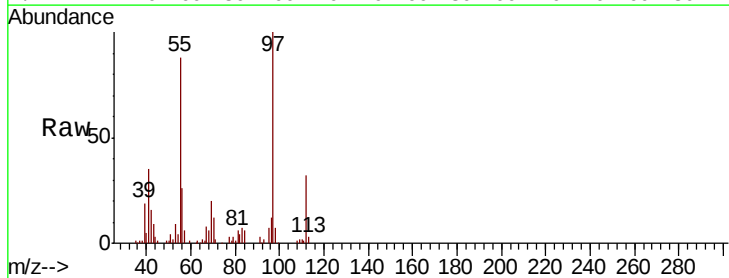
Ion Ratio Lower Upper

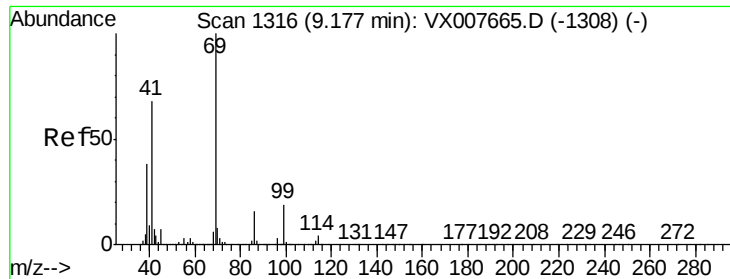
97 100

83 6.4 68.6 102.8#

85 0.0 44.5 66.7#

99 0.4 52.2 78.4#





#56

Ethyl methacrylate

Concen: 0.953 ug/l

RT: 9.16 min Scan# 1314

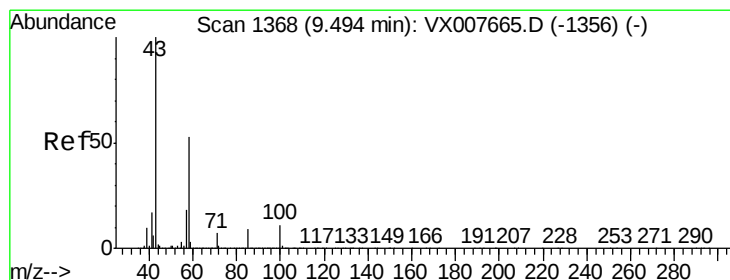
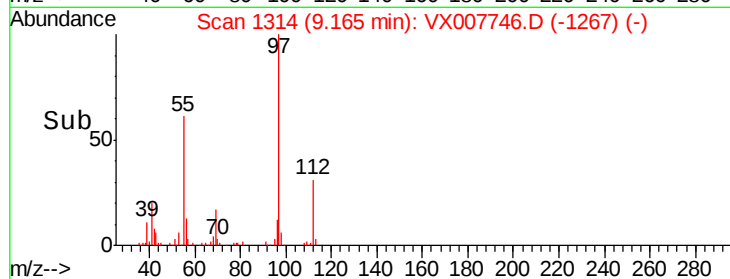
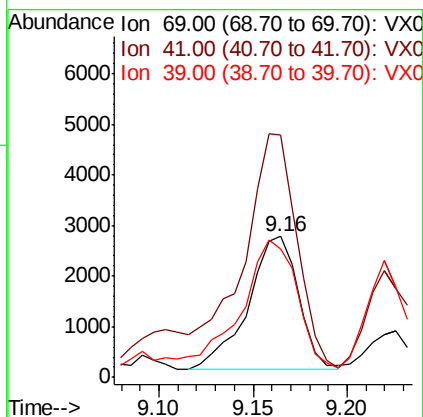
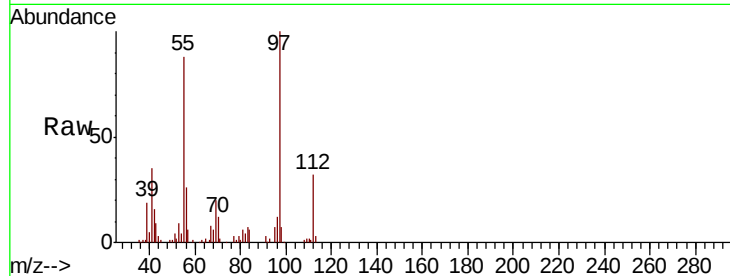
Delta R.T. -0.01 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 69    | Resp: | 4835  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 191.6 | 52.1  | 78.1# |
| 39       | 107.4 | 30.1  | 45.1# |



#59

2-Hexanone

Concen: 6.209 ug/l

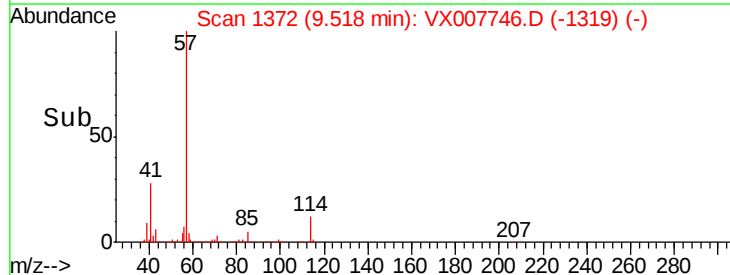
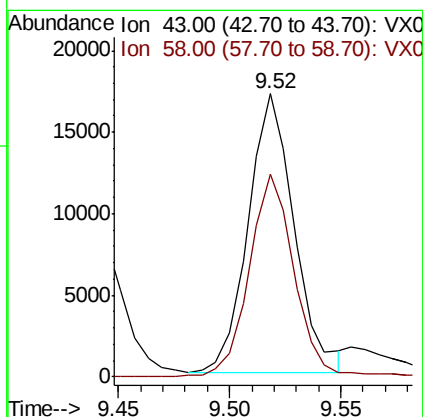
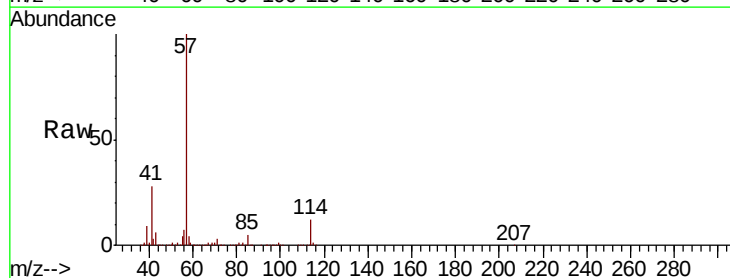
RT: 9.52 min Scan# 1372

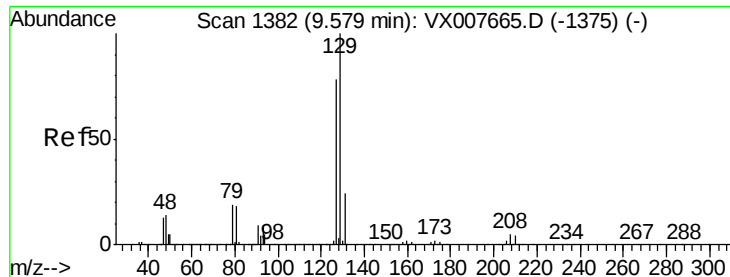
Delta R.T. 0.02 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 24513 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 71.9  | 27.1  | 81.3  |





