

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\  
 Data File : VX010486.D  
 Acq On : 27 Jun 2019 14:09  
 Operator : JC/SP  
 Sample : K3565-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0570

Quant Time: Jun 28 06:47:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 248652   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 387626   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 353202   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 176342   | 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   | 117821   | 50.54 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.08% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 116085   | 48.95 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.90%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 460736   | 50.78 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.56% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 159726   | 48.76 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.52%  |          |

| Target Compounds           | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|----------------------------|-------|------|----------|---------|--------|--------|
| 3) Chloromethane           | 1.33  | 50   | 573      | 0.285   | ug/l # | 82     |
| 6) Chloroethane            | 1.68  | 64   | 994      | 0.764   | ug/l # | 41     |
| 8) Diethyl Ether           | 2.18  | 74   | 255      | 0.203   | ug/l   | 83     |
| 11) Tert butyl alcohol     | 3.03  | 59   | 1926     | 3.157   | ug/l # | 74     |
| 13) Acrolein               | 2.40  | 56   | 18244    | 45.082  | ug/l # | 75     |
| 14) Allyl chloride         | 2.84  | 41   | 43442    | 14.197  | ug/l # | 60     |
| 15) Acrylonitrile          | 3.17  | 53   | 12333    | 10.211  | ug/l # | 38     |
| 16) Acetone                | 2.39  | 43   | 46693    | 39.963  | ug/l # | 47     |
| 18) Methyl Acetate         | 2.85  | 43   | 99703    | 42.815  | ug/l # | 48     |
| 20) Methylene Chloride     | 2.85  | 84   | 686      | 0.285   | ug/l # | 1      |
| 25) 2-Butanone             | 4.55  | 43   | 3180     | 1.855   | ug/l # | 46     |
| 26) 2,2-Dichloropropane    | 4.42  | 77   | 4904     | 1.527   | ug/l # | 49     |
| 31) Cyclohexane            | 5.58  | 56   | 289923   | 86.094  | ug/l   | 97     |
| 36) 1,1-Dichloropropene    | 5.67  | 75   | 15970    | 5.185   | ug/l # | 47     |
| 38) Carbon Tetrachloride   | 5.66  | 117  | 22702    | 6.806   | ug/l # | 15     |
| 39) Methylcyclohexane      | 7.46  | 83   | 240427   | 59.380  | ug/l   | 99     |
| 40) Benzene                | 6.15  | 78   | 1833133  | 191.020 | ug/l   | 100    |
| 42) 1,2-Dichloroethane     | 6.14  | 62   | 14925    | 5.109   | ug/l # | 71     |
| 43) Isopropyl Acetate      | 6.45  | 43   | 3905     | 0.745   | ug/l # | 61     |
| 48) Methyl methacrylate    | 7.73  | 41   | 10761    | 4.416   | ug/l # | 50     |
| 49) 1,4-Dioxane            | 7.71  | 88   | 44       | 0.627   | ug/l # | 85     |
| 52) Toluene                | 8.79  | 92   | 10235    | 1.620   | ug/l   | 98     |
| 55) 1,1,2-Trichloroethane  | 9.16  | 97   | 8429     | 3.234   | ug/l # | 20     |
| 56) Ethyl methacrylate     | 9.16  | 69   | 2204     | 0.558   | ug/l # | 25     |
| 59) 2-Hexanone             | 9.51  | 43   | 857      | 0.325   | ug/l   | 66     |
| 67) Ethyl Benzene          | 10.25 | 91   | 2452479  | 202.589 | ug/l   | 99     |
| 68) m/p-Xylenes            | 10.36 | 106  | 2659941  | 567.073 | ug/l   | 99     |
| 69) o-Xylene               | 10.70 | 106  | 26271    | 5.695   | ug/l   | 98     |
| 70) Styrene                | 10.70 | 104  | 1629     | 0.211   | ug/l # | 1      |
| 73) Isopropylbenzene       | 11.02 | 105  | 230327   | 19.268  | ug/l   | 99     |
| 76) 1,2,3-Trichloropropane | 11.43 | 75   | 8155     | 2.538   | ug/l # | 1      |
| 78) n-propylbenzene        | 11.36 | 91   | 283451   | 21.575  | ug/l   | 99     |
| 79) 2-Chlorotoluene        | 11.43 | 91   | 120397   | 15.390  | ug/l # | 38     |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105  | 404577   | 41.055  | ug/l   | 100    |

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Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0570

Quant Time: Jun 28 06:47:05 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 2019  
Response via : Initial Calibration

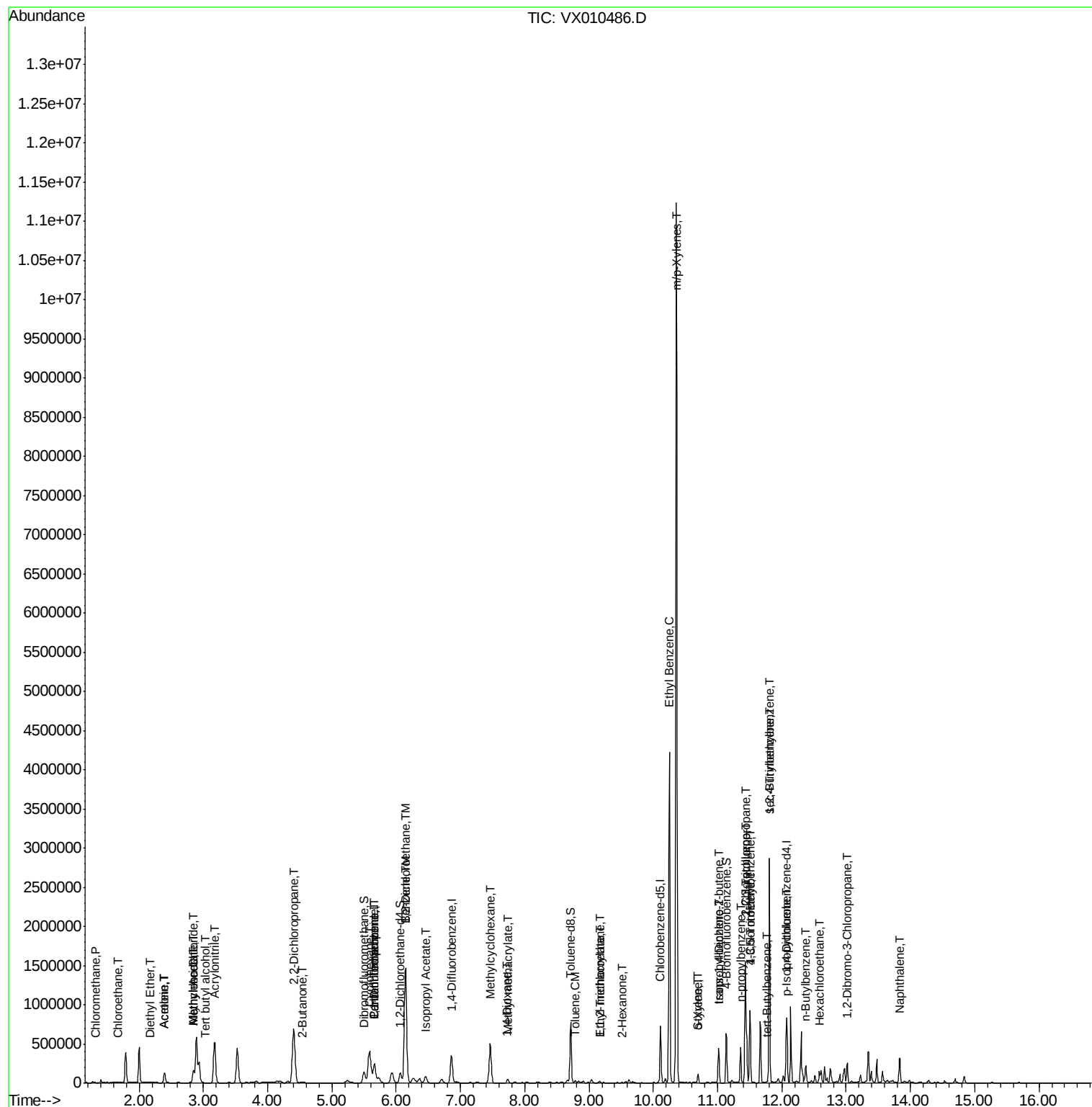
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 81) trans-1,4-Dichloro-2-buten | 11.02 | 75   | 2709     | 1.967   | ug/l # | 52       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 41316    | 4.641   | ug/l # | 42       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 6514     | 0.659   | ug/l   | 88       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 1232303  | 124.467 | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.80 | 105  | 1232303  | 106.113 | ug/l # | 55       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 62107    | 5.782   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 31537    | 3.455   | ug/l # | 25       |
| 90) Hexachloroethane           | 12.58 | 117  | 6853     | 3.690   | ug/l # | 5        |
| 92) 1,2-Dibromo-3-Chloropropan | 13.02 | 75   | 839      | 0.983   | ug/l # | 1        |
| 95) Naphthalene                | 13.83 | 128  | 209358   | 16.965  | ug/l   | 99       |

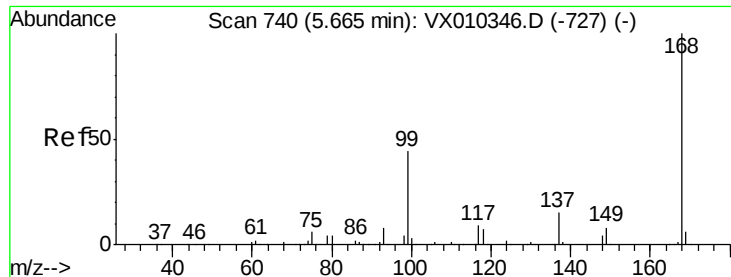
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062719\  
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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: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampled :

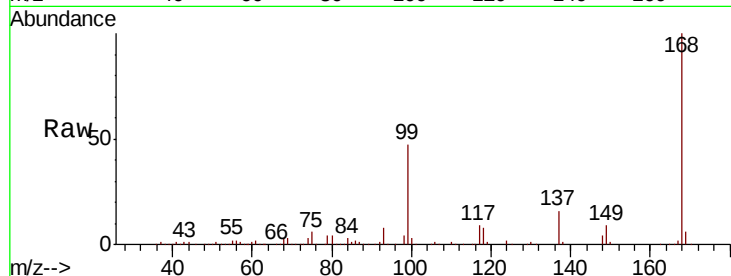
FL-0570

Tot Ion:168 Resp: 248652

Ion Ratio Lower Upper

168 100

99 47.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

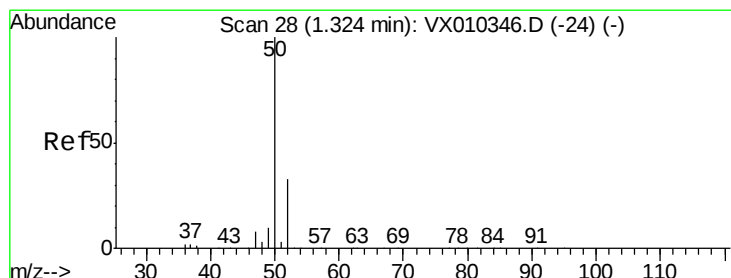
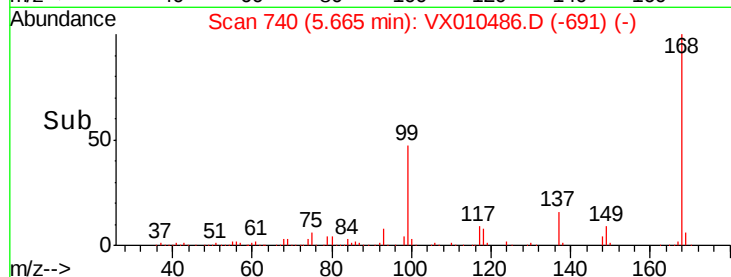
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.285 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010486.D

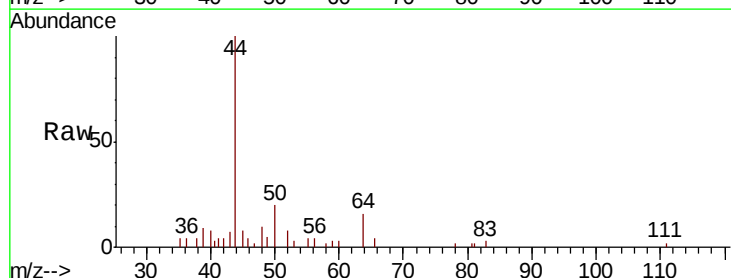
Acq: 27 Jun 2019 14:09

Tgt Ion: 50 Resp: 573

Ion Ratio Lower Upper

50 100

52 43.1 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

300

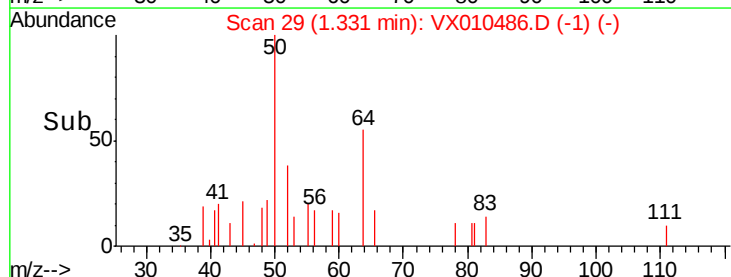
200

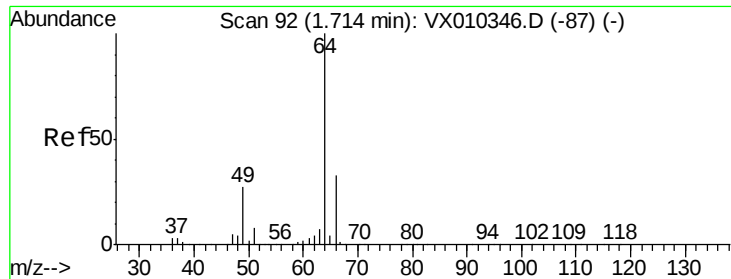
100

0

Time-->

1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: 0.764 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampled :

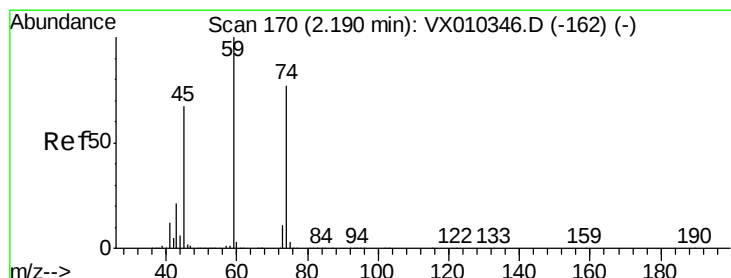
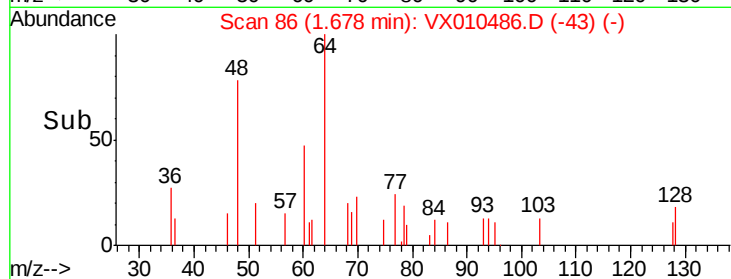
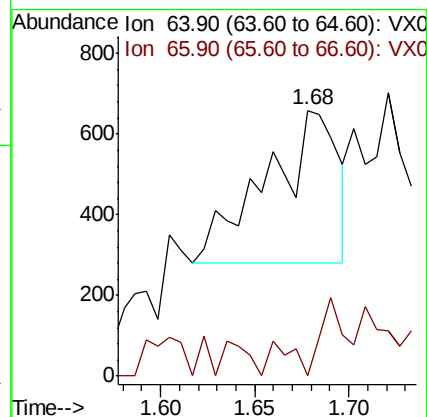
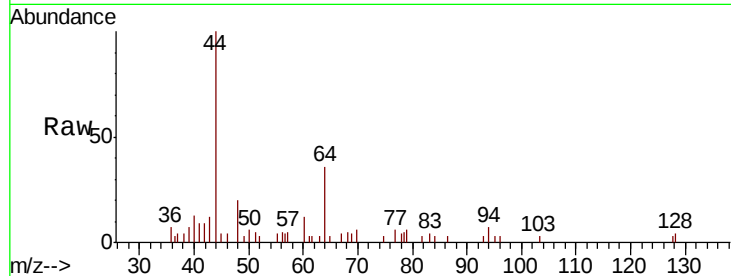
FL-0570

Tot Ion: 64 Resp: 994

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



#8

Diethyl Ether

Concen: 0.203 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX010486.D

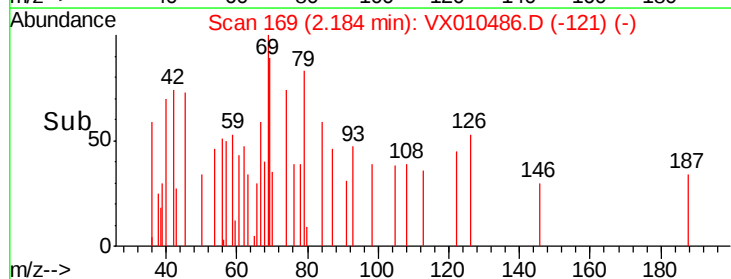
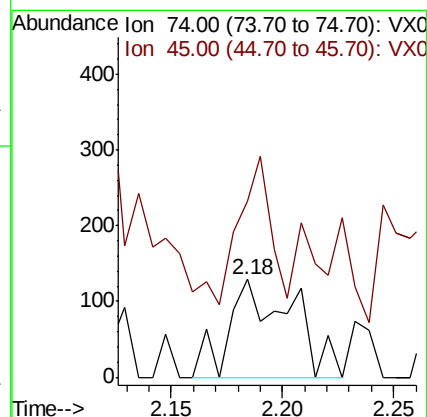
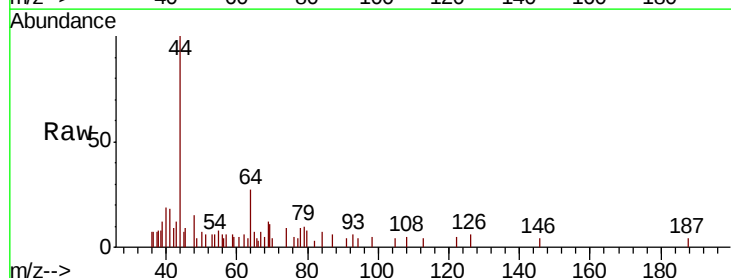
Acq: 27 Jun 2019 14:09

