

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\  
 Data File : VX013725.D  
 Acq On : 03 Dec 2019 15:24  
 Operator : JC/SP  
 Sample : K6027-13DL 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2DL

Quant Time: Dec 04 00:35:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:53:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 676356   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 1027665  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 920895   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 439940   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 367041   | 46.75 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.50% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 303690   | 47.80 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.60% |          |
| 50) Toluene-d8              | 8.71  | 98   | 1223774  | 49.44 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.88% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 427075   | 47.85 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.70% |          |

| Target Compounds            | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|-----------------------------|-------|------|----------|---------|--------|--------|
| 5) Bromomethane             | 1.64  | 94   | 1328     | 0.208   | ug/l   | 82     |
| 11) Tert butyl alcohol      | 3.02  | 59   | 12896    | 6.655   | ug/l # | 74     |
| 13) Acrolein                | 2.28  | 56   | 231      | 6.178   | ug/l # | 15     |
| 14) Allyl chloride          | 2.83  | 41   | 24543    | 2.101   | ug/l # | 68     |
| 16) Acetone                 | 2.43  | 43   | 9018     | 2.327   | ug/l   | 92     |
| 18) Methyl Acetate          | 2.84  | 43   | 60875    | 5.640   | ug/l # | 51     |
| 19) Methyl tert-butyl Ether | 3.19  | 73   | 67308    | 3.157   | ug/l # | 1      |
| 20) Methylene Chloride      | 2.85  | 84   | 5731     | 0.770   | ug/l # | 67     |
| 25) 2-Butanone              | 4.67  | 43   | 6182     | 1.073   | ug/l # | 26     |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 3768     | 0.468   | ug/l   | 88     |
| 28) Bromochloromethane      | 5.03  | 49   | 1653     | 0.328   | ug/l # | 11     |
| 30) Chloroform              | 5.20  | 83   | 40007    | 3.208   | ug/l   | 96     |
| 31) Cyclohexane             | 5.57  | 56   | 56355    | 4.859   | ug/l # | 95     |
| 36) 1,1-Dichloropropene     | 5.65  | 75   | 44745    | 4.797   | ug/l # | 42     |
| 38) Carbon Tetrachloride    | 5.65  | 117  | 57527    | 6.688   | ug/l # | 17     |
| 39) Methylcyclohexane       | 7.46  | 83   | 62089    | 5.385   | ug/l   | 94     |
| 40) Benzene                 | 6.14  | 78   | 723134   | 25.452  | ug/l   | 100    |
| 43) Isopropyl Acetate       | 6.42  | 43   | 51486    | 2.988   | ug/l # | 17     |
| 47) Bromodichloromethane    | 7.89  | 83   | 3963     | 0.434   | ug/l   | 97     |
| 48) Methyl methacrylate     | 7.73  | 41   | 8148     | 0.973   | ug/l # | 56     |
| 49) 1,4-Dioxane             | 7.71  | 88   | 833      | 4.445   | ug/l # | 76     |
| 52) Toluene                 | 8.78  | 92   | 53750    | 3.045   | ug/l   | 97     |
| 55) 1,1,2-Trichloroethane   | 9.16  | 97   | 19618    | 2.758   | ug/l # | 18     |
| 56) Ethyl methacrylate      | 9.15  | 69   | 5648     | 0.494   | ug/l # | 32     |
| 59) 2-Hexanone              | 9.51  | 43   | 2125     | 0.251   | ug/l   | 88     |
| 64) Tetrachloroethene       | 9.34  | 164  | 2146     | 0.312   | ug/l   | 93     |
| 67) Ethyl Benzene           | 10.25 | 91   | 1518533  | 46.219  | ug/l   | 99     |
| 68) m/p-Xylenes             | 10.35 | 106  | 1435604  | 114.130 | ug/l   | 100    |
| 69) o-Xylene                | 10.70 | 106  | 106988   | 8.721   | ug/l   | 98     |
| 70) Styrene                 | 10.70 | 104  | 6583     | 0.319   | ug/l # | 1      |
| 73) Isopropylbenzene        | 11.01 | 105  | 213449   | 6.917   | ug/l   | 100    |
| 76) 1,2,3-Trichloropropane  | 11.45 | 75   | 6281     | 0.635   | ug/l # | 1      |
| 78) n-propylbenzene         | 11.35 | 91   | 405608   | 11.774  | ug/l   | 100    |
| 79) 2-Chlorotoluene         | 11.45 | 91   | 78866    | 3.816   | ug/l # | 40     |