#60

Dibromochloromethane

Concen: 0.295 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Instrument :

MSVOA\_X

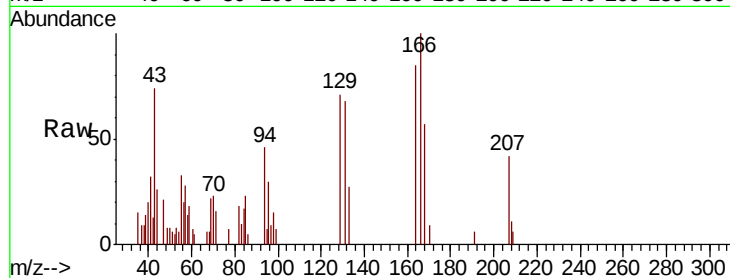
ClientSampleId :

Tot Ion:129 Resp: 1014

Ion Ratio Lower Upper

129 100

127 0.0 37.8 113.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

800

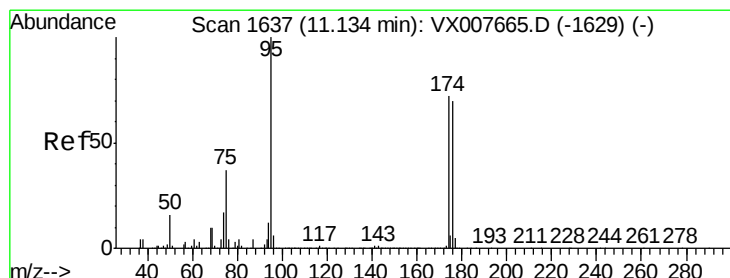
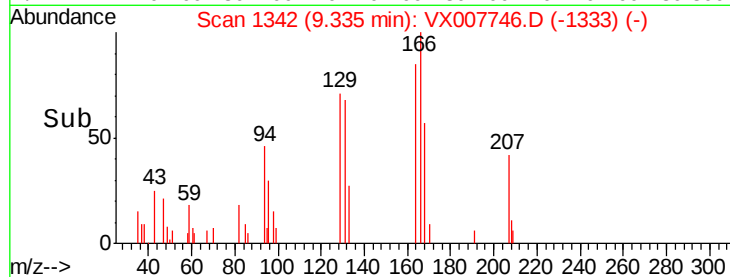
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.686 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

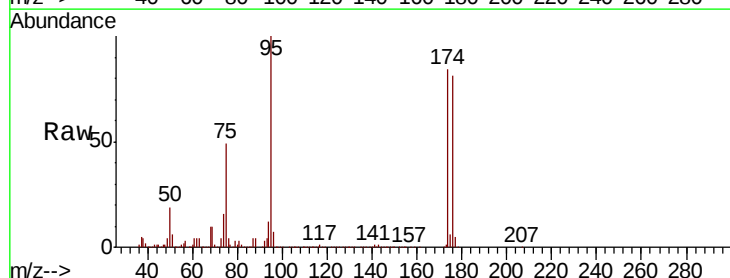
Tgt Ion: 95 Resp: 223534

Ion Ratio Lower Upper

95 100

174 91.2 0.0 189.2

176 88.4 0.0 186.2



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

200000

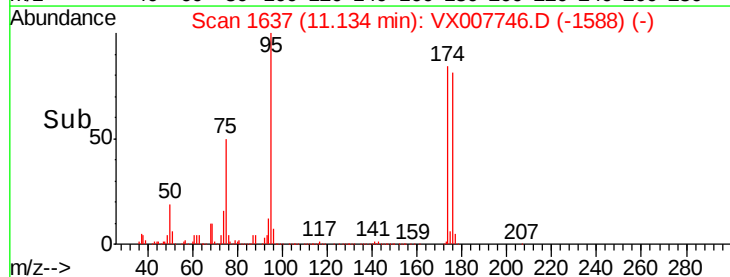
150000

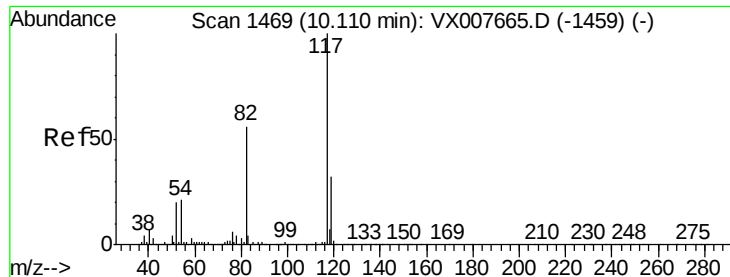
100000

50000

0

Time-->

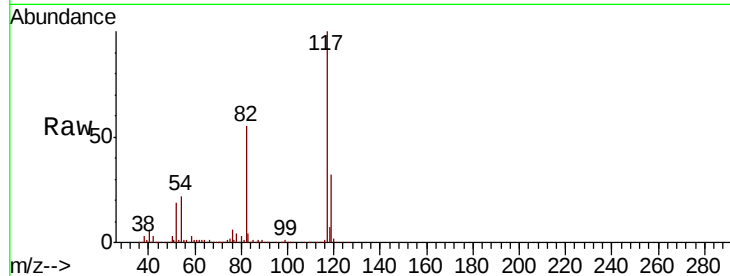




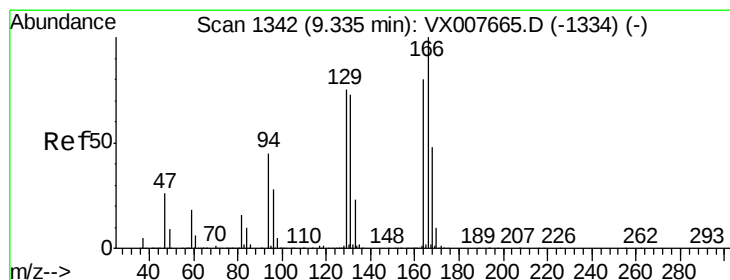
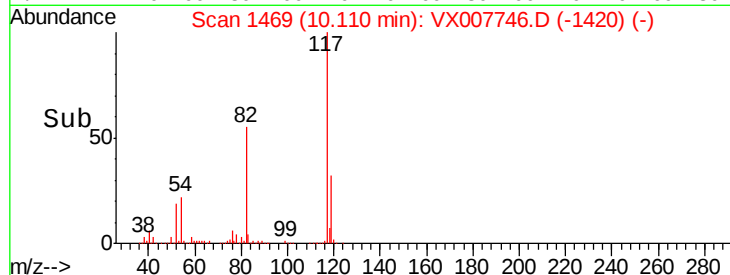
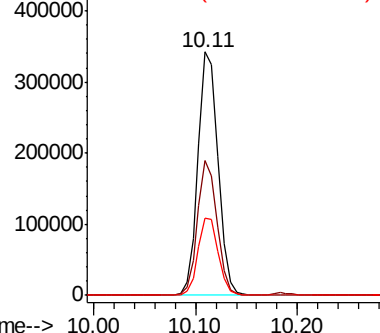
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.2  | 42.1  | 63.1  |
| 119     | 31.8  | 26.5  | 39.7  |