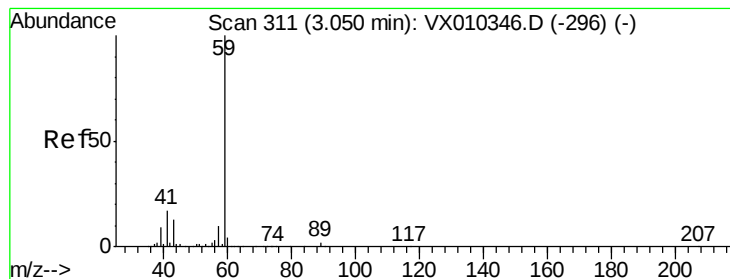
Tgt Ion: 74 Resp: 255

Ion Ratio Lower Upper

74 100

45 73.3 44.8 134.4



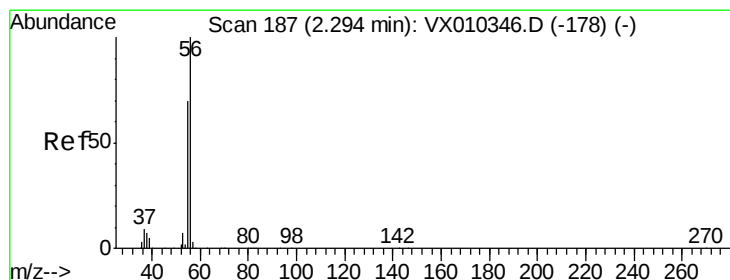
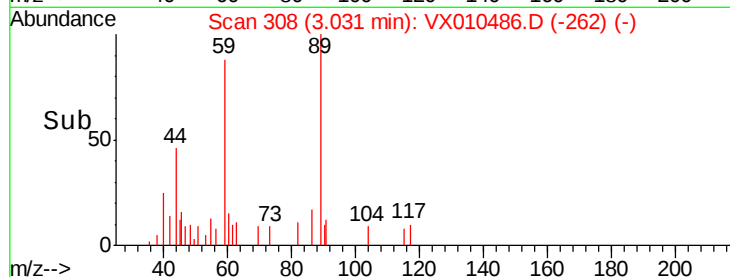
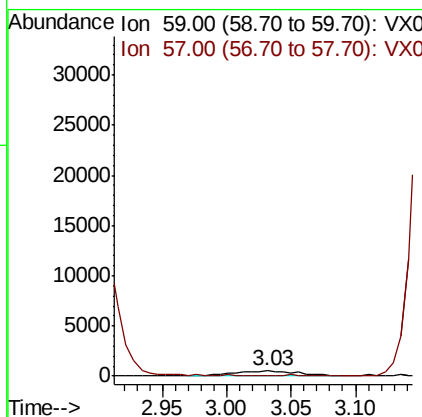
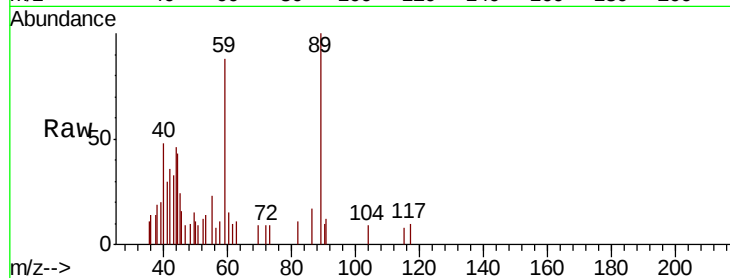


#11

Tert butyl alcohol  
 Concen: 3.157 ug/l  
 RT: 3.03 min Scan# 308  
 Delta R.T. -0.02 min  
 Lab File: VX010486.D  
 Acq: 27 Jun 2019 14:09

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FL-0570

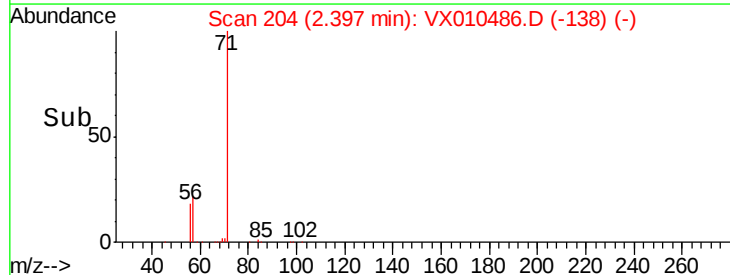
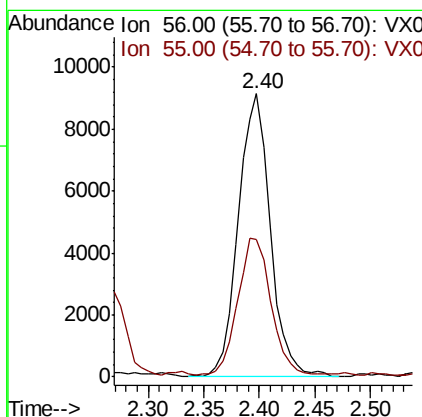
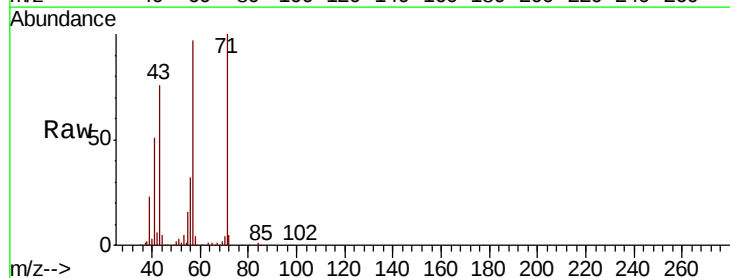
Tot Ion: 59 Resp: 1926  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.7 11.5#

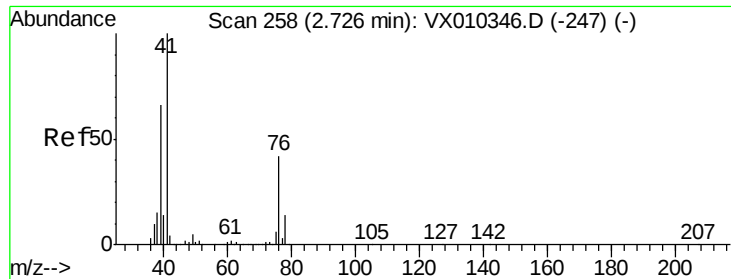


#13

Acrolein  
 Concen: 45.082 ug/l  
 RT: 2.40 min Scan# 204  
 Delta R.T. 0.10 min  
 Lab File: VX010486.D  
 Acq: 27 Jun 2019 14:09

Tgt Ion: 56 Resp: 18244  
 Ion Ratio Lower Upper  
 56 100  
 55 50.3 56.9 85.3#





#14

Allvl chloride

Concen: 14.197 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampleId :

FL-0570

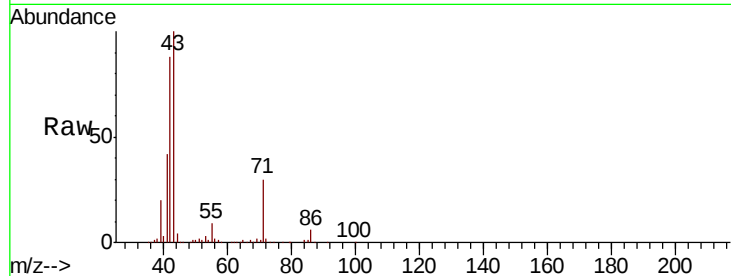
Tot Ion: 41 Resp: 43442

Ion Ratio Lower Upper

41 100

39 43.4 50.3 75.5#

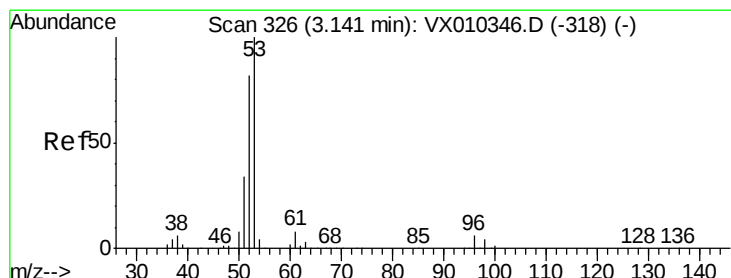
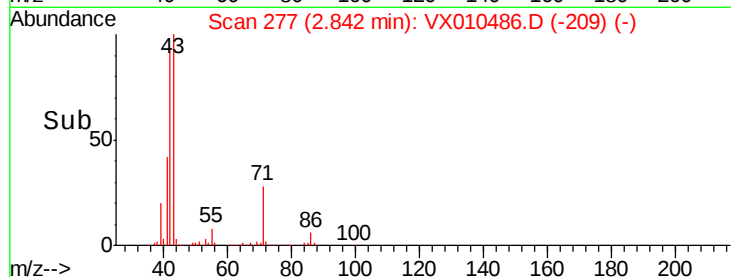
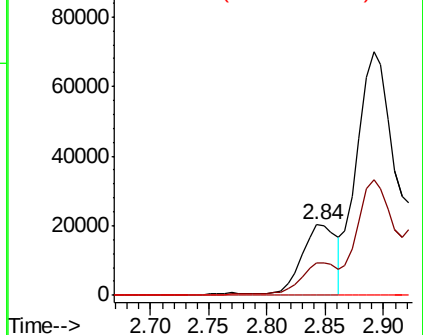
76 0.1 31.3 46.9#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 10.211 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

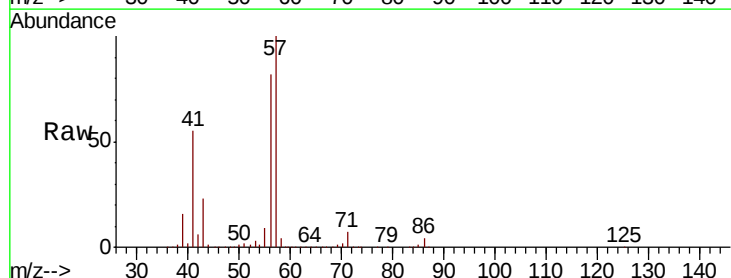
Tgt Ion: 53 Resp: 12333

Ion Ratio Lower Upper

53 100

52 22.8 65.5 98.3#

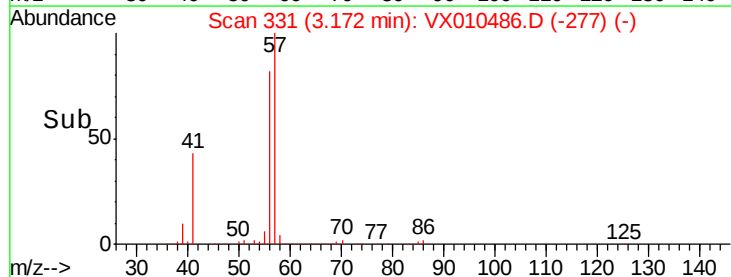
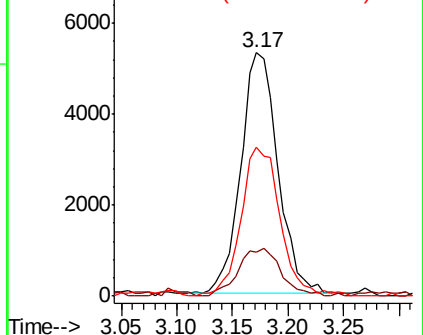
51 65.2 28.2 42.4#

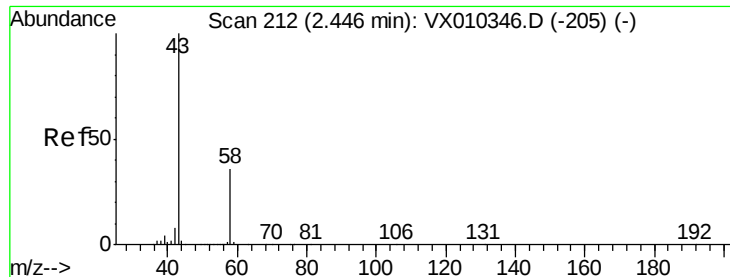


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 39.963 ug/l

RT: 2.39 min Scan# 203

Delta R.T. -0.05 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampled :

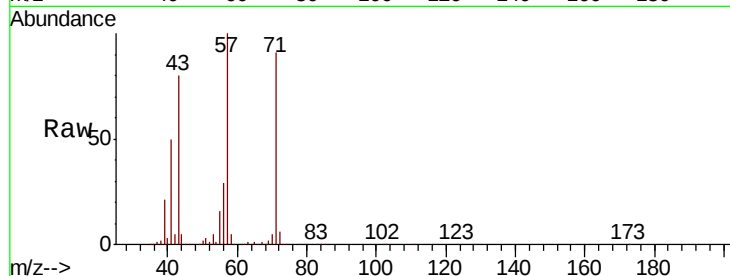
FL-0570

Tot Ion: 43 Resp: 46693

Ion Ratio Lower Upper

43 100

58 5.2 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.39

25000

20000

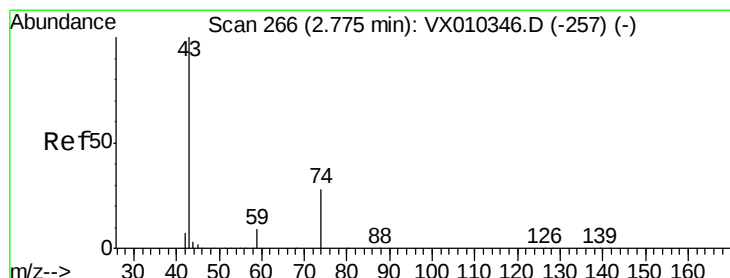
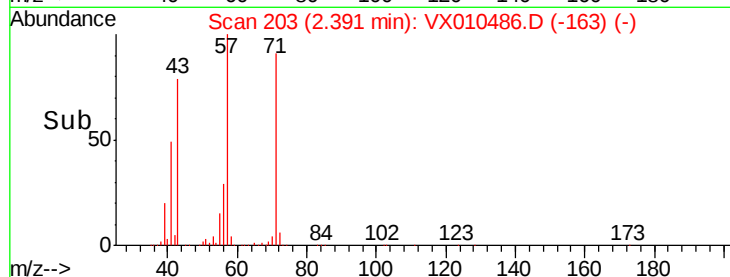
15000

10000

5000

0

Time--> 2.30 2.35 2.40 2.45



#18

Methyl Acetate

Concen: 42.815 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.07 min

Lab File: VX010486.D

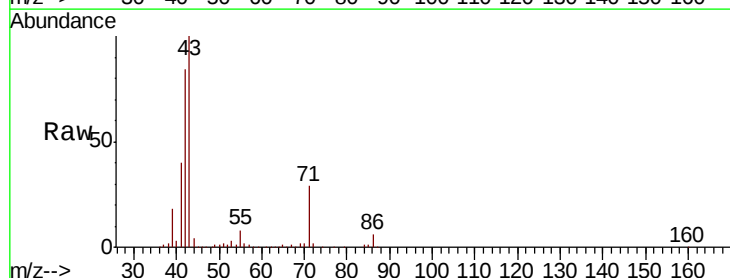
Acq: 27 Jun 2019 14:09

Tgt Ion: 43 Resp: 99703

Ion Ratio Lower Upper

43 100

74 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

200000

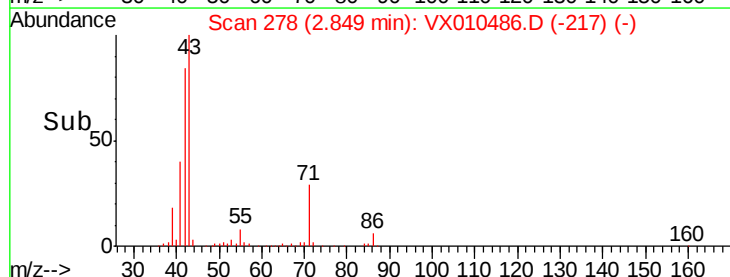
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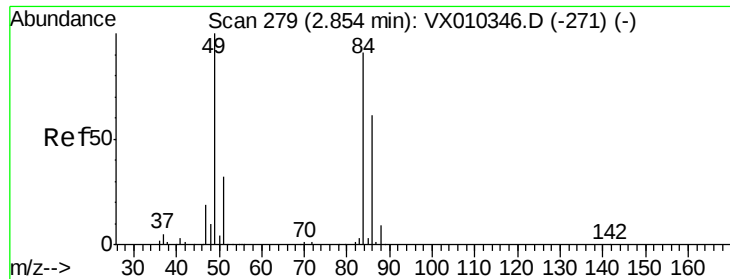
100000

50000

0

Time--> 2.80 2.85

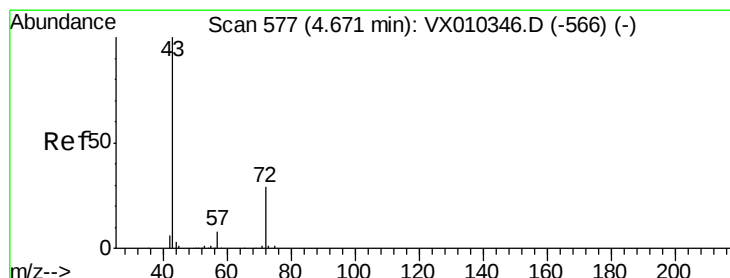
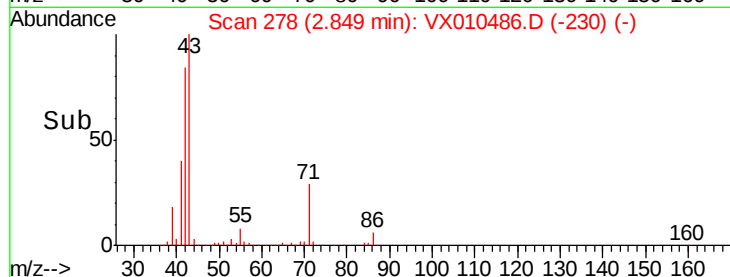
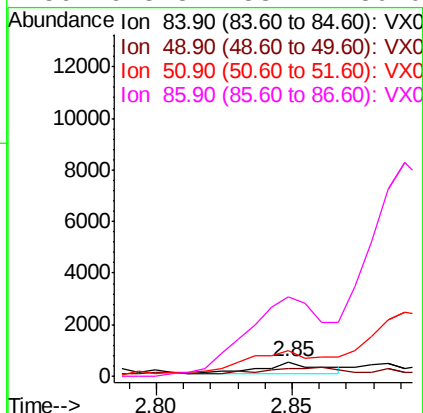
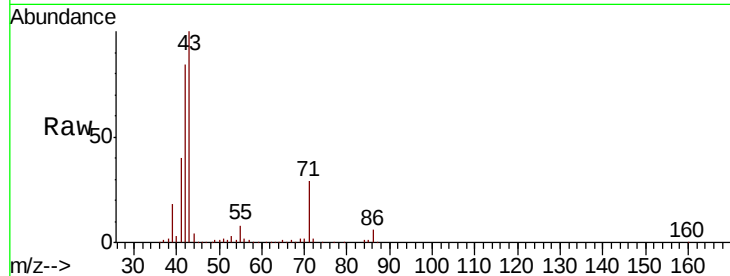