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 ClientSampleId :  
 MW-2DL

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 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:53:00 2019  
 Response via : Initial Calibration

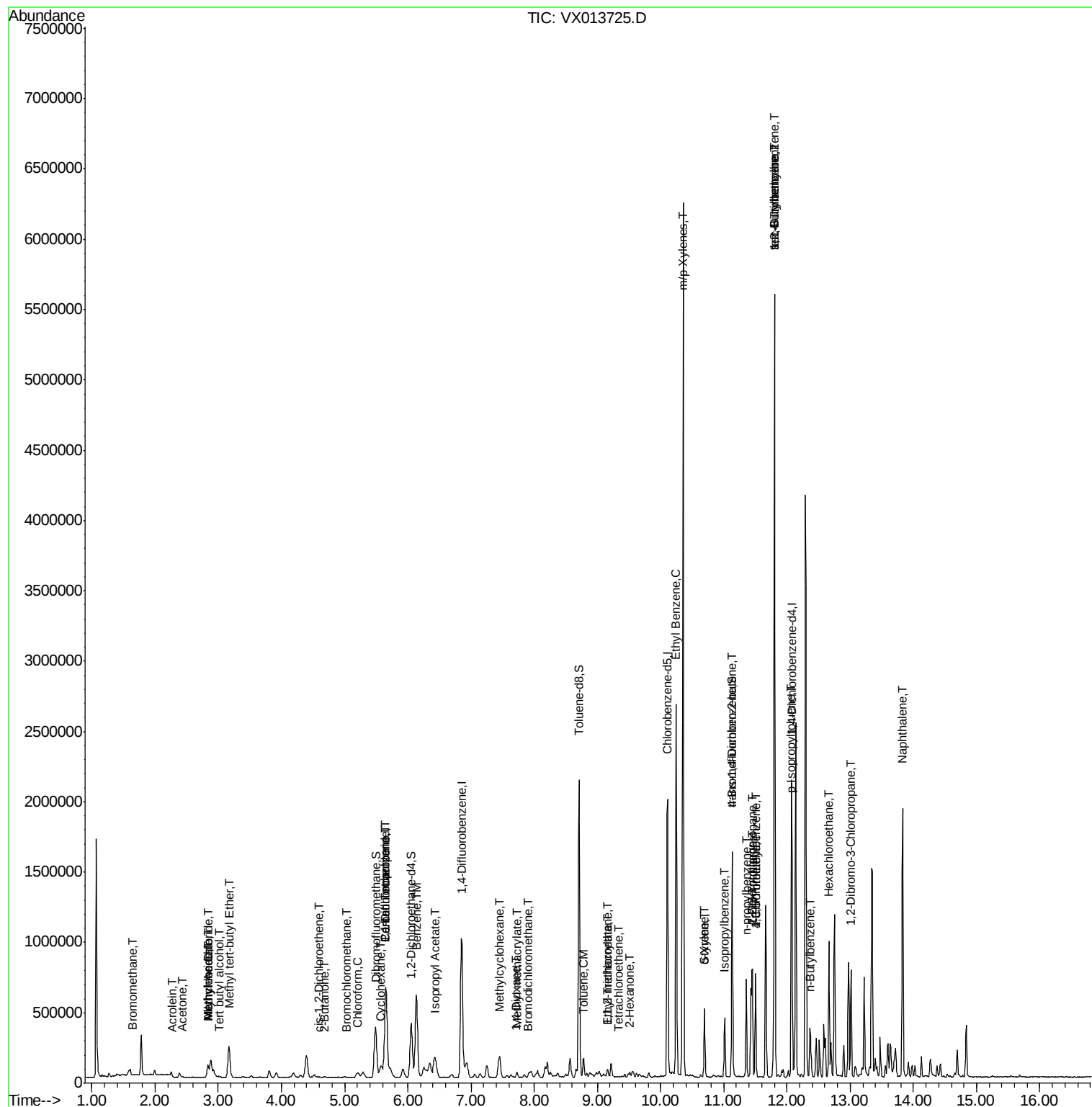
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 308638   | 12.203 | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 207233   | 57.297 | ug/l # | 11       |
| 82) 4-Chlorotoluene            | 11.50 | 91   | 33060    | 1.381  | ug/l # | 45       |
| 83) tert-Butylbenzene          | 11.81 | 119  | 303535   | 11.809 | ug/l # | 58       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 2478646  | 96.560 | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.81 | 105  | 2478667  | 84.422 | ug/l # | 55       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 10957    | 0.401  | ug/l # | 75       |
| 89) n-Butylbenzene             | 12.38 | 91   | 59006    | 2.533  | ug/l # | 37       |
| 90) Hexachloroethane           | 12.67 | 117  | 39025    | 7.905  | ug/l # | 6        |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 2520     | 1.081  | ug/l # | 2        |
| 95) Naphthalene                | 13.83 | 128  | 1158404  | 38.871 | ug/l   | 99       |