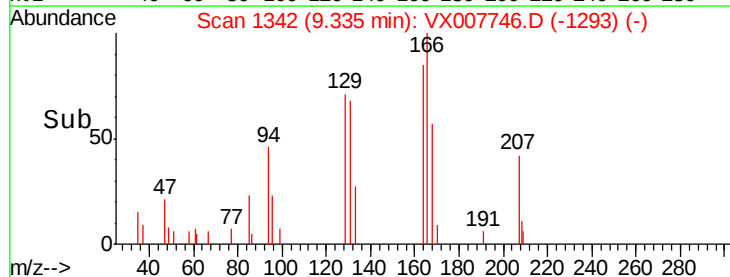
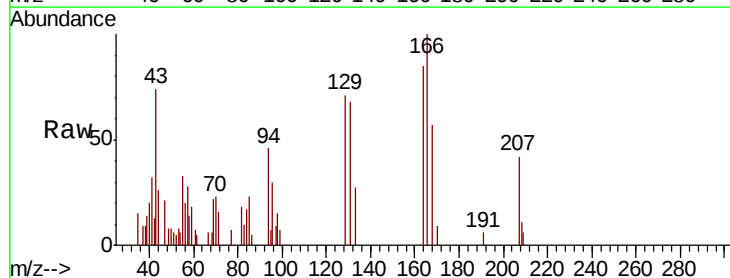
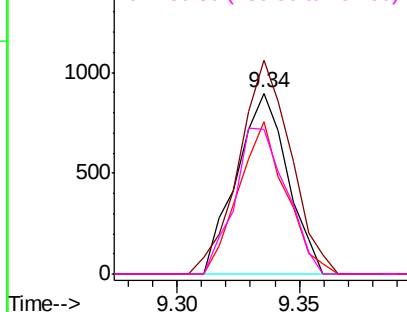
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

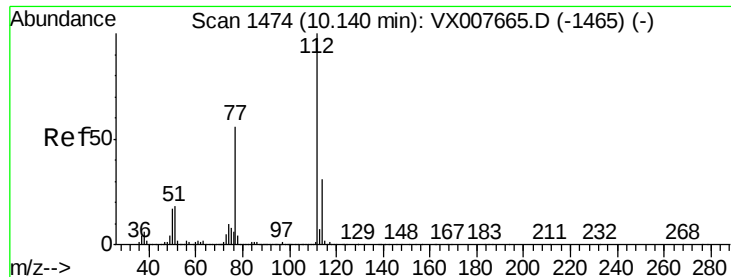


#64  
Tetrachloroethene  
Concen: 0.342 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 118.0 | 101.0 | 151.4 |
| 129     | 83.9  | 70.5  | 105.7 |
| 131     | 80.0  | 69.8  | 104.6 |

Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

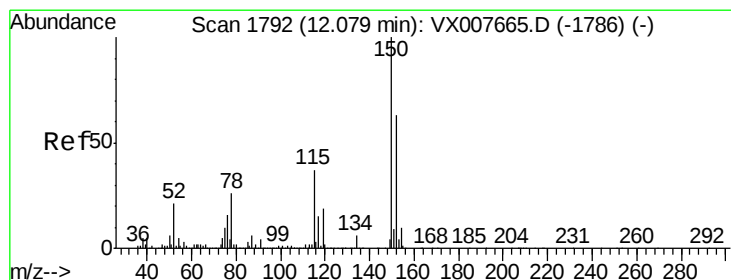
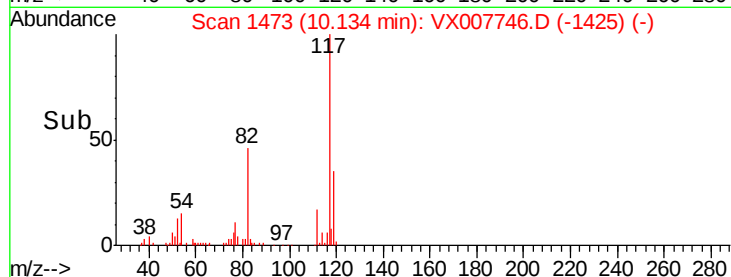
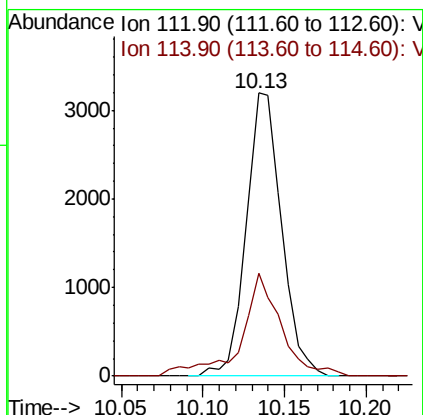
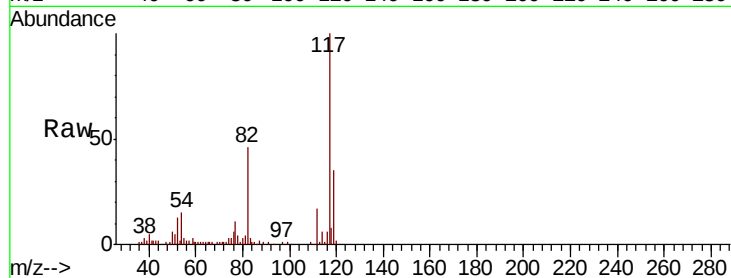




#65  
Chlorobenzene  
Concen: 0.478 ug/l  
RT: 10.13 min Scan# 1473  
Delta R.T. -0.01 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

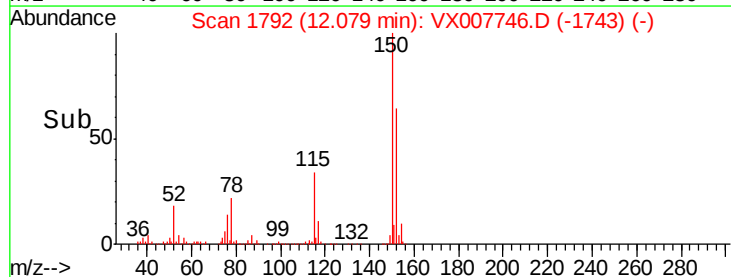
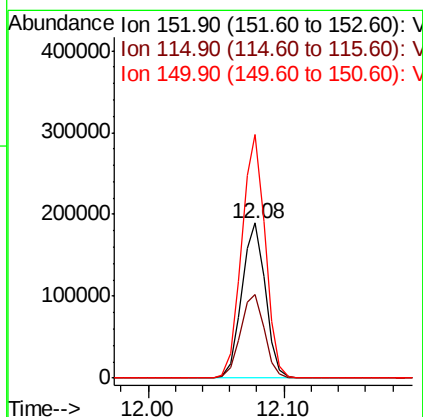
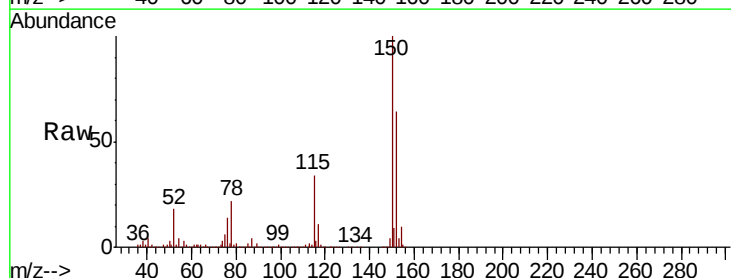
Instrument :  
MSVOA\_X  
ClientSampleId :