#20  
Methvlene Chloride  
Concen: 0.285 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. -0.01 min  
Lab File: VX010486.D  
Acq: 27 Jun 2019 14:09

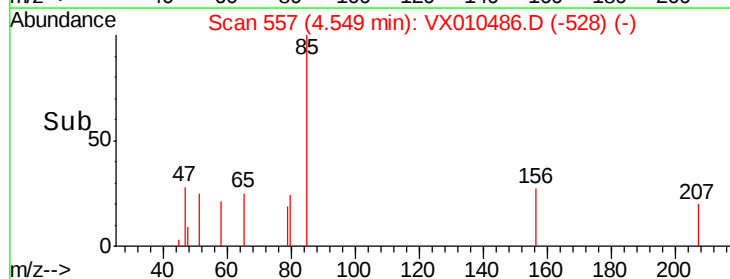
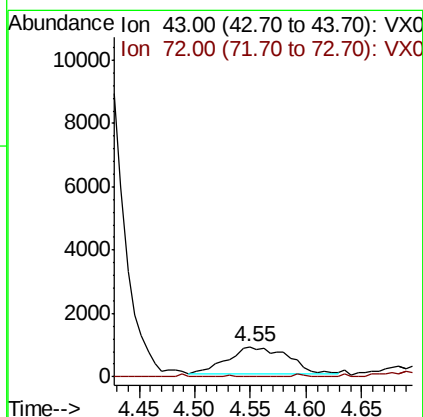
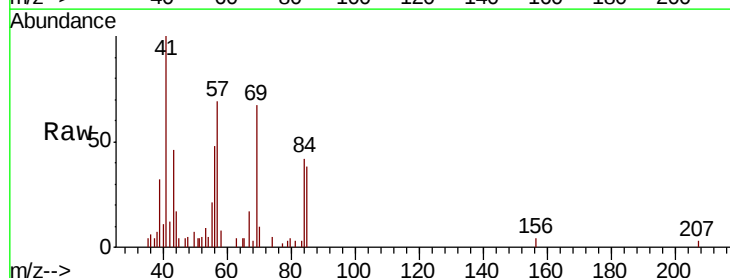
Instrument :  
MSVOA\_X  
ClientSampled :  
FL-0570

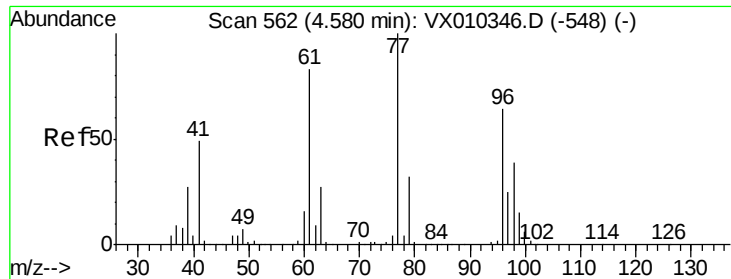
Tot Ion: 84 Resp: 686  
Ion Ratio Lower Upper  
84 100  
49 43.4 87.5 131.3#  
51 180.3 27.7 41.5#  
86 623.3 53.4 80.0#



#25  
2-Butanone  
Concen: 1.855 ug/l  
RT: 4.55 min Scan# 557  
Delta R.T. -0.12 min  
Lab File: VX010486.D  
Acq: 27 Jun 2019 14:09

Tgt Ion: 43 Resp: 3180  
Ion Ratio Lower Upper  
43 100  
72 0.0 23.3 34.9#





#26

2,2-Dichloropropane

Concen: 1.527 ug/l

RT: 4.42 min Scan# 535

Delta R.T. -0.16 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampleId :

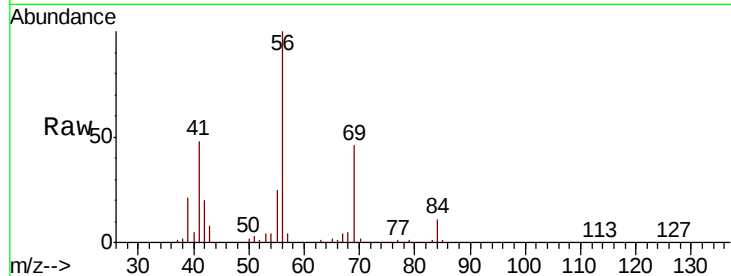
FL-0570

Tot Ion: 77 Resp: 4904

Ion Ratio Lower Upper

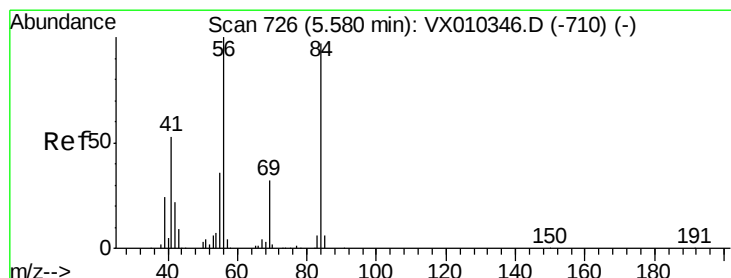
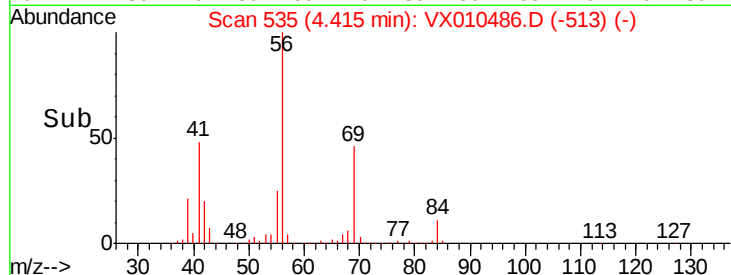
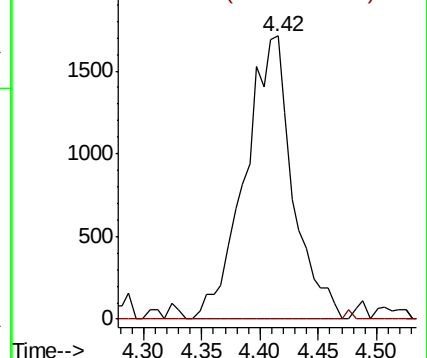
77 100

97 0.0 13.1 39.3#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#31

Cyclohexane

Concen: 86.094 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

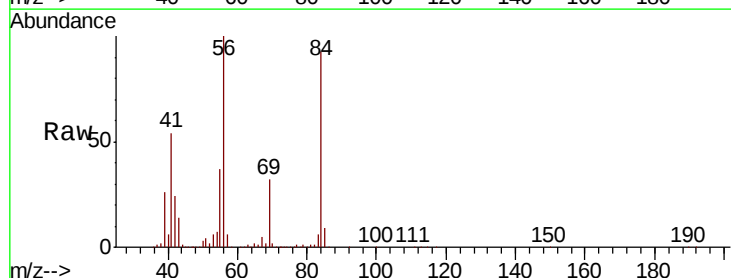
Tgt Ion: 56 Resp: 289923

Ion Ratio Lower Upper

56 100

69 31.1 25.9 38.9

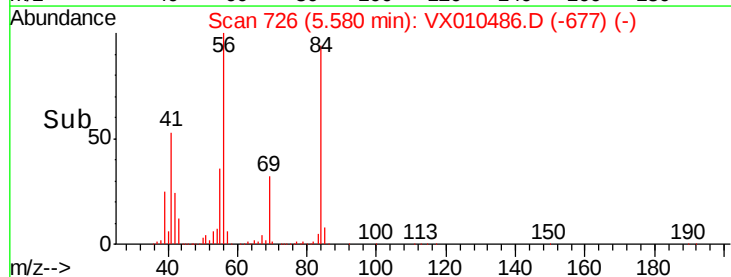
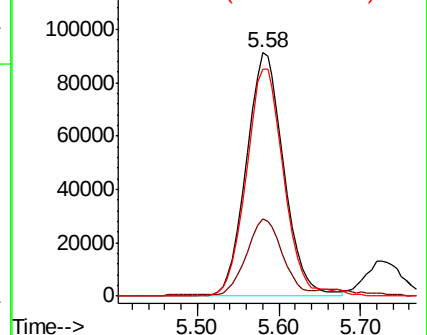
84 93.6 78.0 117.0

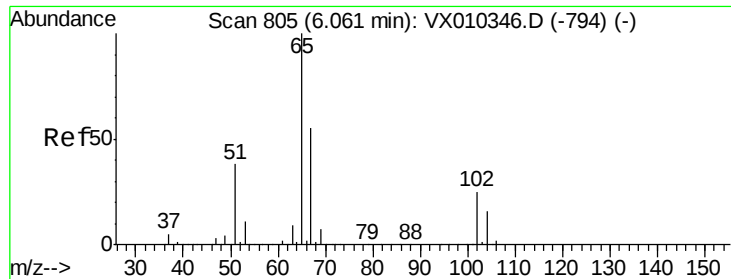


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.537 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampled :

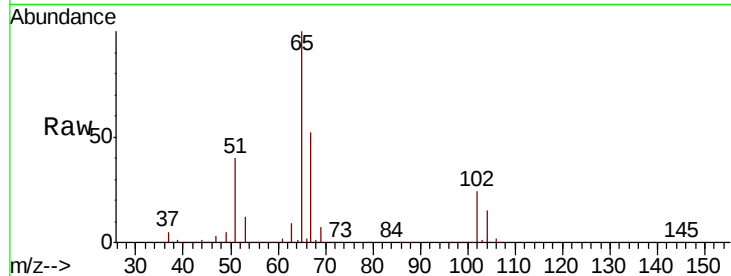
FL-0570

Tot Ion: 65 Resp: 117821

Ion Ratio Lower Upper

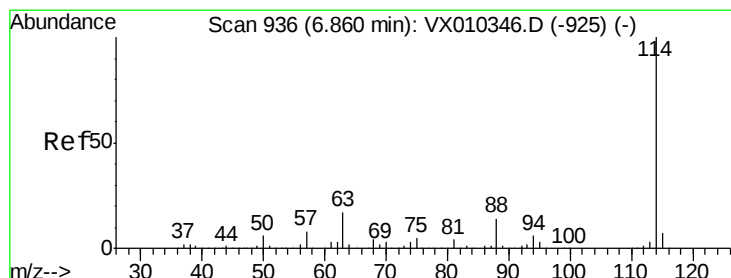
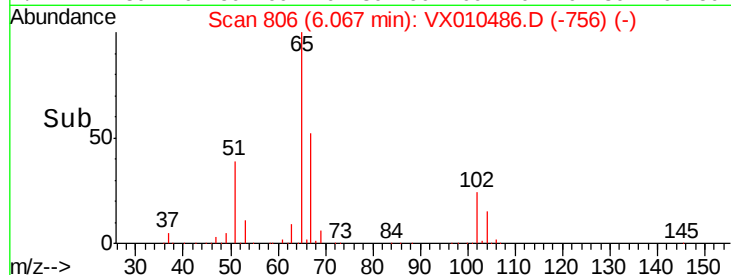
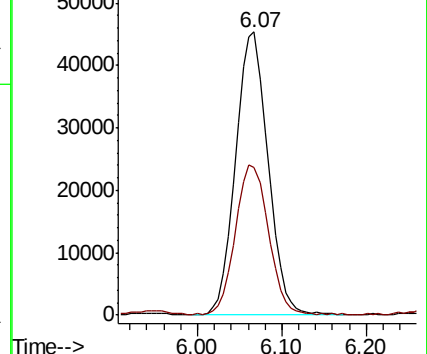
65 100

67 54.2 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

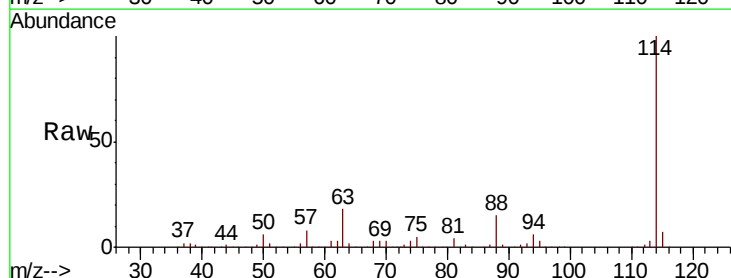
Tgt Ion: 114 Resp: 387626

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

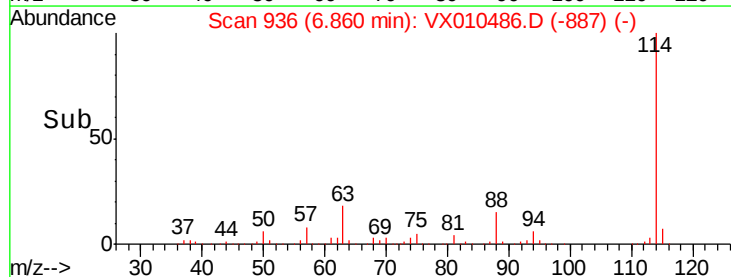
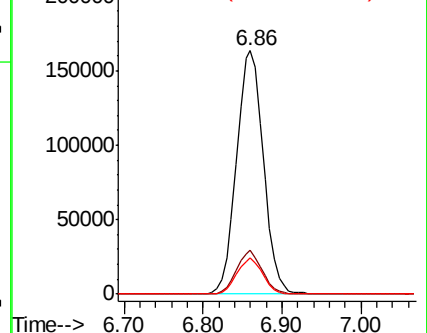
88 14.7 0.0 27.6

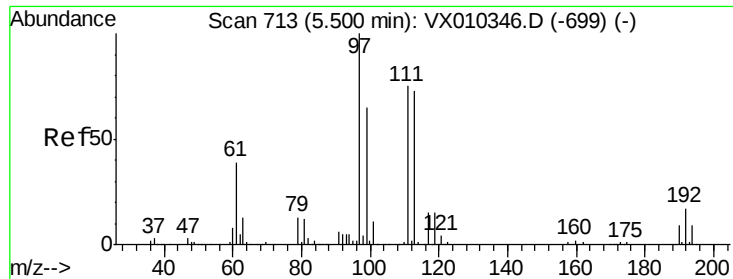


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

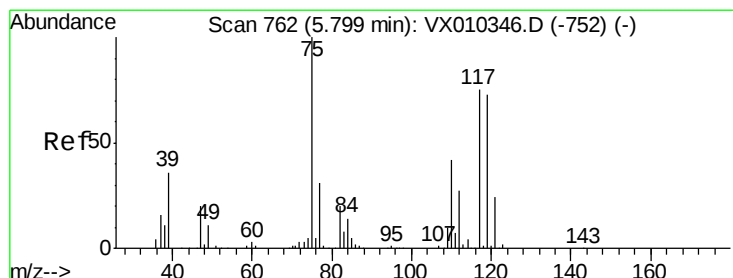
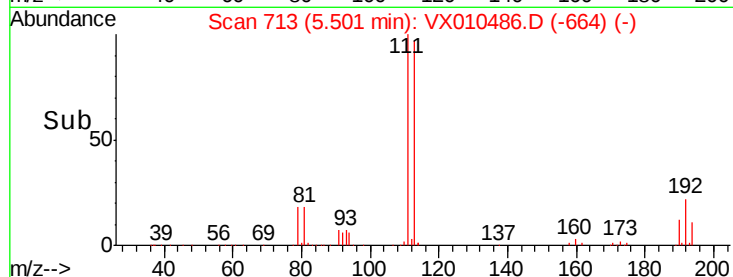
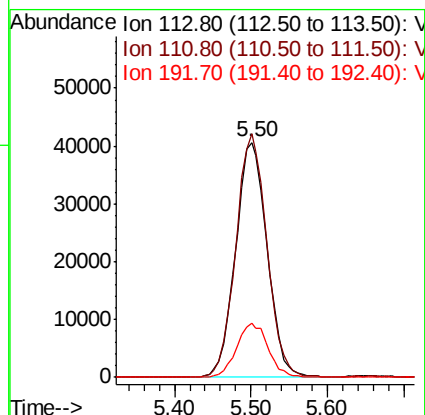
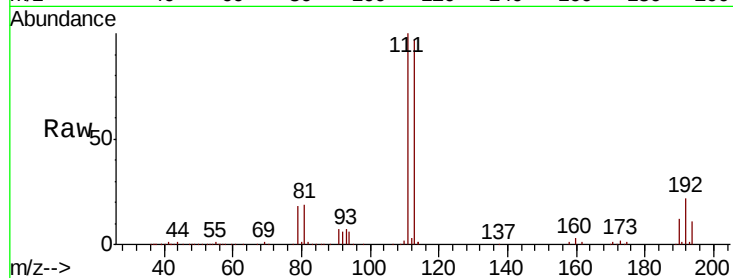




#35  
 Dibromofluoromethane  
 Concen: 48.947 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX010486.D  
 Acq: 27 Jun 2019 14:09