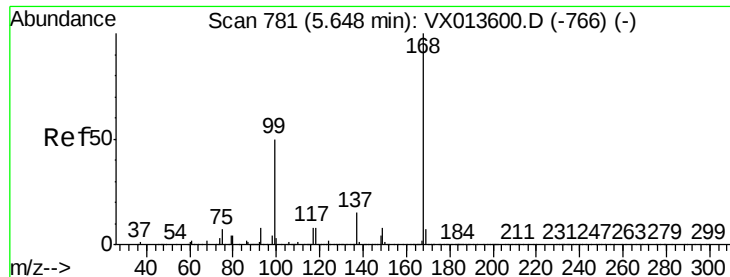
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampled :

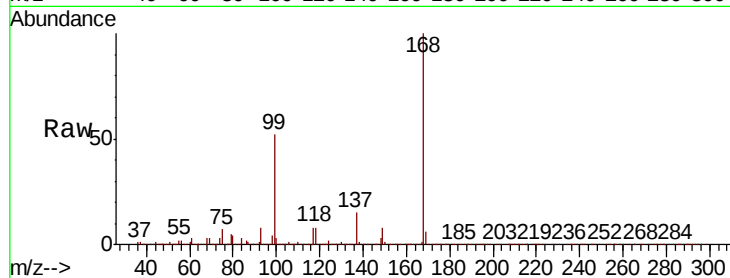
MW-2DL

Tot Ion:168 Resp: 676356

Ion Ratio Lower Upper

168 100

99 51.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

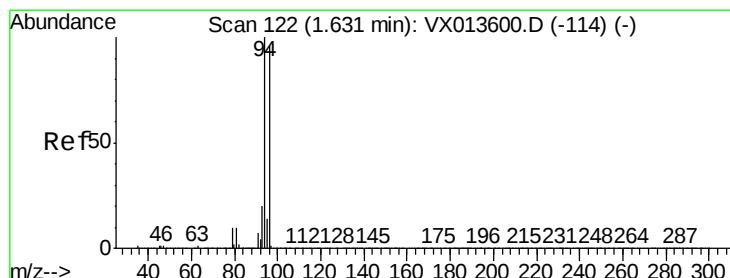
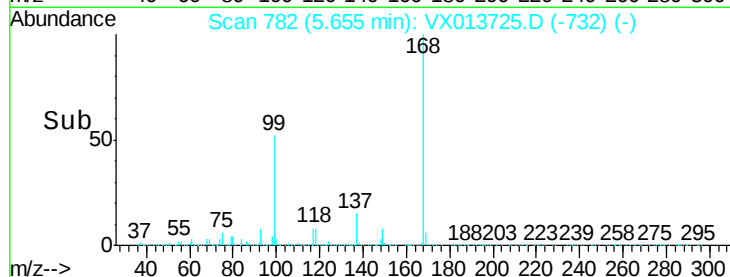
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.208 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013725.D