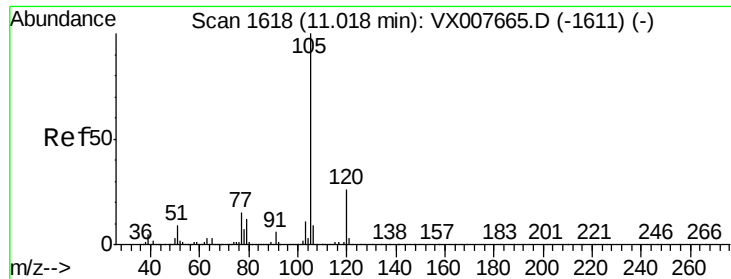
Tot Ion:112 Resp: 4827  
Ion Ratio Lower Upper  
112 100  
114 34.5 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

Tgt Ion:152 Resp: 228220  
Ion Ratio Lower Upper  
152 100  
115 55.0 38.0 114.0  
150 156.9 0.0 346.4





#73

Isopropylbenzene

Concen: 0.521 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Instrument :

MSVOA\_X

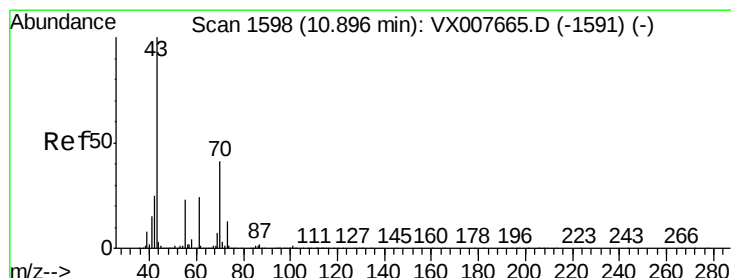
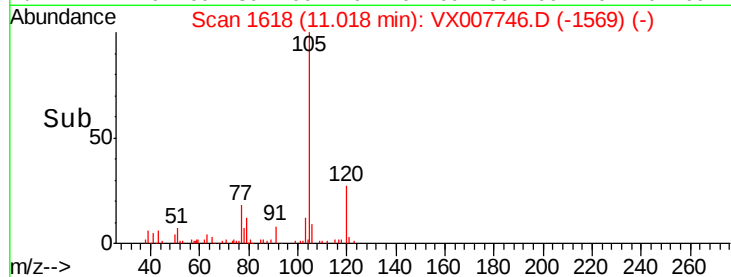
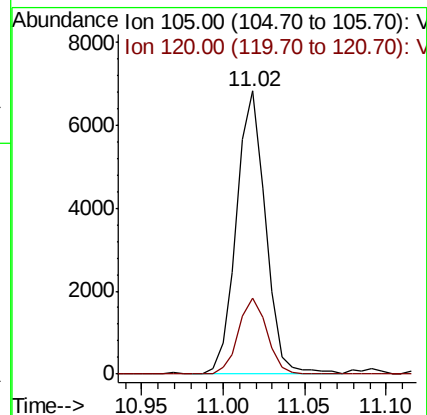
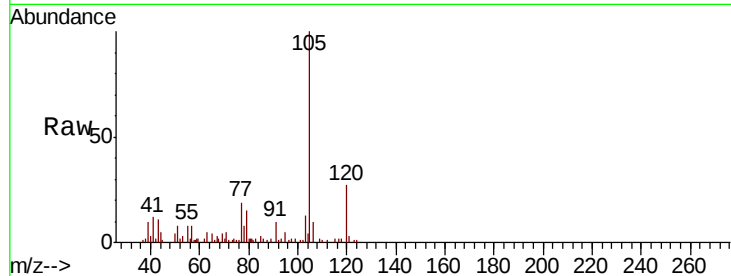
ClientSampleId :

Tot Ion:105 Resp: 8495

Ion Ratio Lower Upper

105 100

120 26.2 13.6 40.7



#74

N-ethyl acetate

Concen: 0.483 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Tgt Ion: 43 Resp: 3418

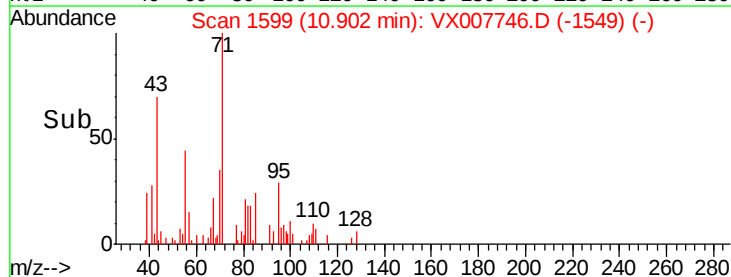
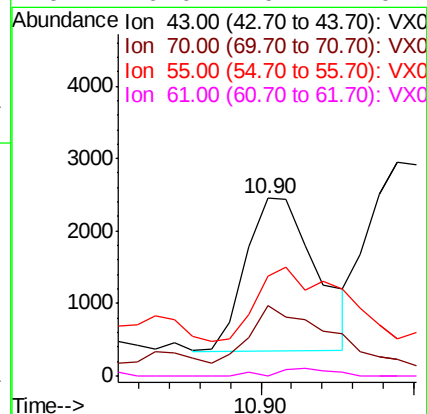
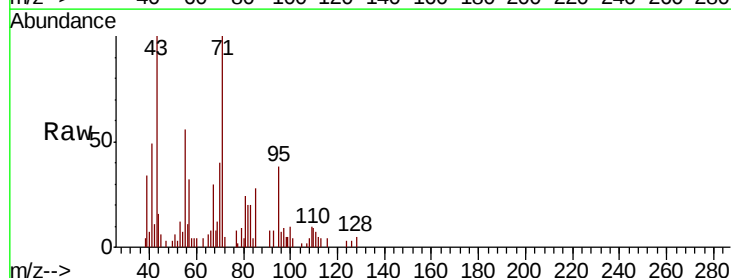
Ion Ratio Lower Upper