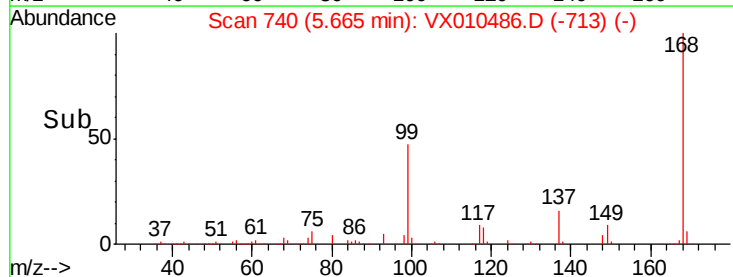
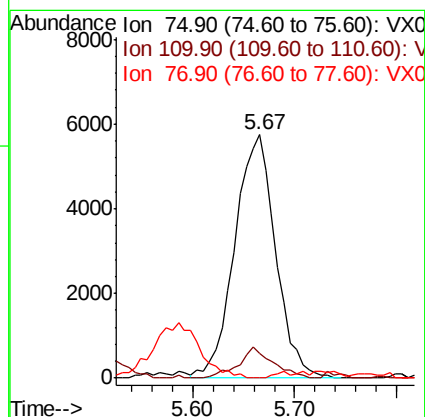
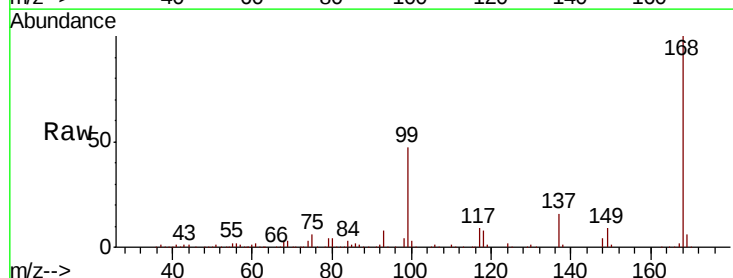
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FL-0570

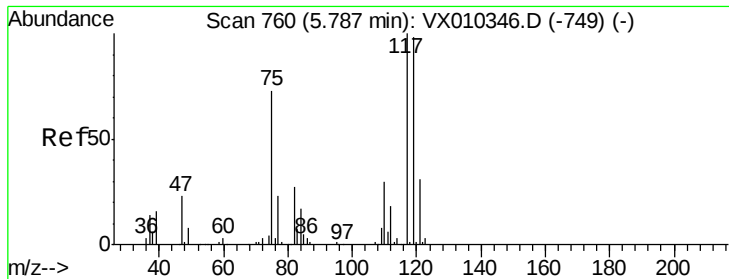
Tot Ion:113 Resp: 116085  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 81.2 121.8  
 192 23.1 18.6 27.8



#36  
 1,1-Dichloropropene  
 Concen: 5.185 ug/l  
 RT: 5.67 min Scan# 740  
 Delta R.T. -0.13 min  
 Lab File: VX010486.D  
 Acq: 27 Jun 2019 14:09

Tgt Ion: 75 Resp: 15970  
 Ion Ratio Lower Upper  
 75 100  
 110 10.6 20.8 62.2#  
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.806 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampleId :

FL-0570

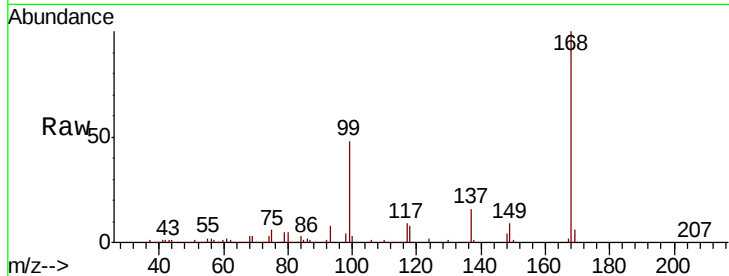
Tot Ion:117 Resp: 22702

Ion Ratio Lower Upper

117 100

119 5.5 78.2 117.4#

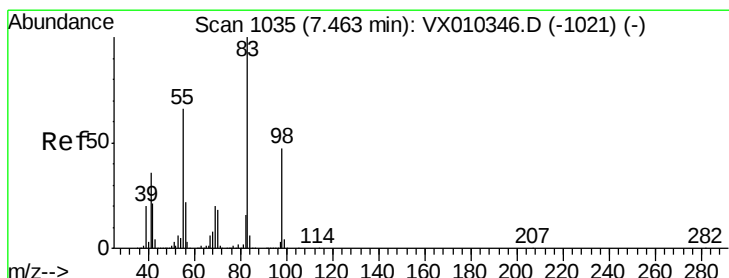
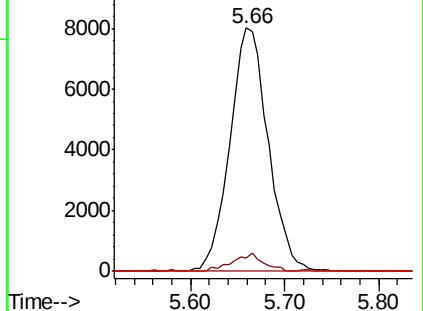
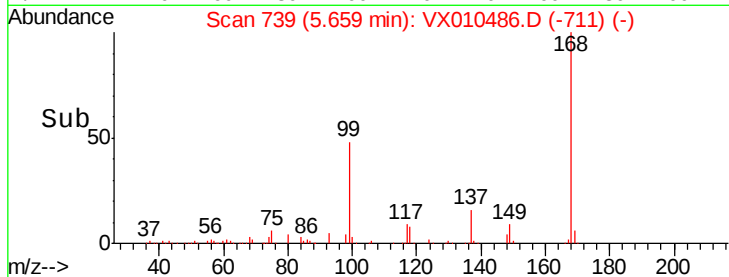
121 0.0 24.7 37.1#



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: 59.380 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

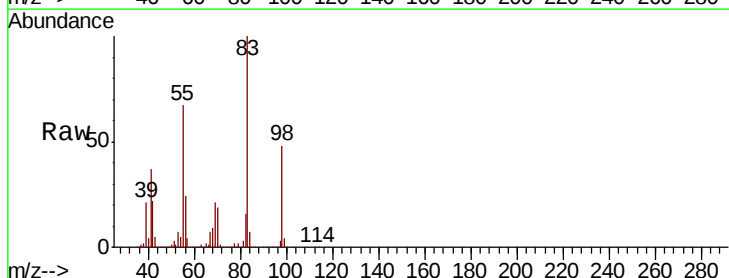
Tgt Ion: 83 Resp: 240427

Ion Ratio Lower Upper

83 100

55 67.0 53.0 79.6

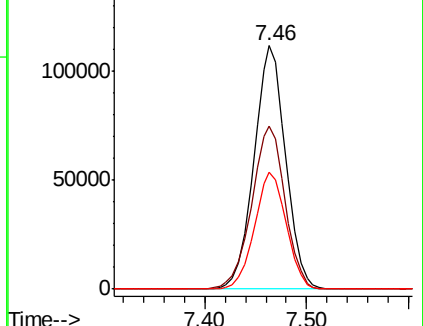
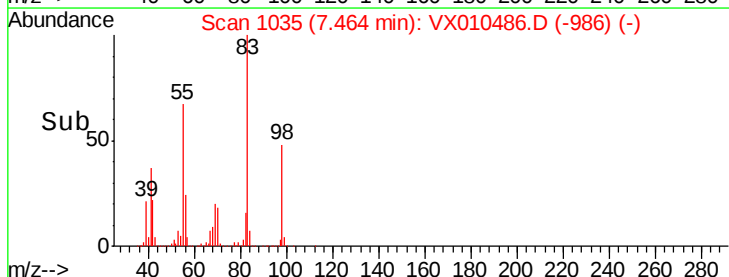
98 48.3 37.8 56.8

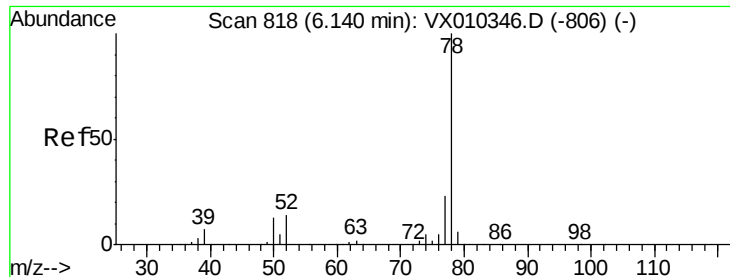


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 191.020 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampleId :

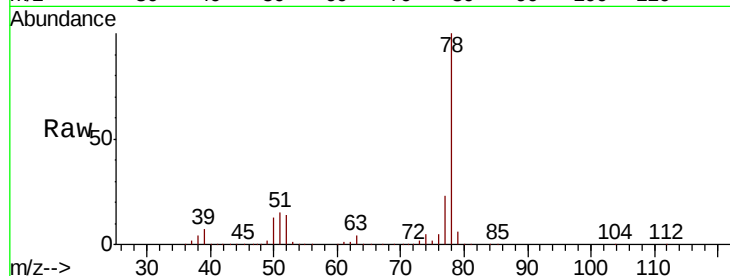
FL-0570

Tot Ion: 78 Resp: 1833133

Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

800000

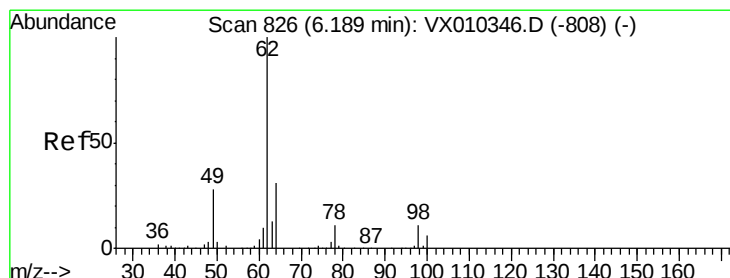
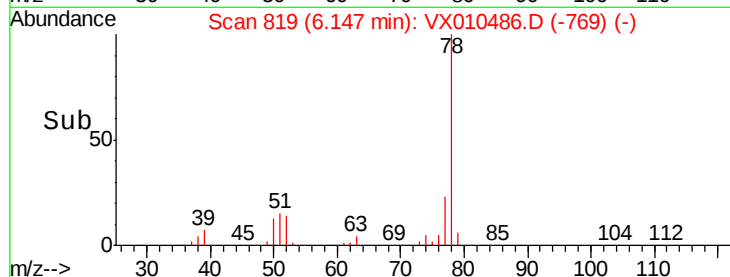
600000

400000

200000

0

Time-->



#42

1,2-Dichloroethane

Concen: 5.109 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.05 min

Lab File: VX010486.D

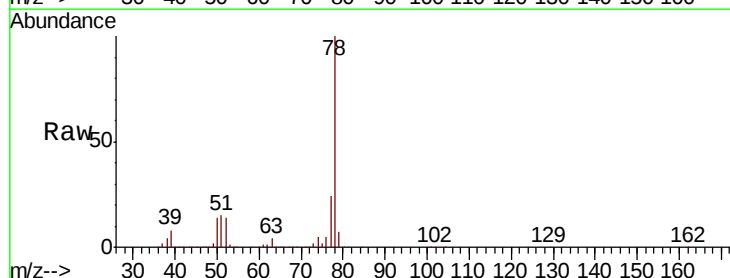
Acq: 27 Jun 2019 14:09

Tgt Ion: 62 Resp: 14925

Ion Ratio Lower Upper

62 100

98 0.0 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.14

6000

5000

4000

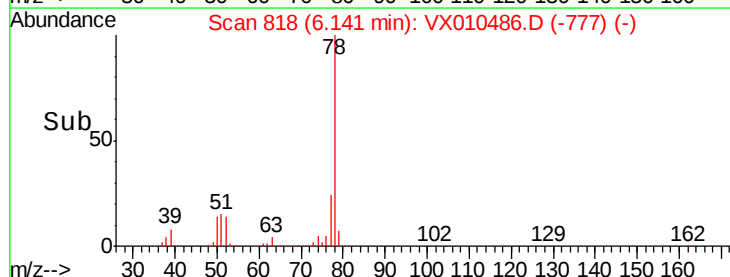
3000

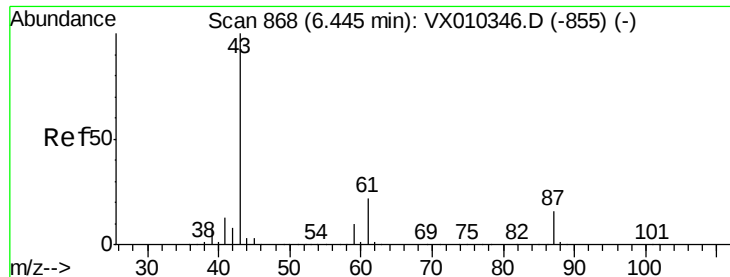
2000

1000

0

Time-->





#43

Isopropyl Acetate

Concen: 0.745 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampled :

FL-0570

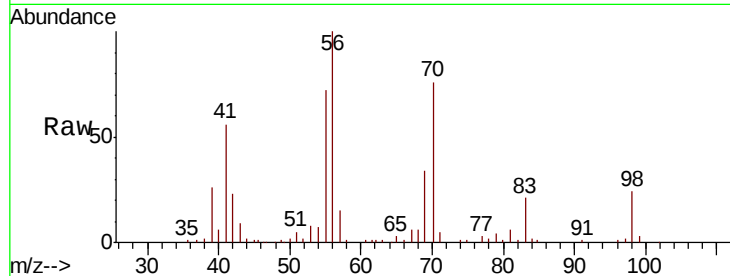
Tot Ion: 43 Resp: 3905

Ion Ratio Lower Upper

43 100

61 3.0 17.8 26.6#

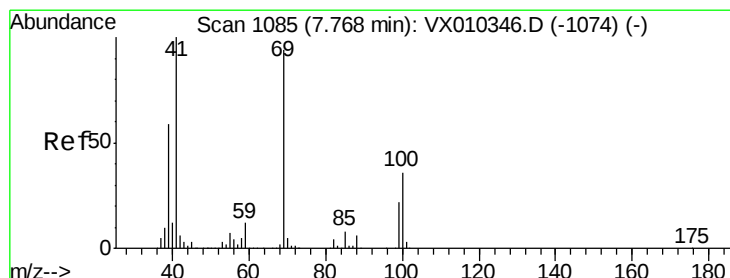
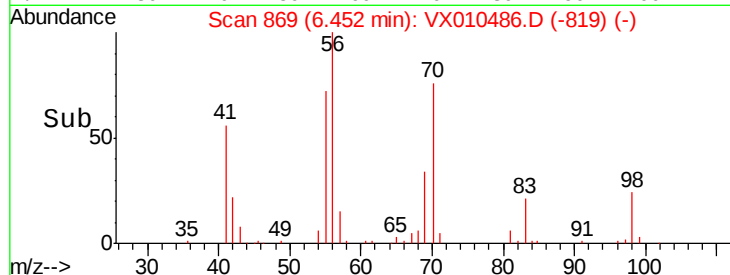
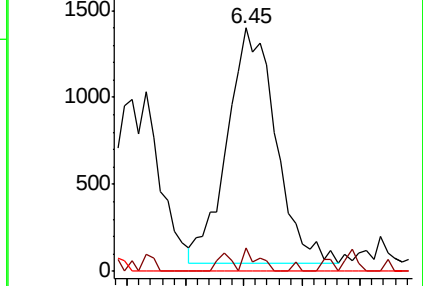
87 0.0 13.0 19.4#



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



#48

Methyl methacrylate

Concen: 4.416 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

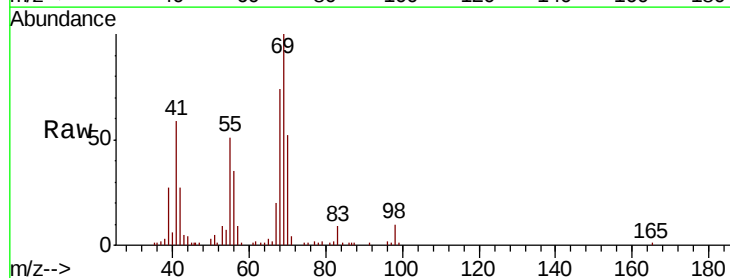
Tgt Ion: 41 Resp: 10761

Ion Ratio Lower Upper

41 100

69 166.0 76.1 114.1#

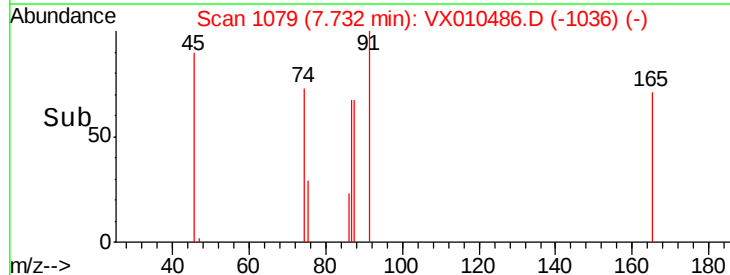
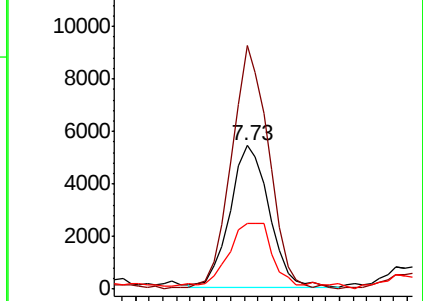
39 48.8 47.6 71.4

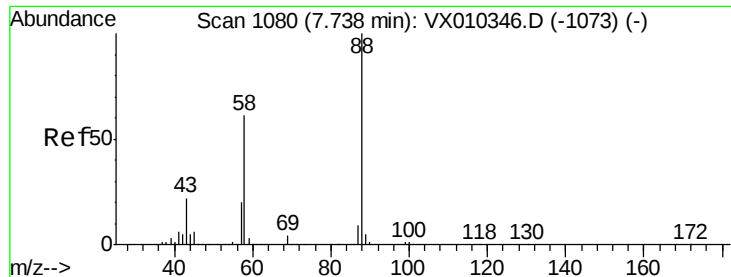


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

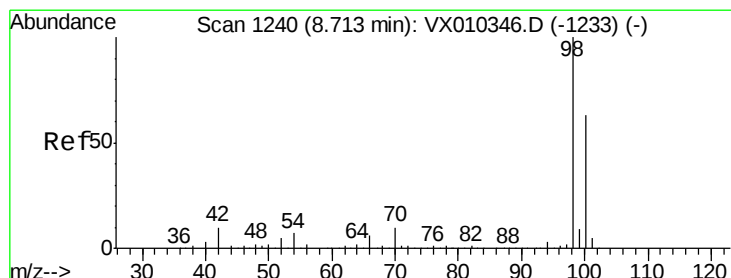
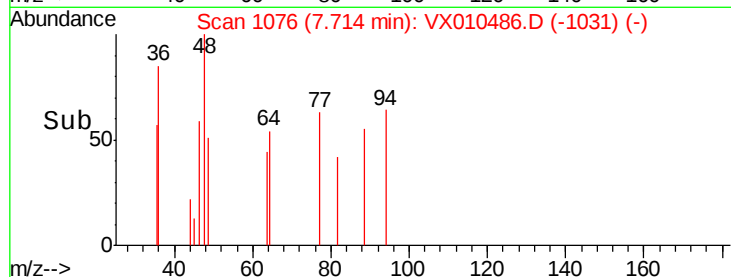
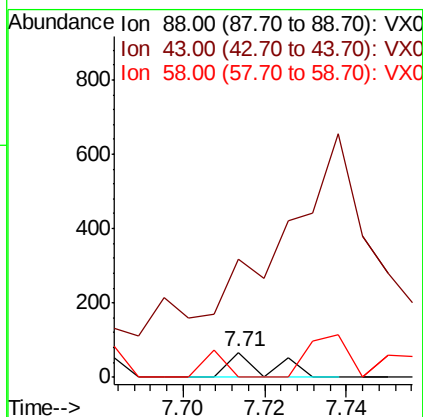
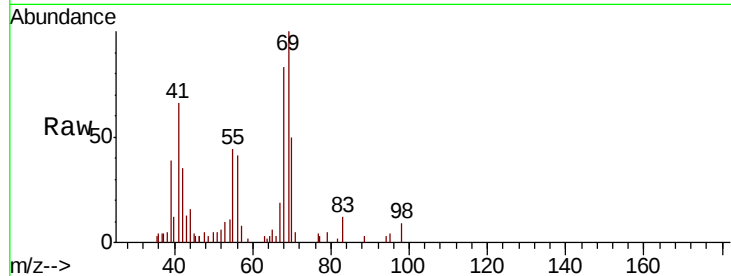