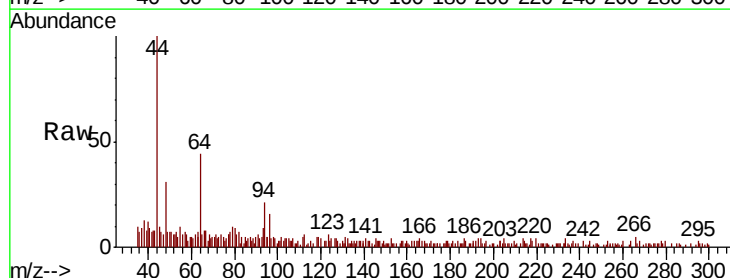
Acq: 03 Dec 2019 15:24

Tgt Ion: 94 Resp: 1328

Ion Ratio Lower Upper

94 100

96 78.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1200

1000

800

600

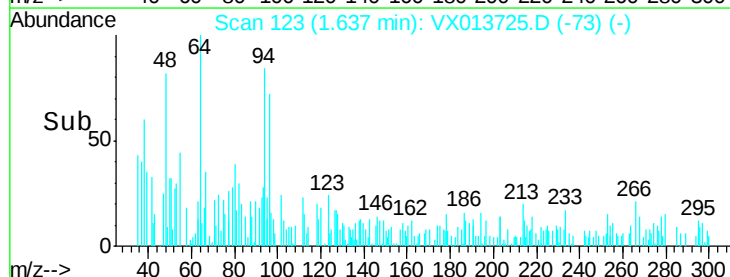
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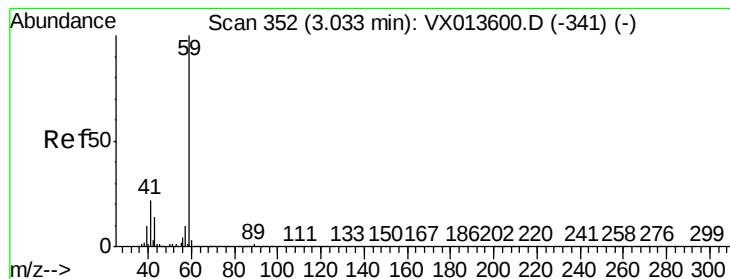
200

0

Time-->

1.60 1.62 1.64 1.66



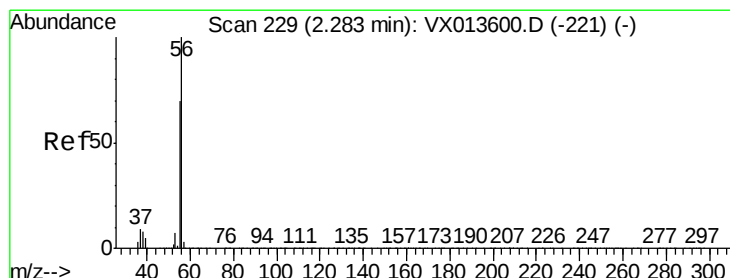
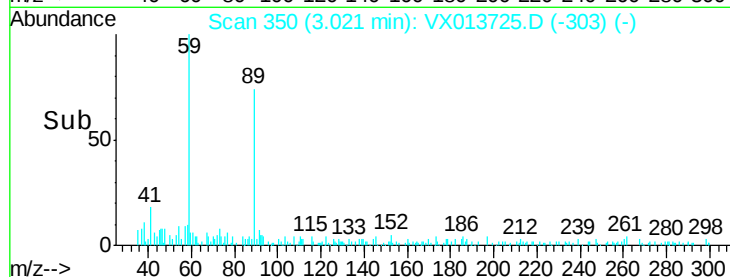
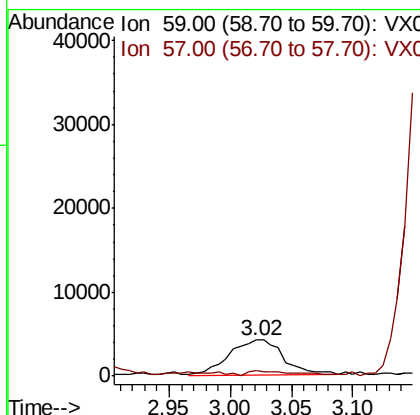
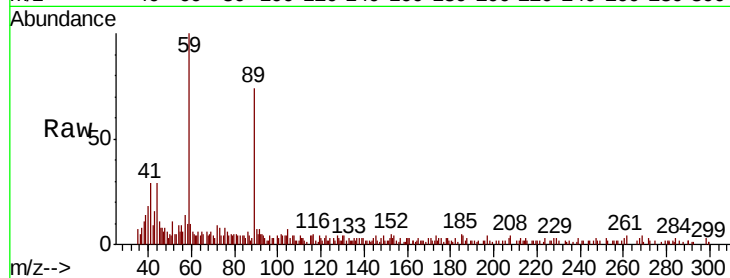