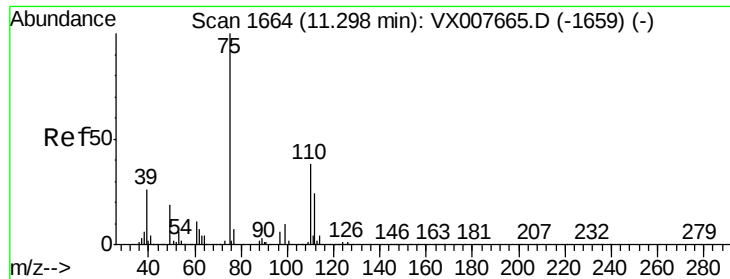
43 100

70 51.1 33.8 50.6#

55 98.5 19.5 29.3#

61 0.0 19.4 29.2#

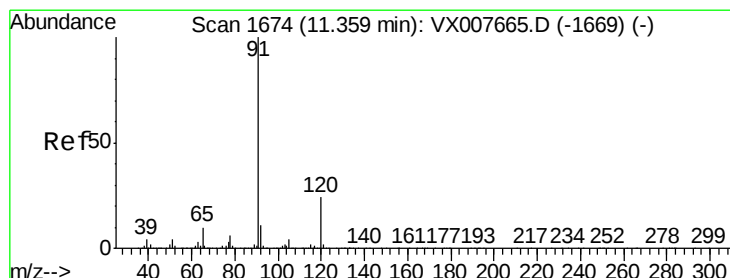
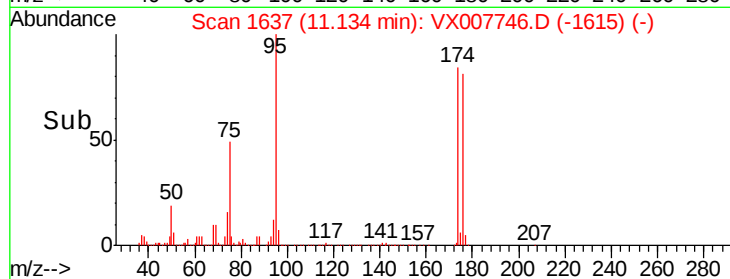
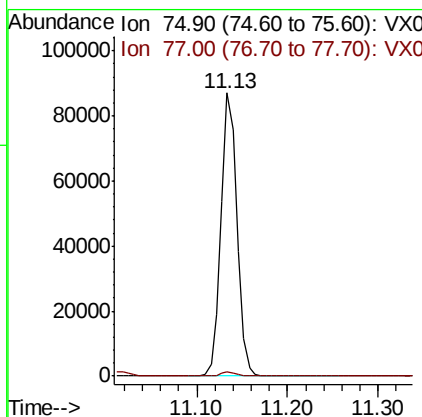
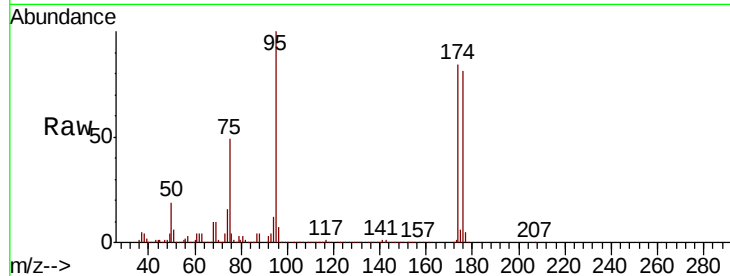




#76  
 1,2,3-Trichloropropane  
 Concen: 22.168 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. -0.16 min  
 Lab File: VX007746.D  
 Acq: 27 Feb 2019 20:44

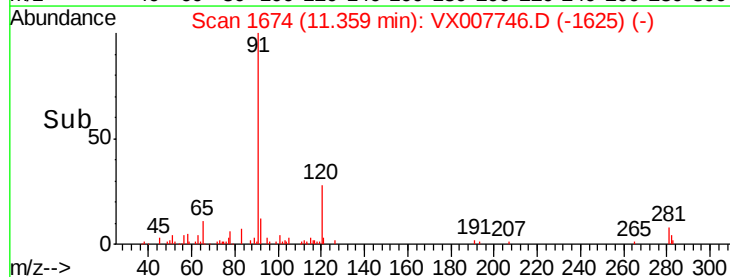
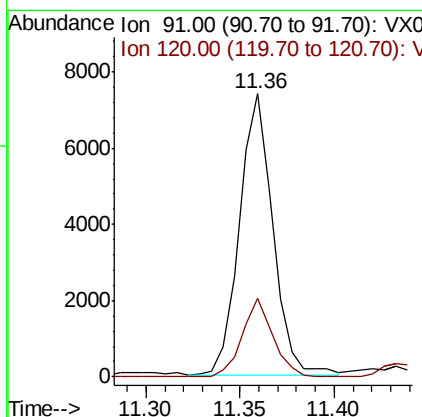
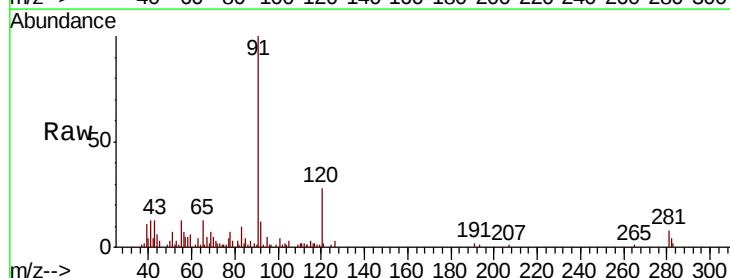
Instrument :  
 MSVOA\_X  
 ClientSampled :

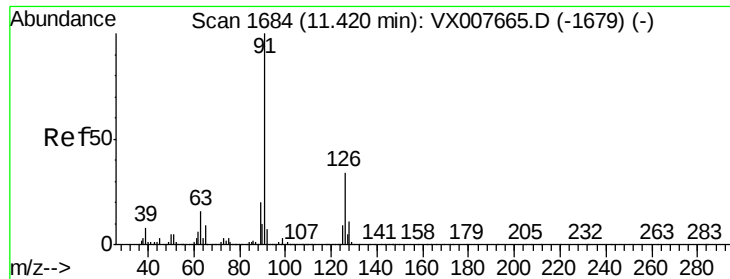
Tot Ion: 75 Resp: 107837  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 23.0 69.0#



#78  
 n-propylbenzene  
 Concen: 0.491 ug/l  
 RT: 11.36 min Scan# 1674  
 Delta R.T. -0.00 min  
 Lab File: VX007746.D  
 Acq: 27 Feb 2019 20:44

Tgt Ion: 91 Resp: 9051  
 Ion Ratio Lower Upper  
 91 100  
 120 25.6 12.4 37.2





#79

2-Chlorotoluene

Concen: 0.816 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Instrument :

MSVOA\_X

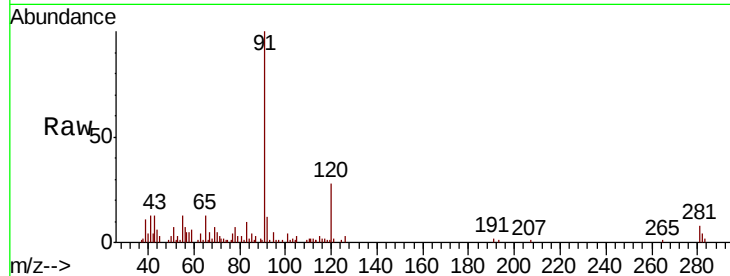
ClientSampleId :