#49  
1,4-Dioxane  
Concen: 0.627 ug/l  
RT: 7.71 min Scan# 1076  
Delta R.T. -0.02 min  
Lab File: VX010486.D  
Acq: 27 Jun 2019 14:09

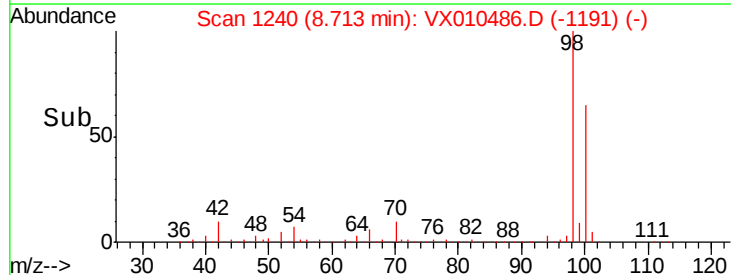
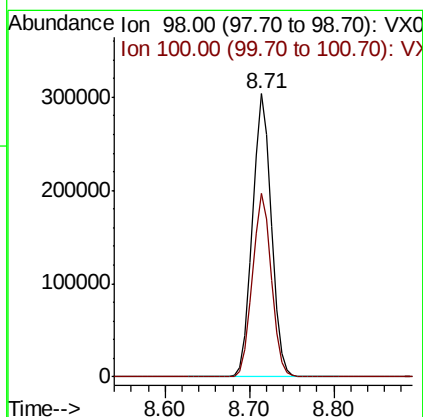
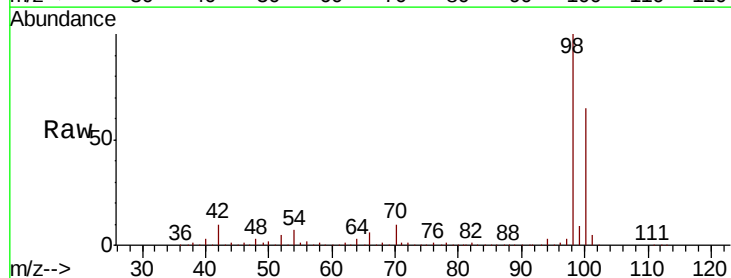
Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0570

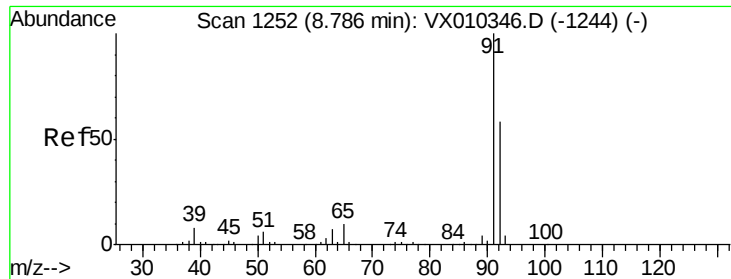
Tot Ion: 88 Resp: 44  
Ion Ratio Lower Upper  
88 100  
43 0.0 20.2 30.2#  
58 61.4 49.5 74.3



#50  
Toluene-d8  
Concen: 50.779 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX010486.D  
Acq: 27 Jun 2019 14:09

Tgt Ion: 98 Resp: 460736  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.6 77.4





#52

Toluene

Concen: 1.620 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampleId :

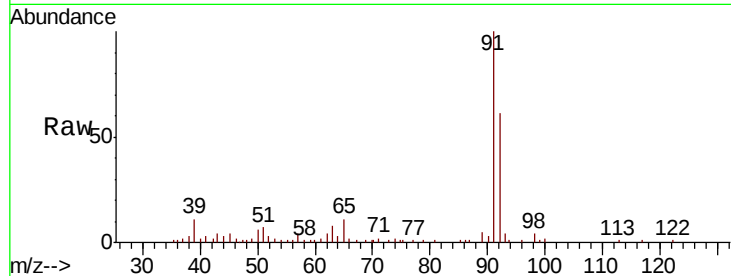
FL-0570

Tot Ion: 92 Resp: 10235

Ion Ratio Lower Upper

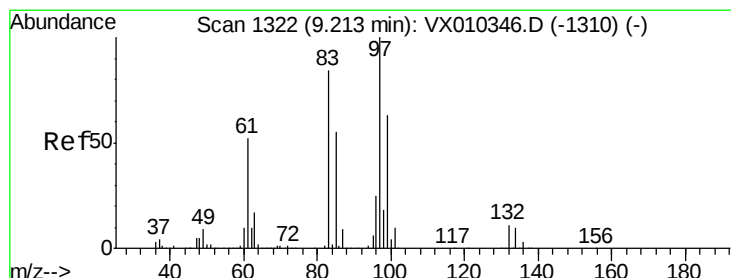
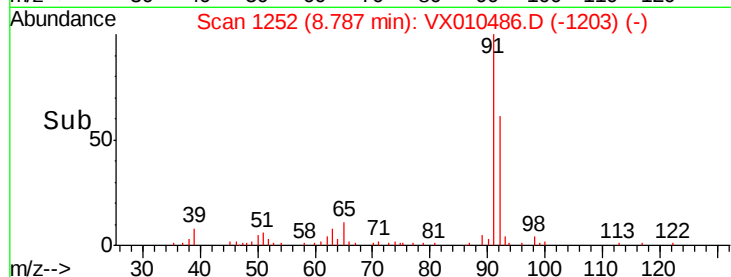
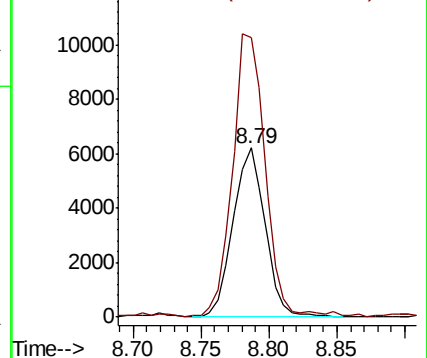
92 100

91 171.4 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 3.234 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Tgt Ion: 97 Resp: 8429

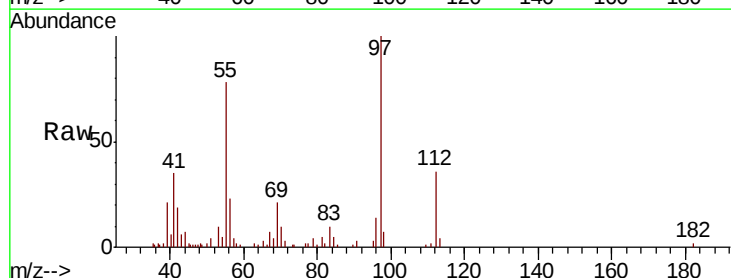
Ion Ratio Lower Upper

97 100

83 9.2 67.4 101.0#

85 1.4 43.8 65.8#

99 0.0 50.3 75.5#

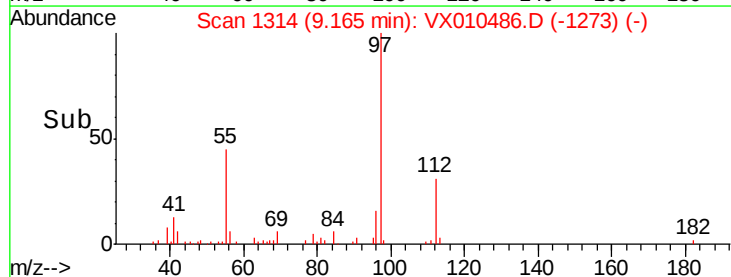
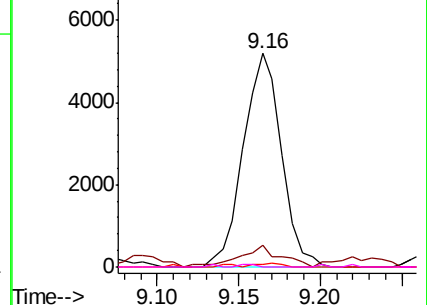


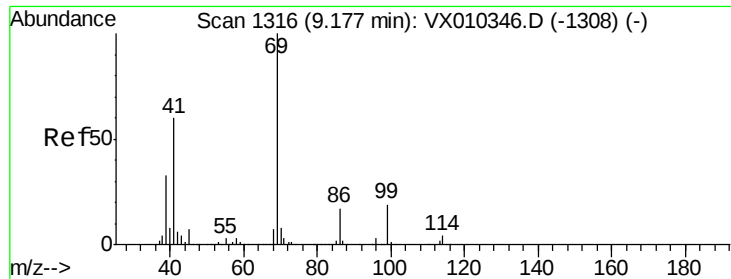
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

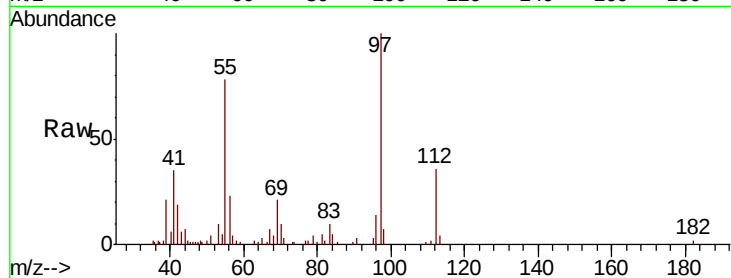




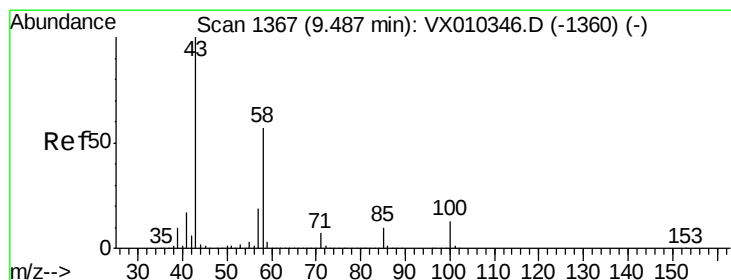
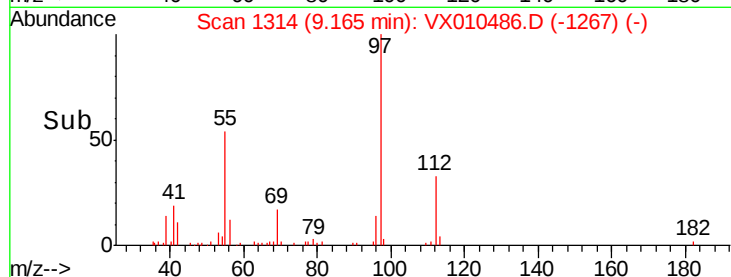
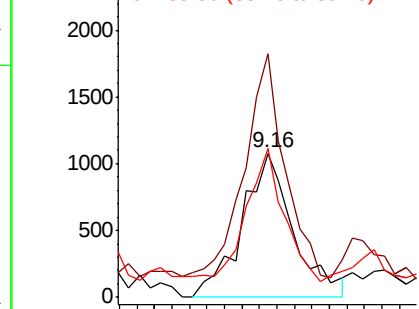
#56  
Ethyl methacrylate  
Concen: 0.558 ug/l  
RT: 9.16 min Scan# 1314  
Delta R.T. -0.01 min  
Lab File: VX010486.D  
Acq: 27 Jun 2019 14:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0570

Tot Ion: 69 Resp: 2204  
Ion Ratio Lower Upper  
69 100  
41 120.5 47.1 70.7#  
39 68.1 26.6 40.0#

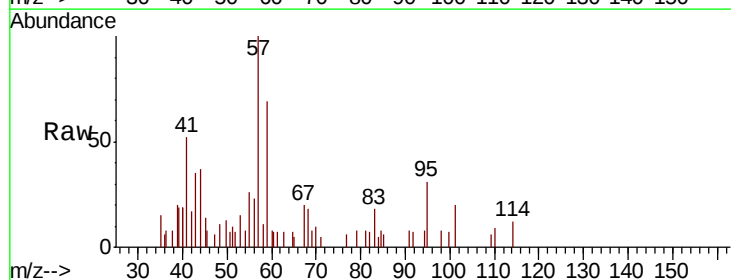


Abundance Ion 69.00 (68.70 to 69.70): VX0  
Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0

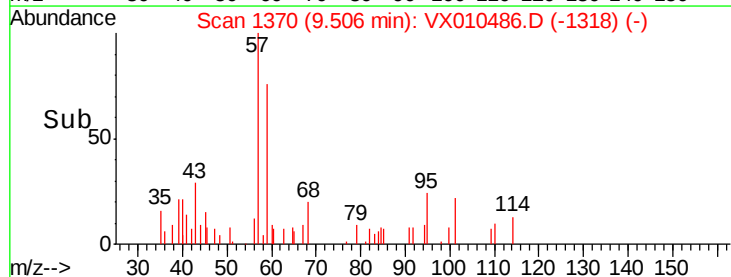
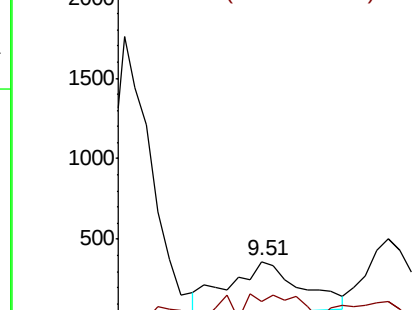


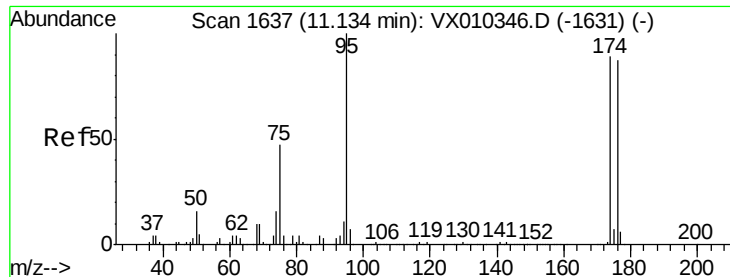
#59  
2-Hexanone  
Concen: 0.325 ug/l  
RT: 9.51 min Scan# 1370  
Delta R.T. 0.02 min  
Lab File: VX010486.D  
Acq: 27 Jun 2019 14:09

Tgt Ion: 43 Resp: 857  
Ion Ratio Lower Upper  
43 100  
58 33.1 29.0 87.1



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.760 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampleId :

FL-0570

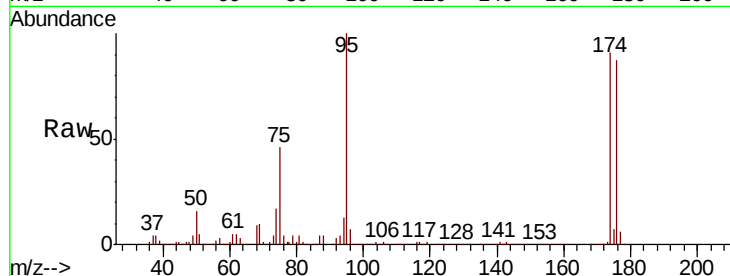
Tot Ion: 95 Resp: 159726

Ion Ratio Lower Upper

95 100

174 94.3 0.0 187.6

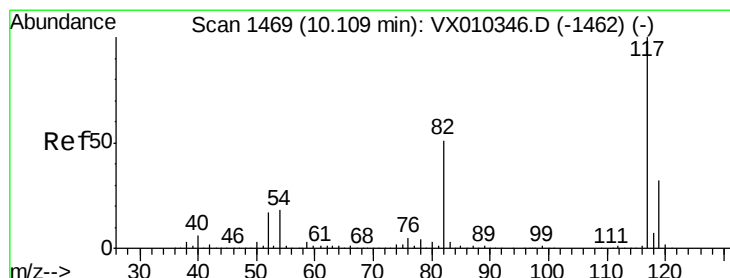
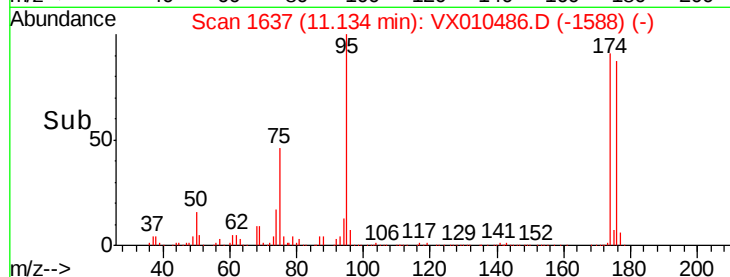
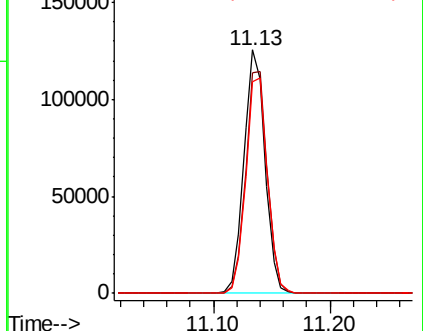
176 91.1 0.0 184.0



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: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

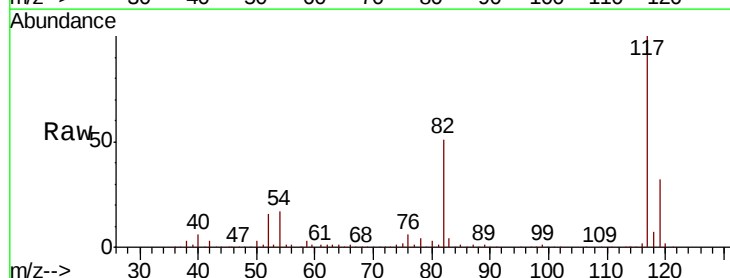
Tgt Ion: 117 Resp: 353202

Ion Ratio Lower Upper

117 100

82 50.8 41.2 61.8

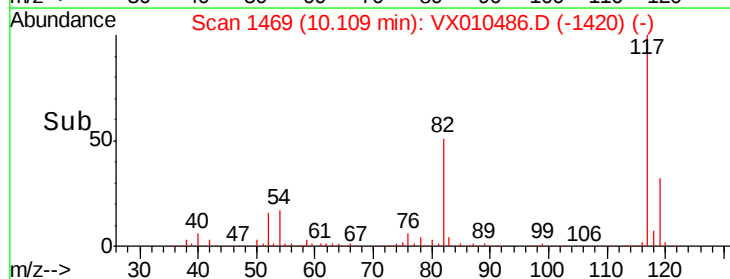
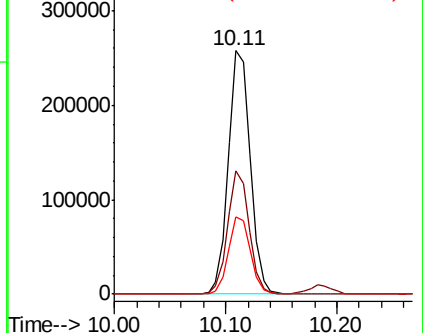
119 31.9 25.5 38.3

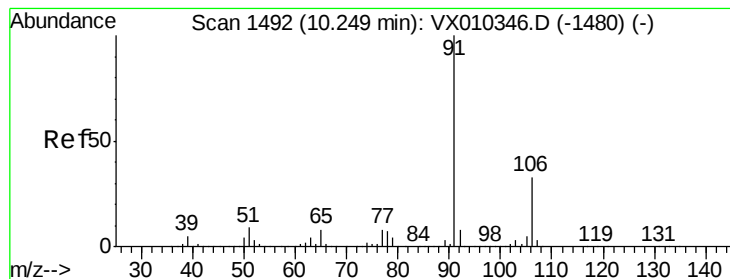


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 202.589 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampled :

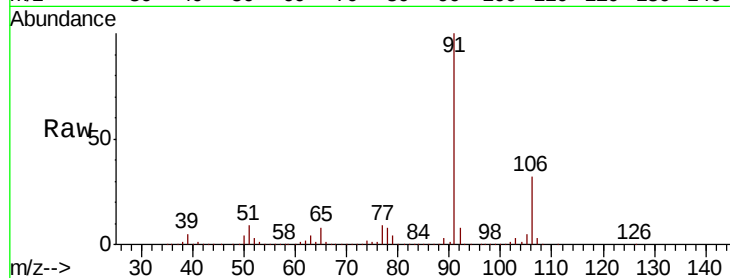
FL-0570

Tot Ion: 91 Resp: 2452479

Ion Ratio Lower Upper

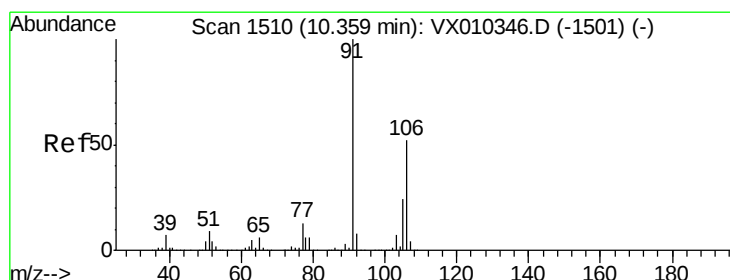
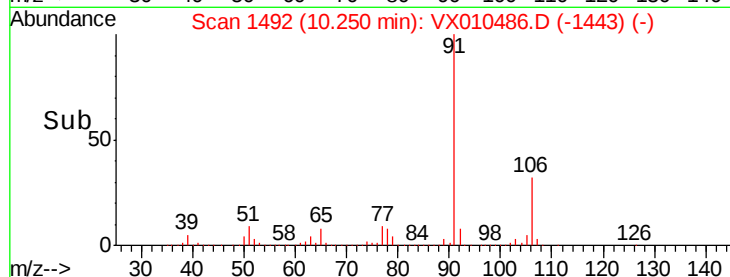
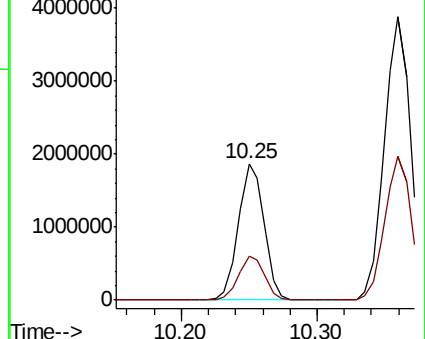
91 100

106 32.2 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 567.073 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010486.D

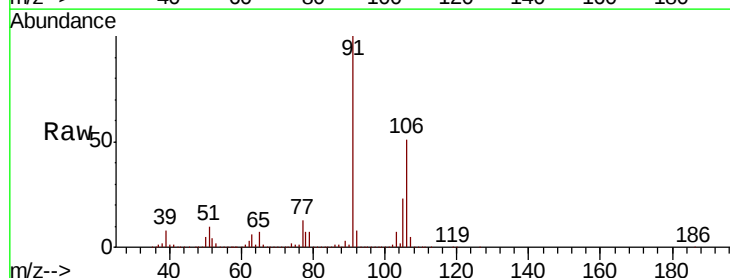
Acq: 27 Jun 2019 14:09

Tgt Ion:106 Resp: 2659941

Ion Ratio Lower Upper

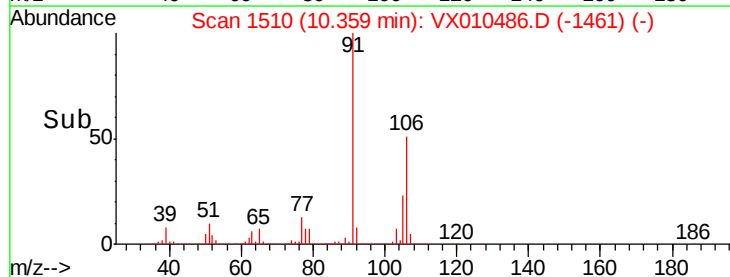
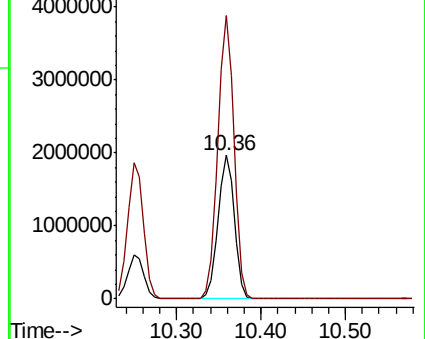
106 100

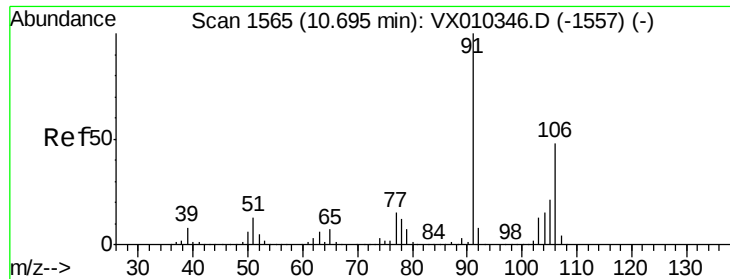
91 195.4 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

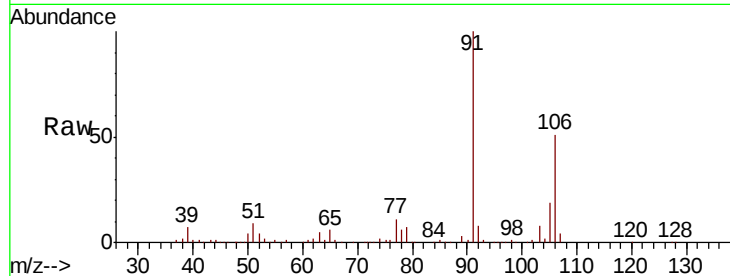




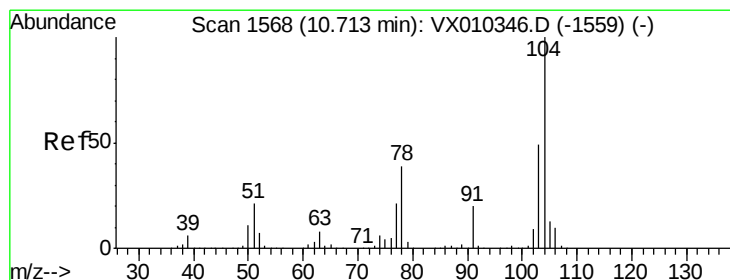
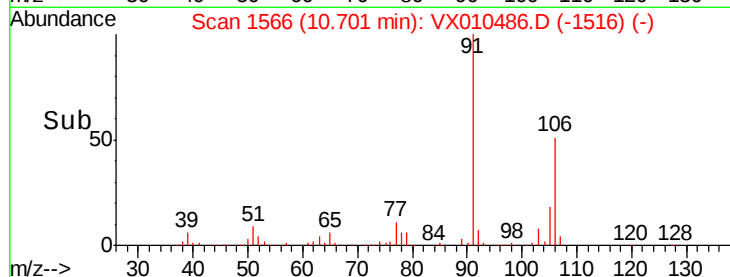
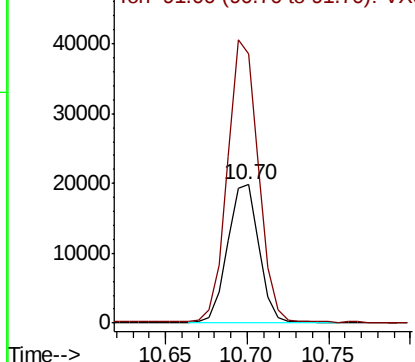
#69  
o-Xylene  
Concen: 5.695 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.01 min  
Lab File: VX010486.D  
Acq: 27 Jun 2019 14:09

Instrument :  
MSVOA\_X  
ClientSampled :  
FL-0570

Tot Ion:106 Resp: 26271  
Ion Ratio Lower Upper  
106 100  
91 202.7 102.7 308.1

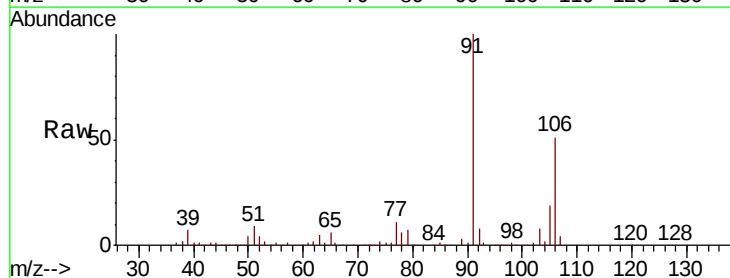


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

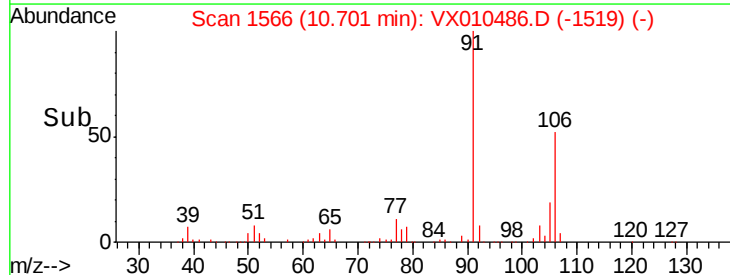
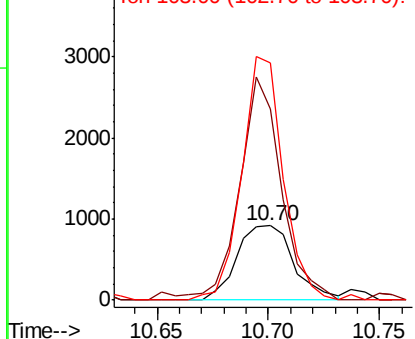


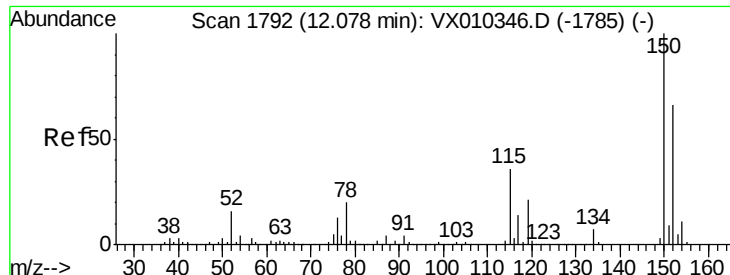
#70  
Styrene  
Concen: 0.211 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.01 min  
Lab File: VX010486.D  
Acq: 27 Jun 2019 14:09

Tgt Ion:104 Resp: 1629  
Ion Ratio Lower Upper  
104 100  
78 225.1 36.2 54.2#  
103 239.5 44.2 66.4#



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VX0  
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampleId :

FL-0570

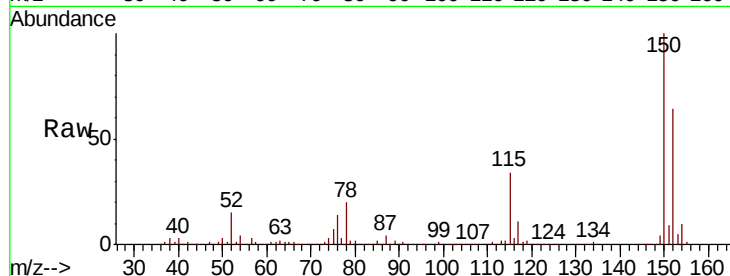
Tot Ion:152 Resp: 176342

Ion Ratio Lower Upper

152 100

115 56.8 38.6 115.7

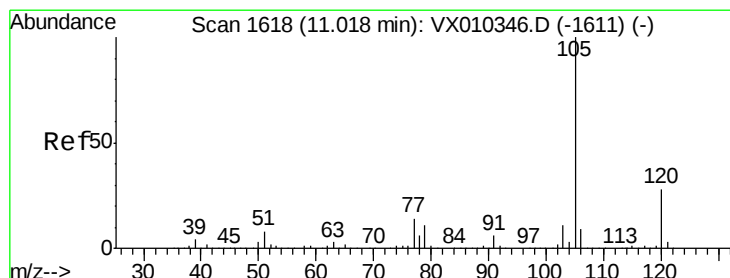
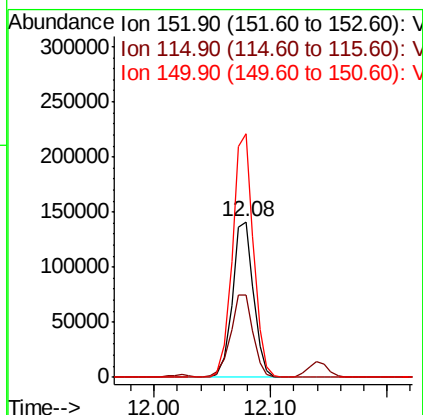
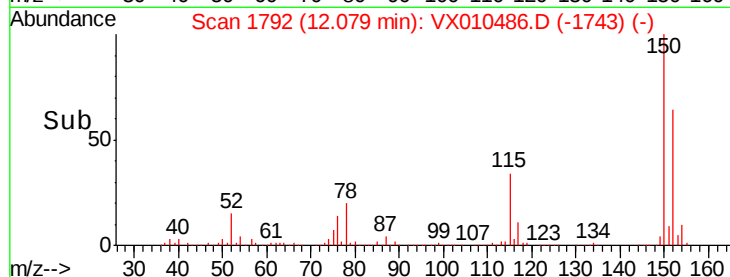
150 156.4 0.0 347.4



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: 19.268 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010486.D

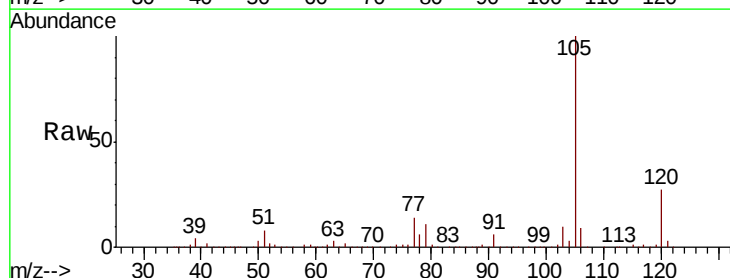
Acq: 27 Jun 2019 14:09

Tgt Ion:105 Resp: 230327

Ion Ratio Lower Upper

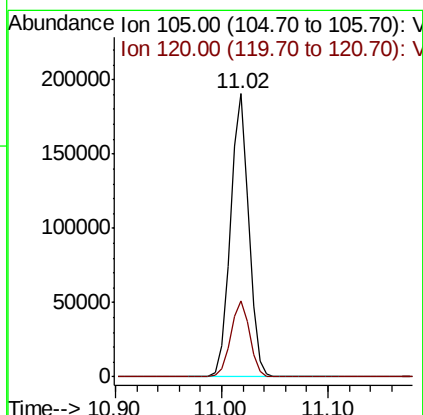
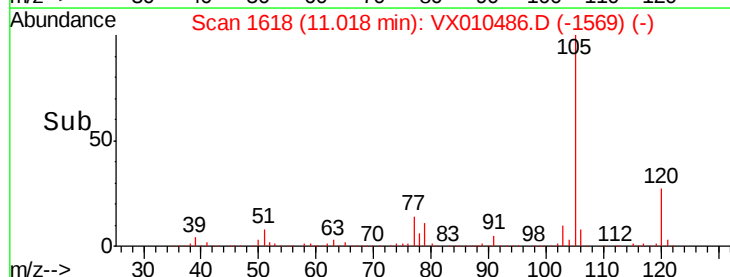
105 100