Tot Ion: 91 Resp: 9051

Ion Ratio Lower Upper

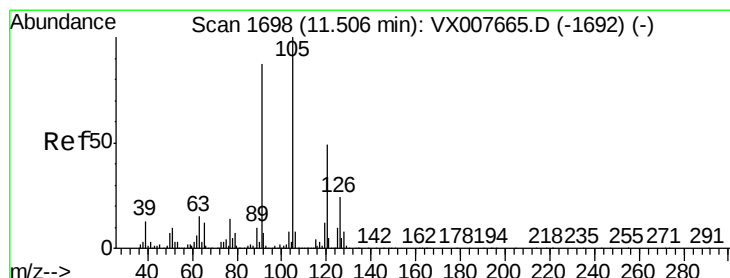
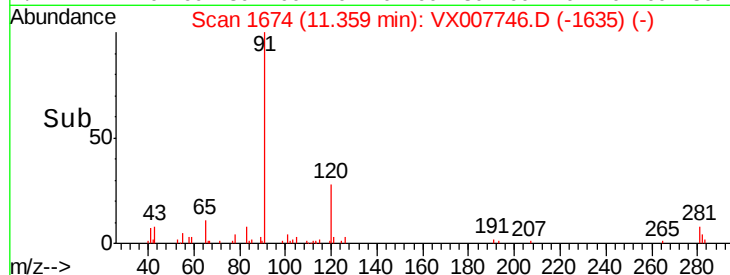
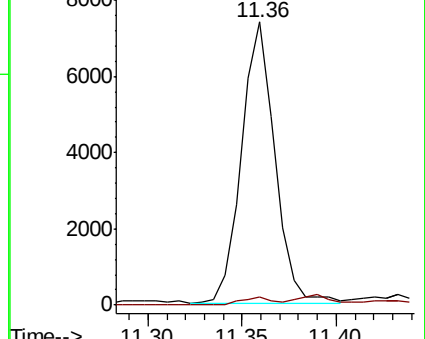
91 100

126 2.7 18.7 56.1#



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: 1.312 ug/l

RT: 11.66 min Scan# 1724

Delta R.T. 0.16 min

Lab File: VX007746.D

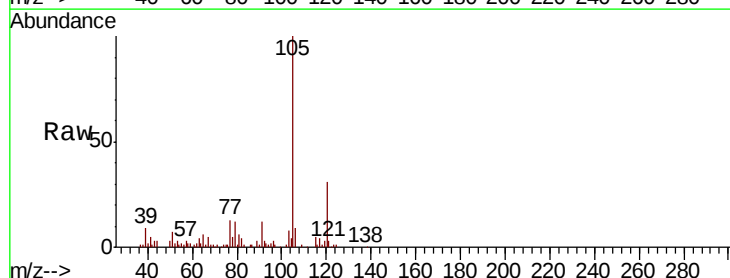
Acq: 27 Feb 2019 20:44

Tgt Ion:105 Resp: 17598

Ion Ratio Lower Upper

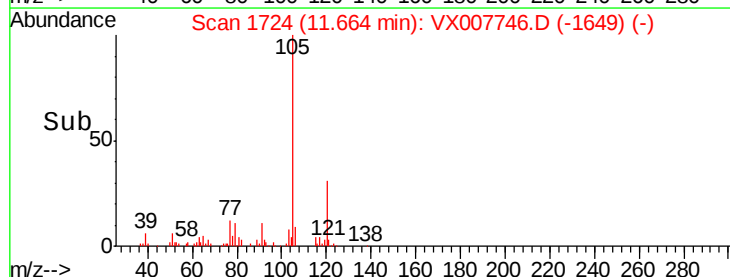
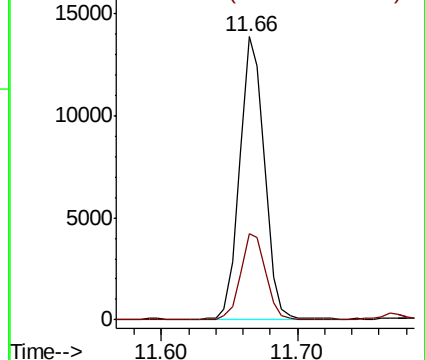
105 100

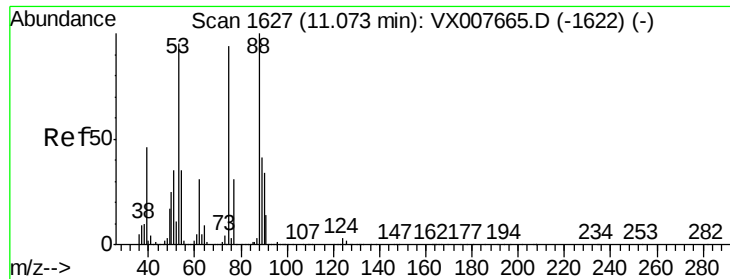
120 30.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

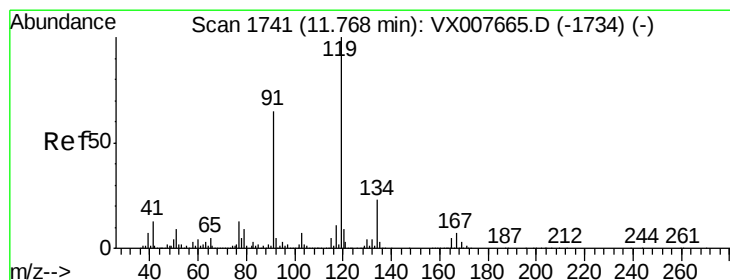
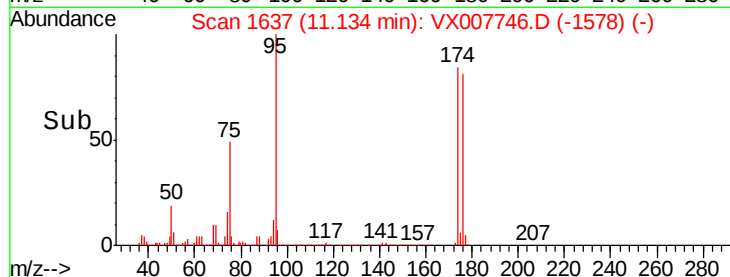
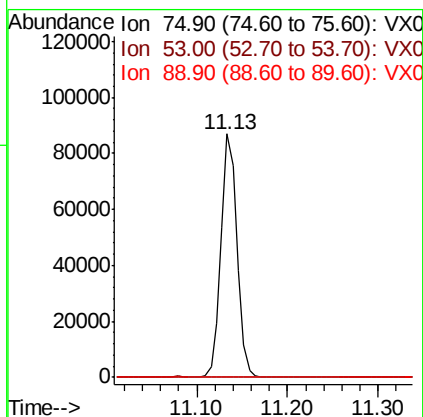
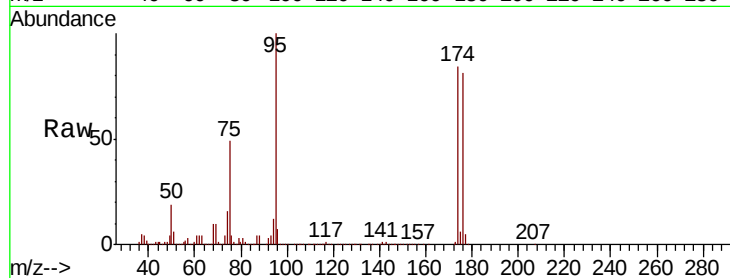




#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.837 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.06 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

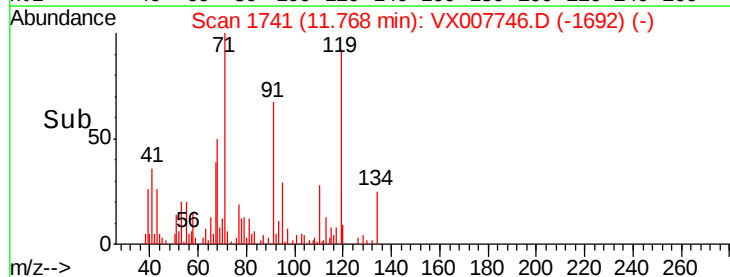
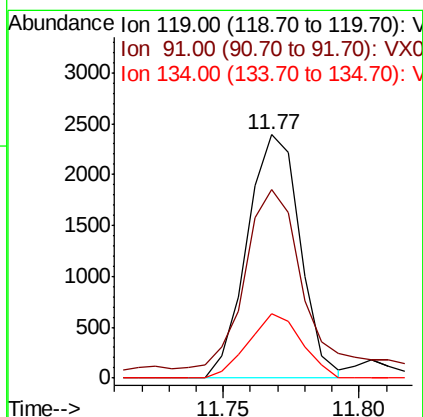
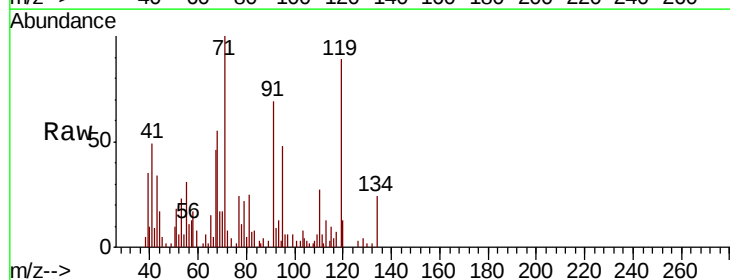
Instrument :  
MSVOA\_X  
ClientSampleId :

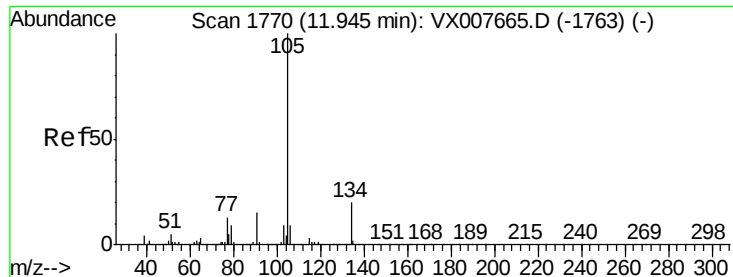
Tot Ion: 75 Resp: 107837  
Ion Ratio Lower Upper  
75 100  
53 0.3 81.0 121.6#  
89 0.0 41.4 62.0#



#83  
tert-Butylbenzene  
Concen: 0.250 ug/l  
RT: 11.77 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

Tgt Ion: 119 Resp: 3220  
Ion Ratio Lower Upper  
119 100  
91 81.8 28.5 85.6  
134 26.8 12.0 36.0





#85

sec-Butylbenzene

Concen: 0.940 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Instrument :

MSVOA\_X

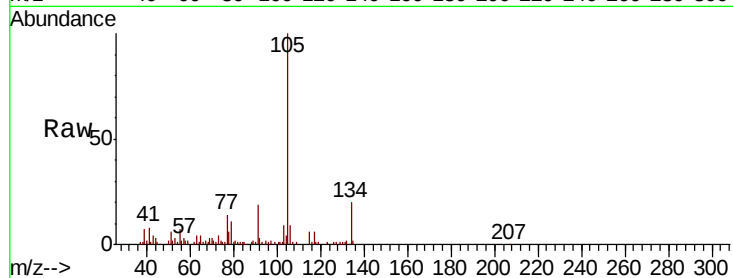
ClientSampleId :

Tot Ion:105 Resp: 15166

Ion Ratio Lower Upper

105 100

134 32.6 10.6 31.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

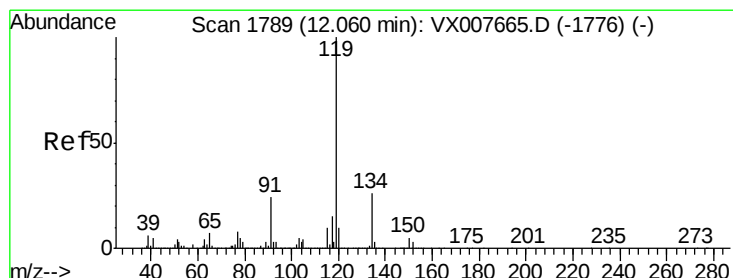
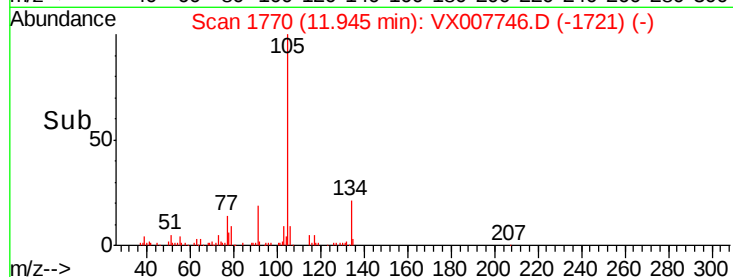
11.94

10000

5000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 0.956 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

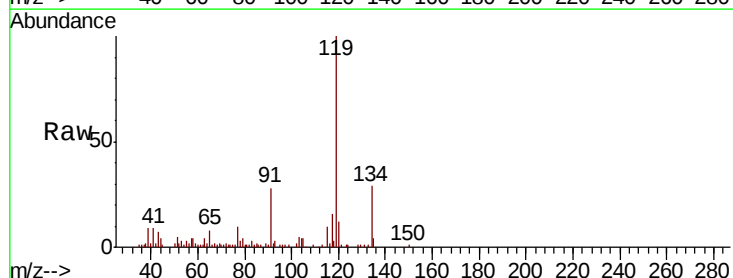
Tgt Ion:119 Resp: 13511

Ion Ratio Lower Upper

119 100

134 28.5 13.7 41.1

91 0.0 11.2 33.5#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

200000

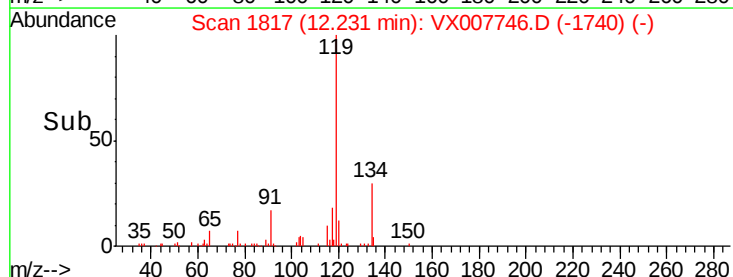
150000

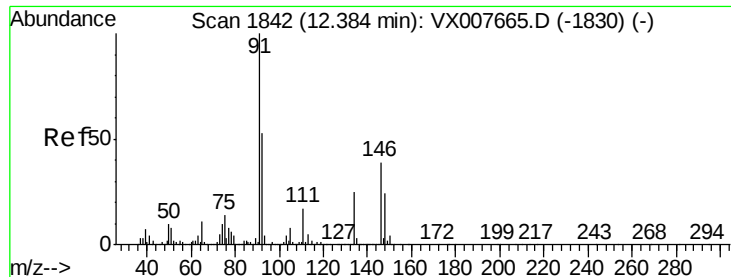
100000

50000

0

Time--> 12.20 12.25





#89

n-Butylbenzene

Concen: 1.008 ug/l

RT: 12.37 min Scan# 1839

Delta R.T. -0.02 min

Lab File: VX007746.D

Acq: 27 Feb 2019 20:44

Instrument :