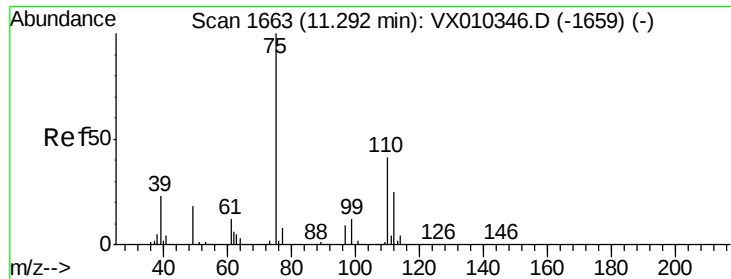
120 27.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

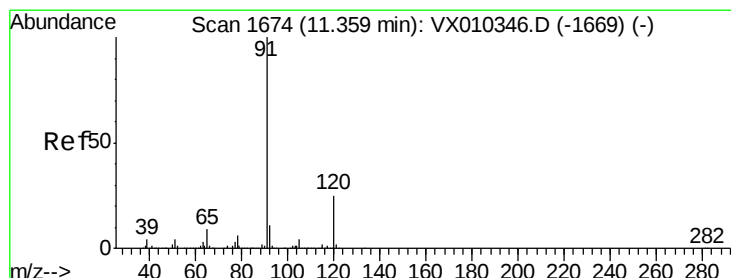
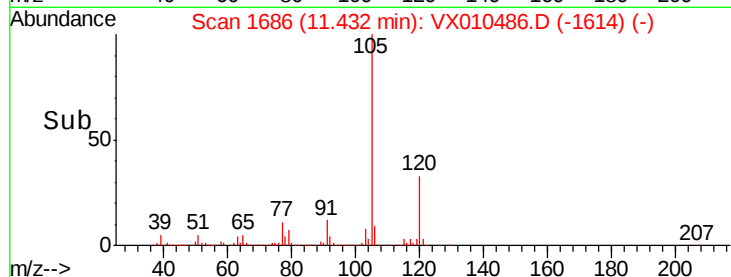
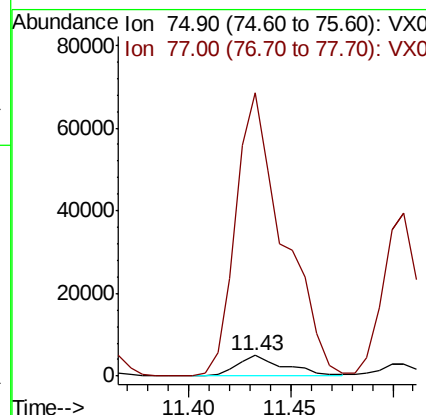
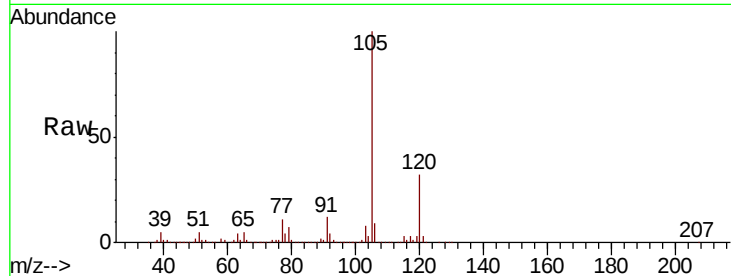




#76  
 1,2,3-Trichloropropane  
 Concen: 2.538 ug/l  
 RT: 11.43 min Scan# 1686  
 Delta R.T. 0.14 min  
 Lab File: VX010486.D  
 Acq: 27 Jun 2019 14:09

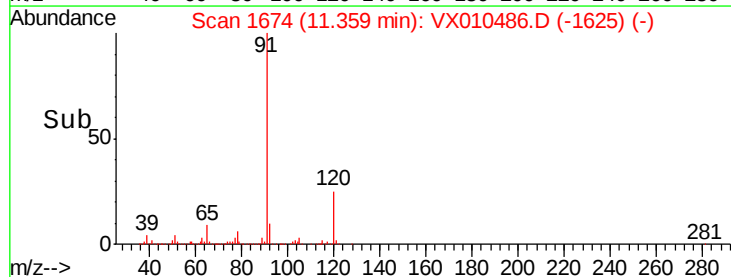
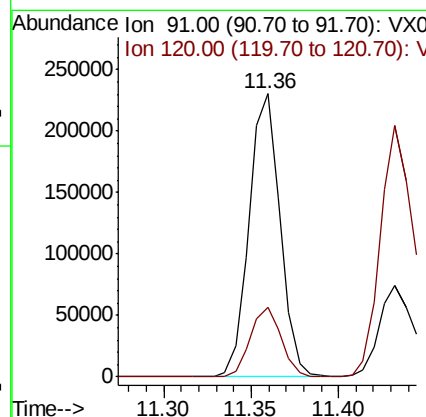
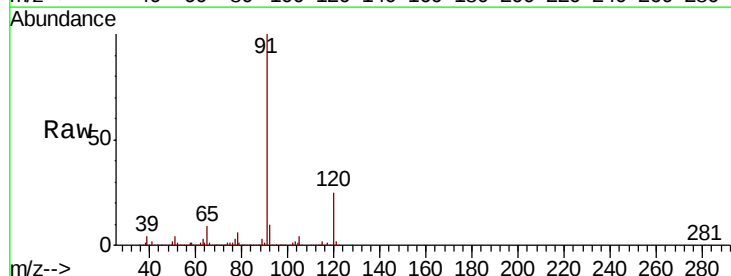
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0570

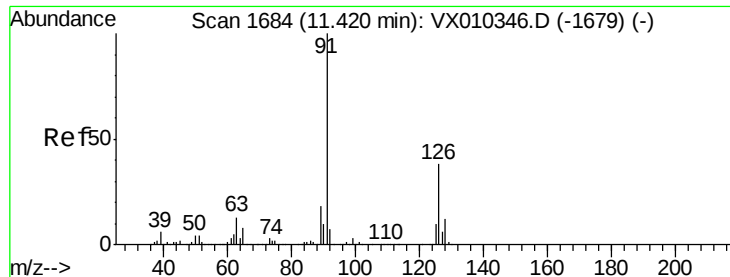
Tot Ion: 75 Resp: 8155  
 Ion Ratio Lower Upper  
 75 100  
 77 1359.6 22.6 67.8#



#78  
 n-propylbenzene  
 Concen: 21.575 ug/l  
 RT: 11.36 min Scan# 1674  
 Delta R.T. 0.00 min  
 Lab File: VX010486.D  
 Acq: 27 Jun 2019 14:09

Tgt Ion: 91 Resp: 283451  
 Ion Ratio Lower Upper  
 91 100  
 120 24.4 12.4 37.4





#79

2-Chlorotoluene

Concen: 15.390 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampled :

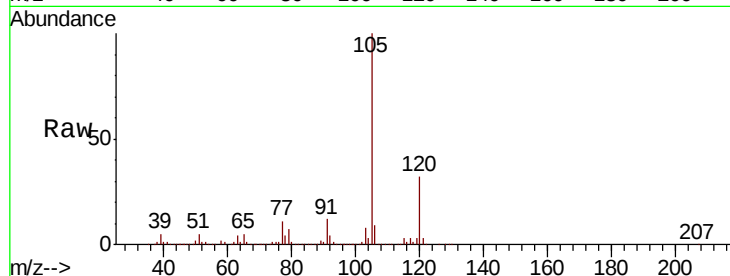
FL-0570

Tot Ion: 91 Resp: 120397

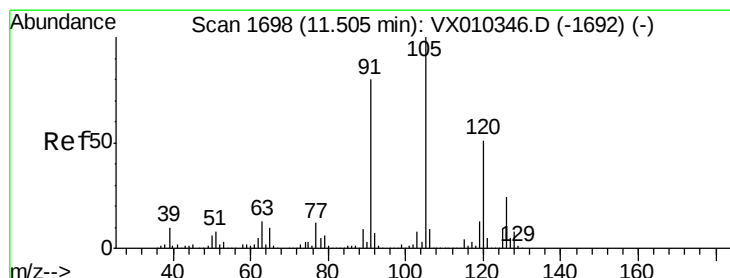
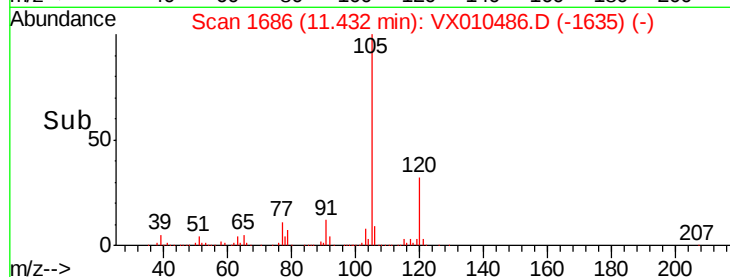
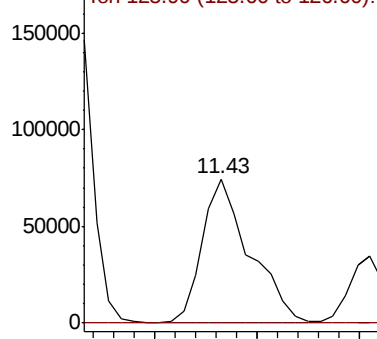
Ion Ratio Lower Upper

91 100

126 0.1 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VX010486.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 41.055 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010486.D

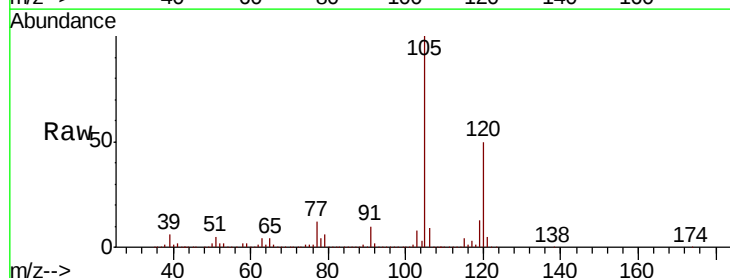
Acq: 27 Jun 2019 14:09

Tgt Ion:105 Resp: 404577

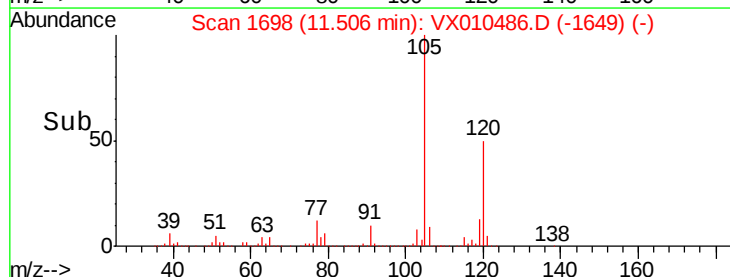
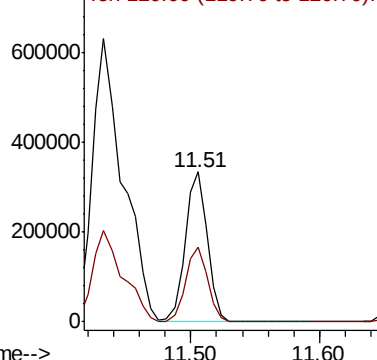
Ion Ratio Lower Upper

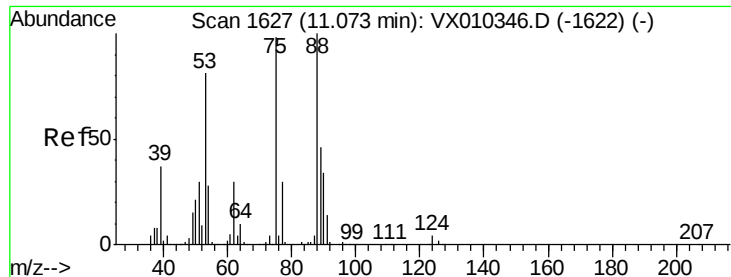
105 100

120 50.1 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010486.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 1.967 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampleId :

FL-0570

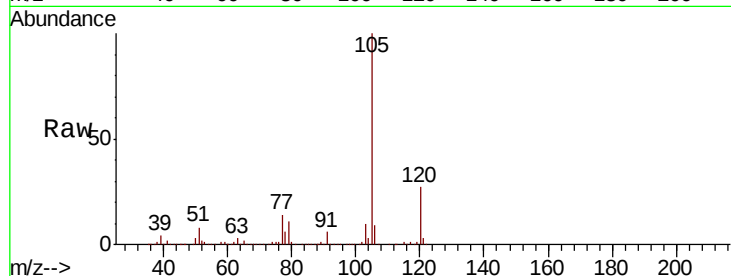
Tot Ion: 75 Resp: 2709

Ion Ratio Lower Upper

75 100

53 99.1 66.1 99.1

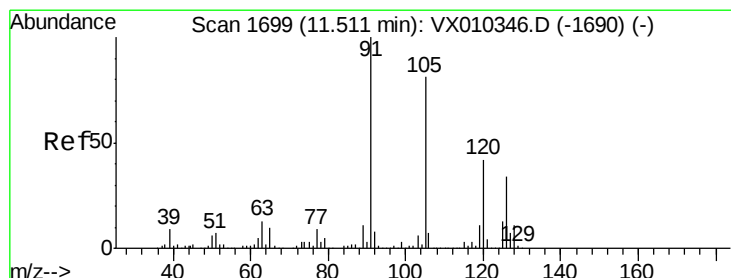
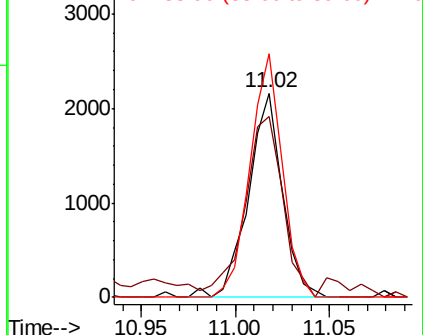
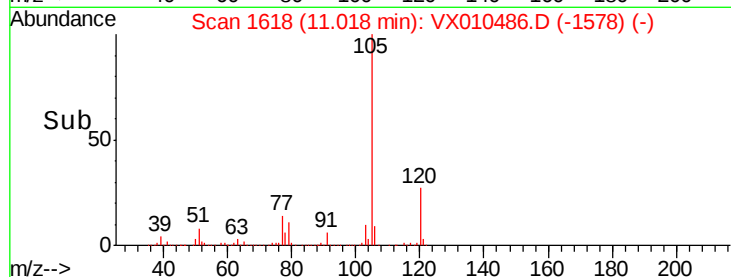
89 113.2 37.8 56.6#



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: 4.641 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010486.D

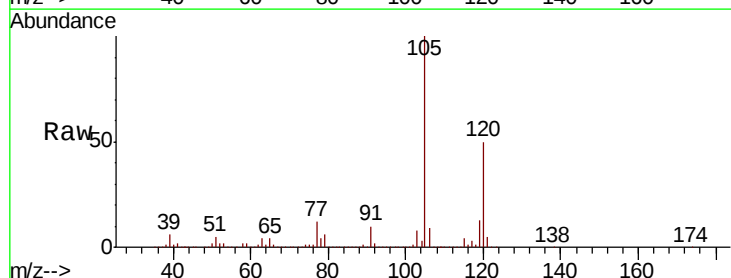
Acq: 27 Jun 2019 14:09

Tgt Ion: 91 Resp: 41316

Ion Ratio Lower Upper

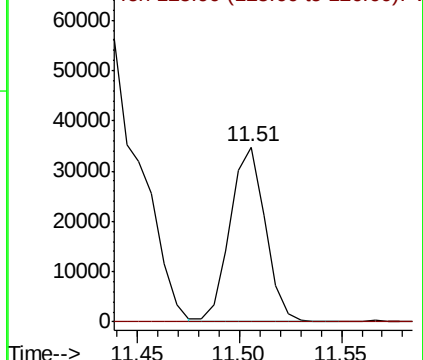
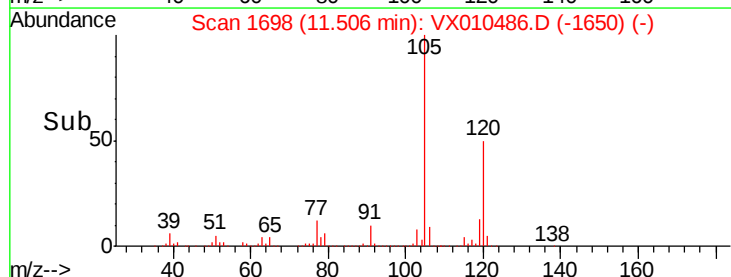
91 100

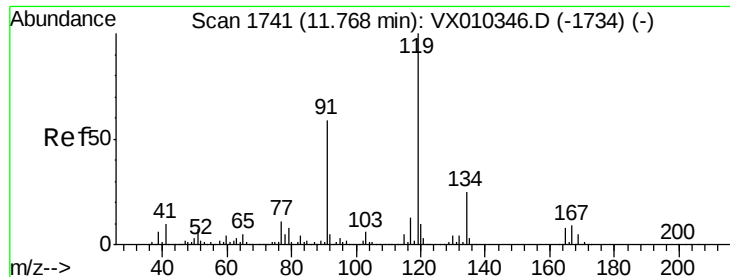
126 0.1 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

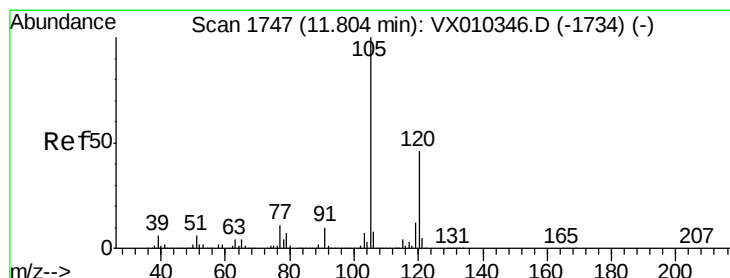
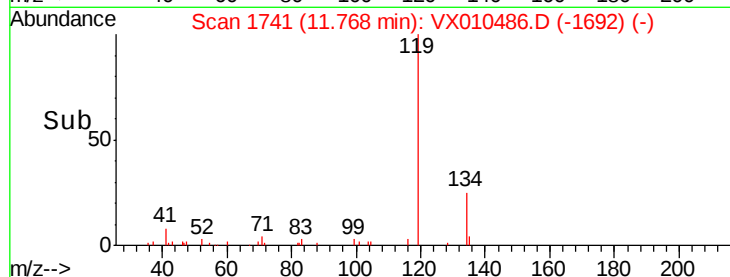
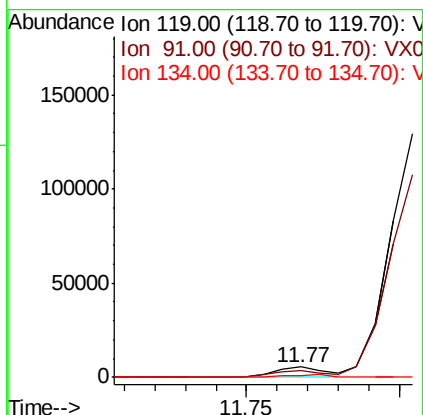
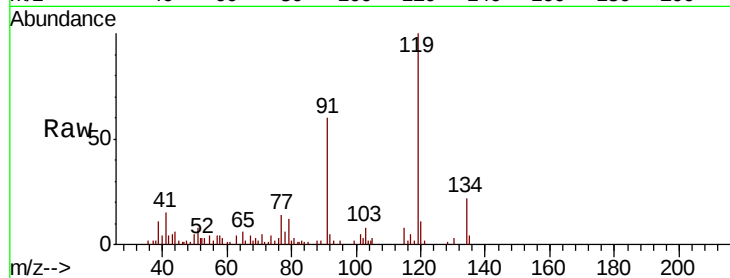