MSVOA\_X

ClientSampleId :

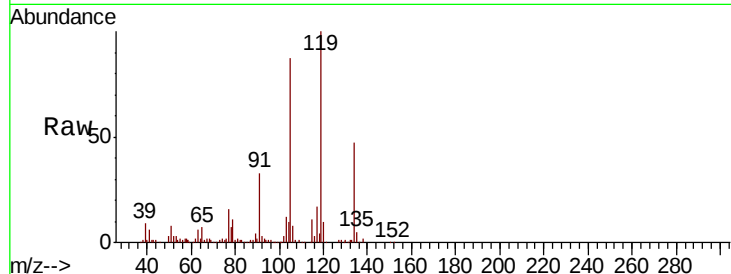
Tot Ion: 91 Resp: 12712

Ion Ratio Lower Upper

91 100

92 14.8 26.3 78.9#

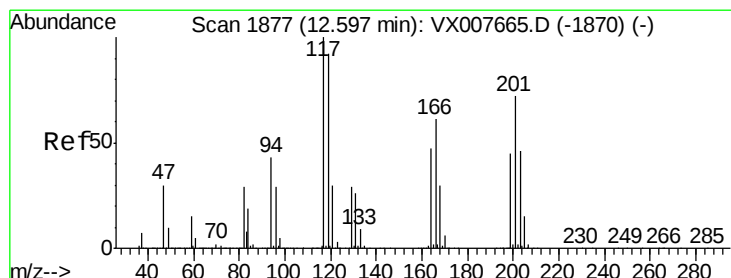
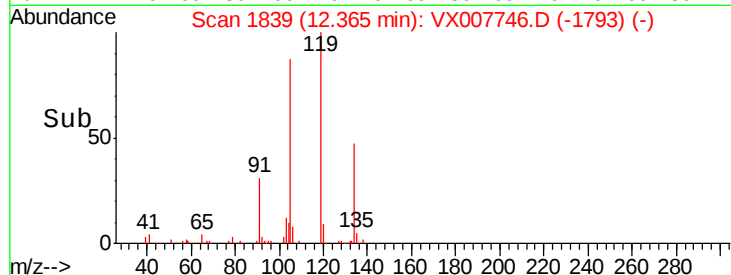
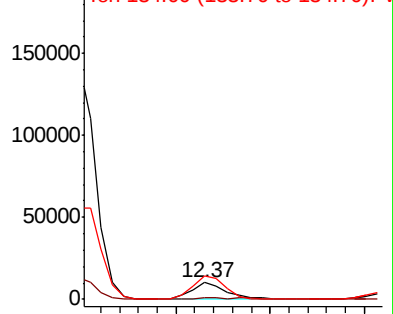
134 137.2 13.9 41.6#



Abundance Ion 91.00 (90.70 to 91.70): VX007746.D (-1830) (-)

Ion 92.00 (91.70 to 92.70): VX007746.D (-1830) (-)

Ion 134.00 (133.70 to 134.70): VX007746.D (-1830) (-)



#90

Hexachloroethane

Concen: 28.285 ug/l

RT: 12.70 min Scan# 1894

Delta R.T. 0.10 min

Lab File: VX007746.D

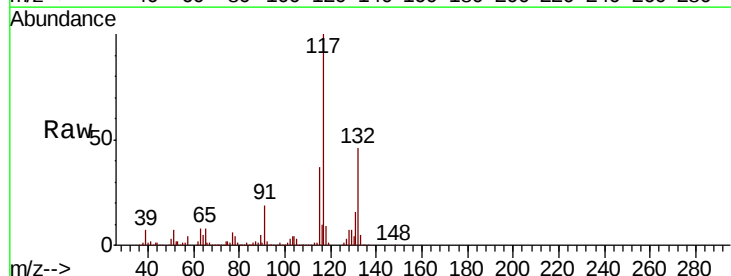
Acq: 27 Feb 2019 20:44

Tgt Ion: 117 Resp: 67375

Ion Ratio Lower Upper

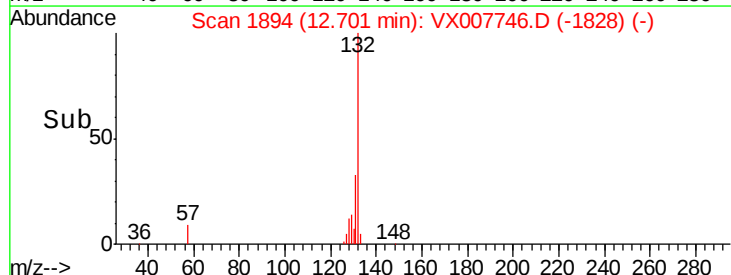
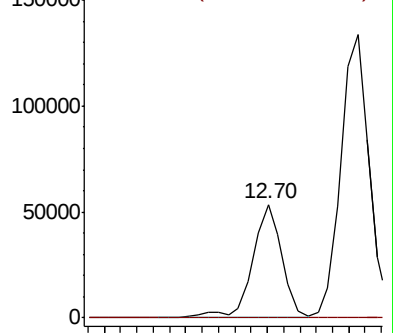
117 100

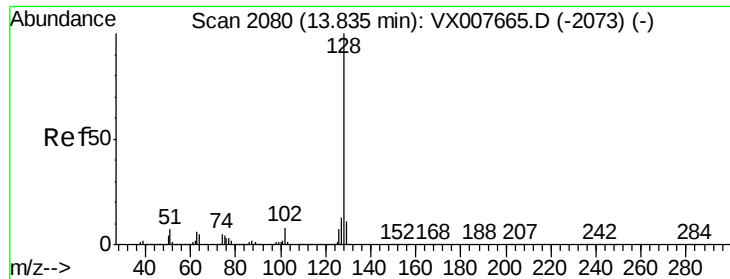
201 0.0 44.9 134.7#



Abundance Ion 116.80 (116.50 to 117.50): VX007746.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX007746.D (-1828) (-)





#95  
Naphthalene  
Concen: 0.289 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. -0.00 min  
Lab File: VX007746.D  
Acq: 27 Feb 2019 20:44

Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 15.9  | 10.5  | 15.7# |
| 129     | 17.7  | 8.7   | 13.1# |