#83  
 tert-Butylbenzene  
 Concen: 0.659 ug/l  
 RT: 11.77 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX010486.D  
 Acq: 27 Jun 2019 14:09

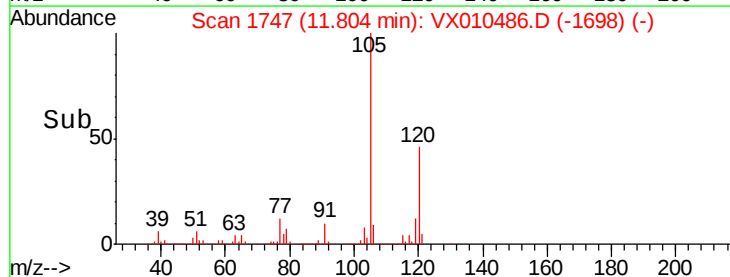
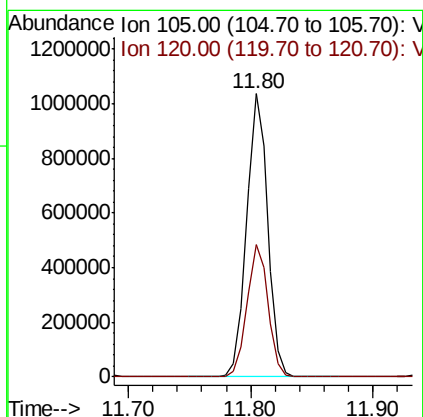
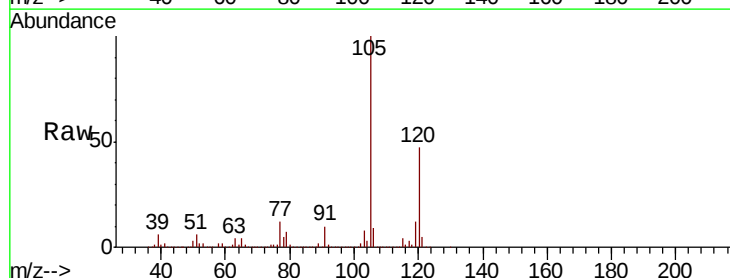
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0570

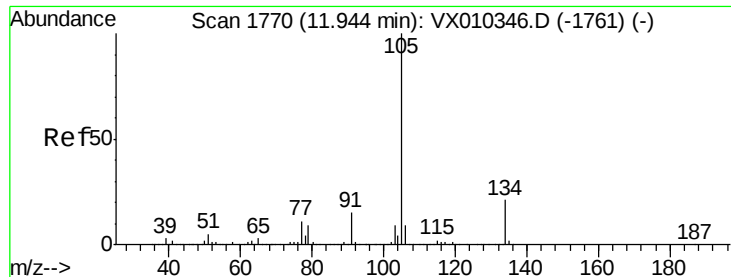
Tot Ion:119 Resp: 6514  
 Ion Ratio Lower Upper  
 119 100  
 91 65.4 27.6 82.7  
 134 27.5 11.8 35.4



#84  
 1,2,4-Trimethylbenzene  
 Concen: 124.467 ug/l  
 RT: 11.80 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: VX010486.D  
 Acq: 27 Jun 2019 14:09

Tgt Ion:105 Resp: 1232303  
 Ion Ratio Lower Upper  
 105 100  
 120 47.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 106.113 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampled :

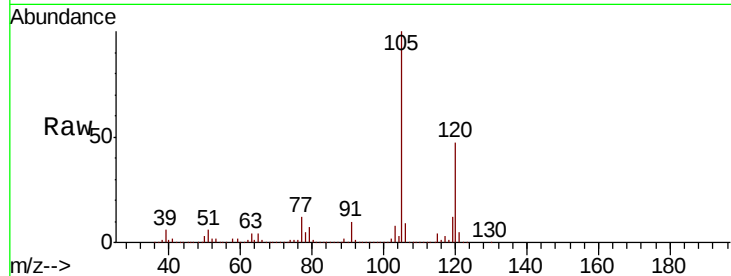
FL-0570

Tot Ion:105 Resp: 1232303

Ion Ratio Lower Upper

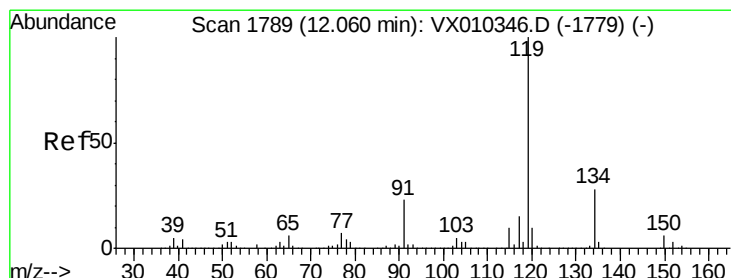
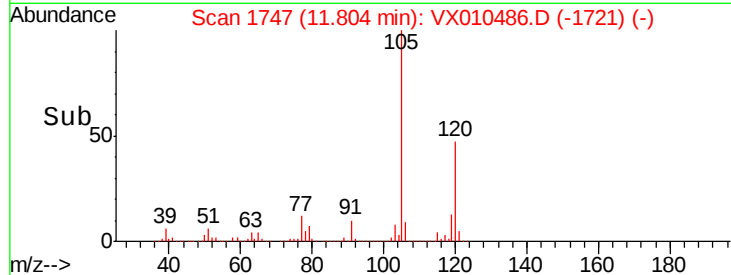
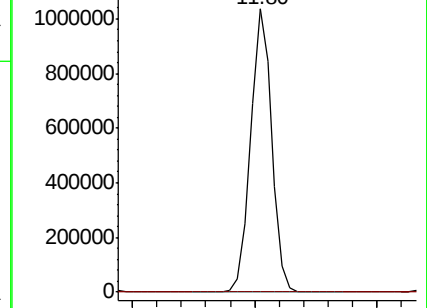
105 100

134 0.0 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.782 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

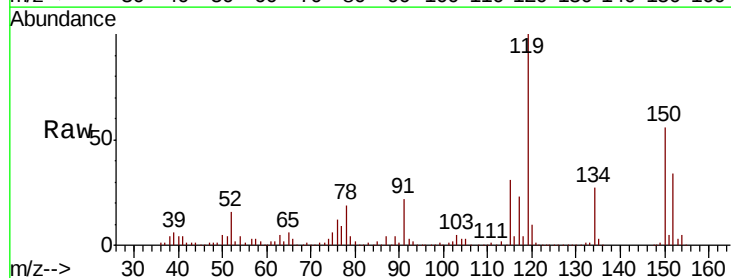
Tgt Ion:119 Resp: 62107

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

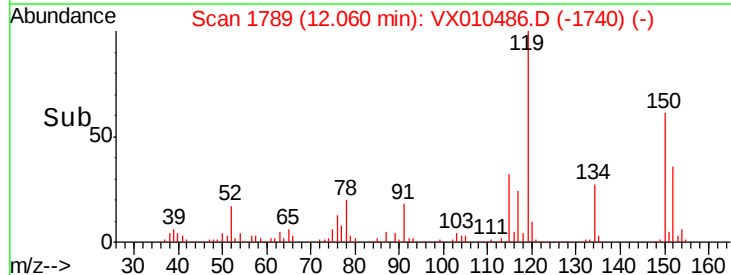
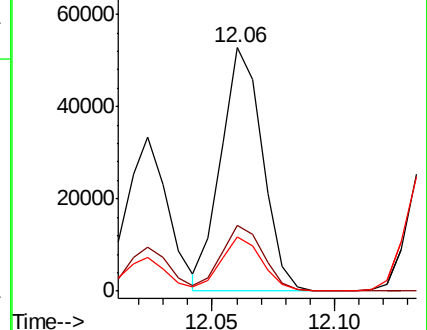
91 21.9 11.3 33.8

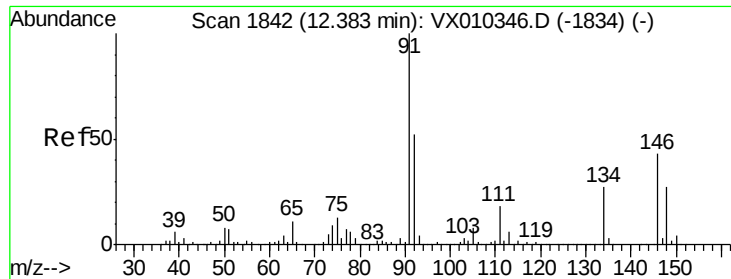


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

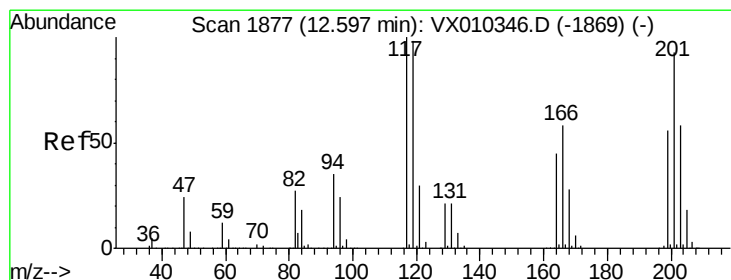
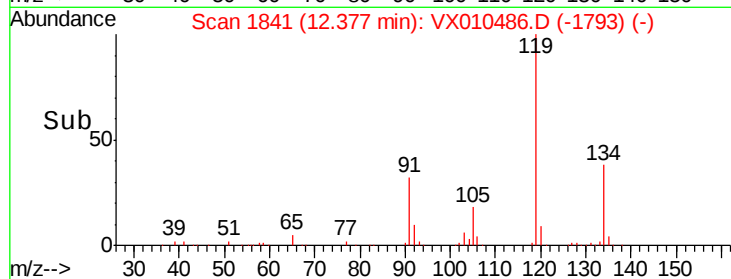
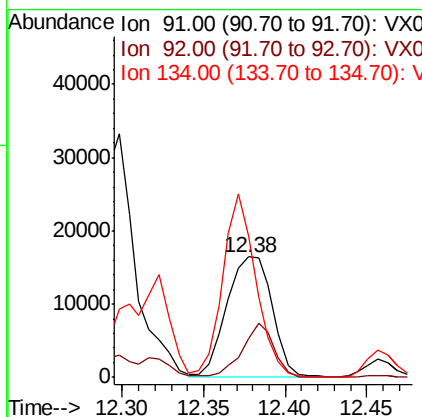
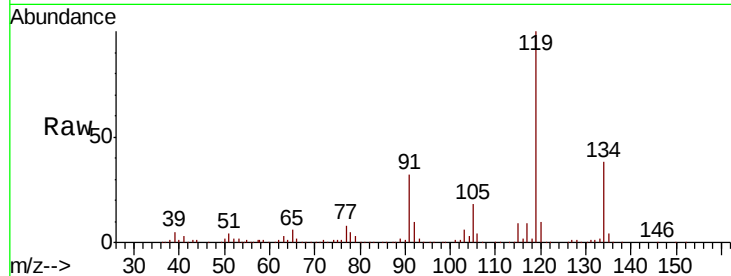




#89  
n-Butylbenzene  
Concen: 3.455 ug/l  
RT: 12.38 min Scan# 1841  
Delta R.T. -0.01 min  
Lab File: VX010486.D  
Acq: 27 Jun 2019 14:09

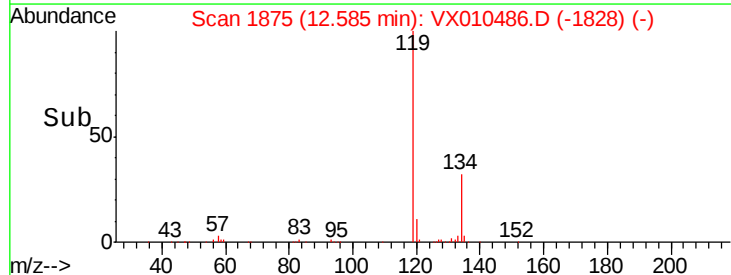
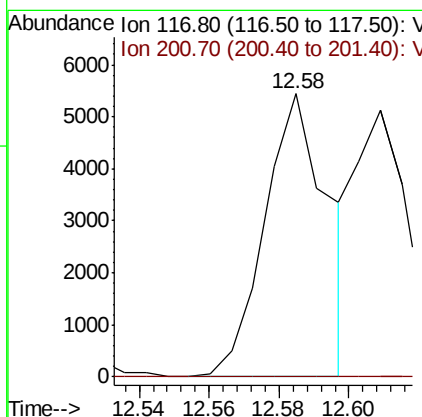
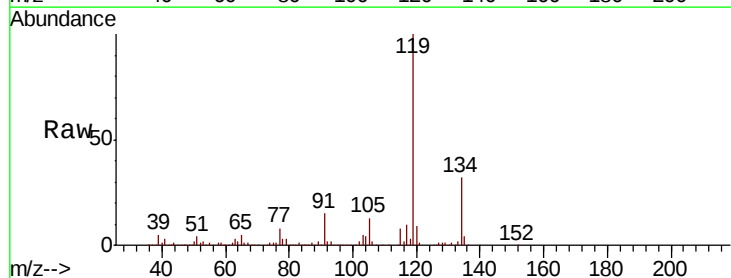
Instrument :  
MSVOA\_X  
ClientSampled :  
FL-0570

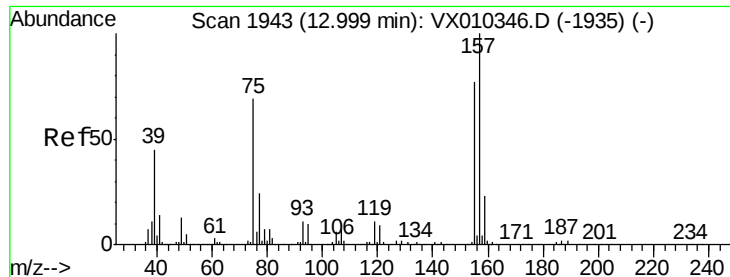
Tot Ion: 91 Resp: 31537  
Ion Ratio Lower Upper  
91 100  
92 32.5 26.2 78.5  
134 113.3 14.1 42.4#



#90  
Hexachloroethane  
Concen: 3.690 ug/l  
RT: 12.58 min Scan# 1875  
Delta R.T. -0.01 min  
Lab File: VX010486.D  
Acq: 27 Jun 2019 14:09

Tgt Ion: 117 Resp: 6853  
Ion Ratio Lower Upper  
117 100  
201 0.0 44.0 131.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.983 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Instrument :

MSVOA\_X

ClientSampleId :

FL-0570

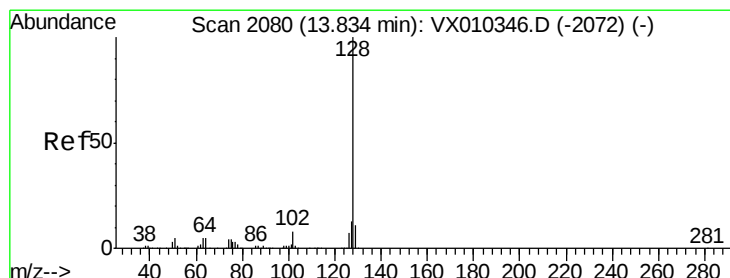
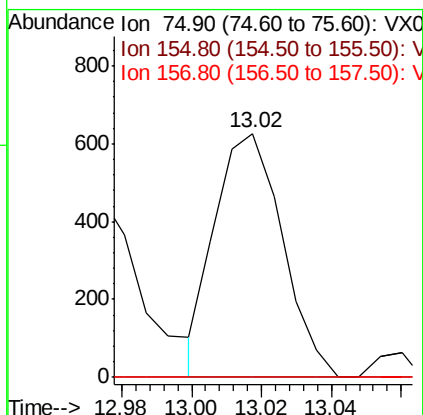
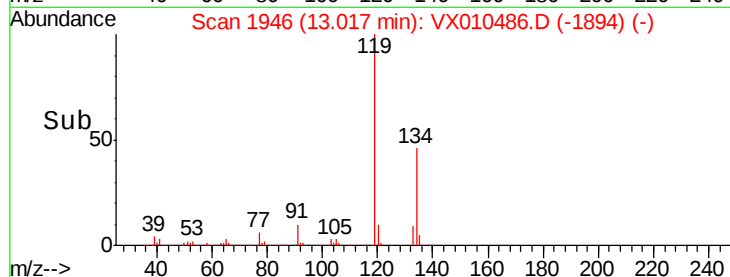
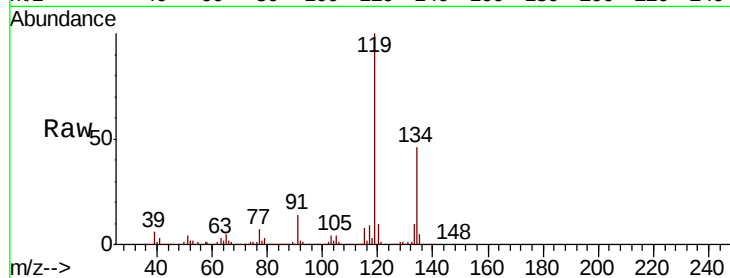
Tot Ion: 75 Resp: 839

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

157 0.0 69.5 208.3#



#95

Naphthalene

Concen: 16.965 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010486.D

Acq: 27 Jun 2019 14:09

Tgt Ion:128 Resp: 209358

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

129 11.3 8.9 13.3