#11

Tert butyl alcohol  
Concen: 6.655 ug/l  
RT: 3.02 min Scan# 350  
Delta R.T. -0.01 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

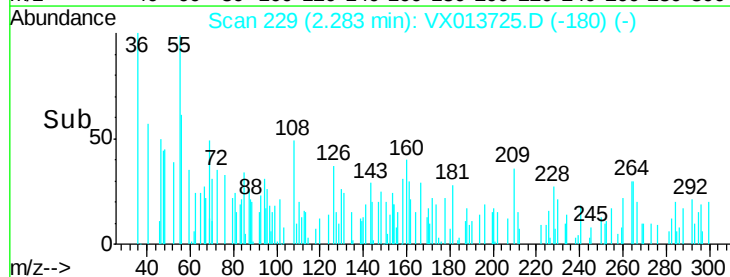
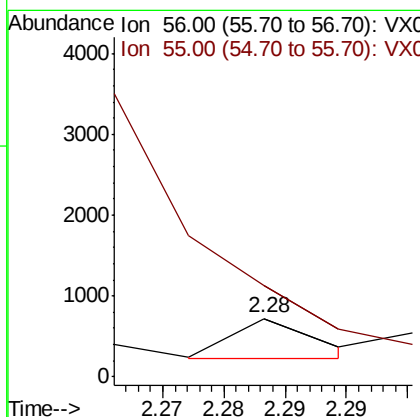
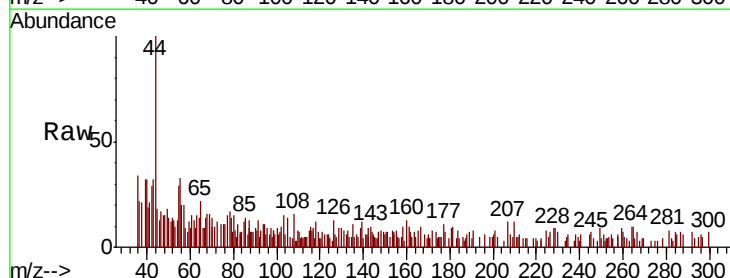
Tot Ion: 59 Resp: 12896  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#

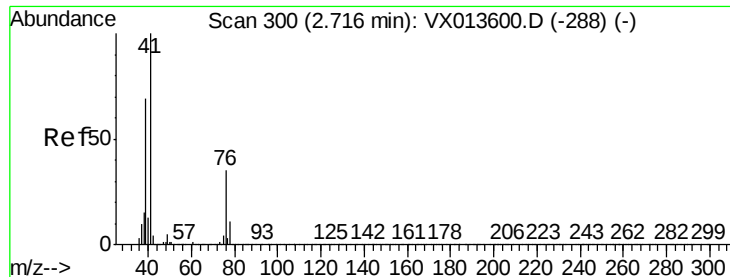


#13

Acrolein  
Concen: 6.178 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.00 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

Tgt Ion: 56 Resp: 231  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.2 84.4#

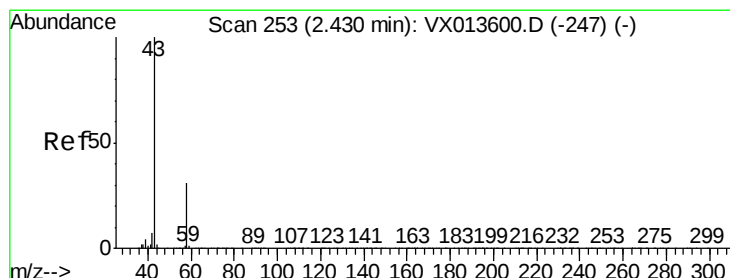
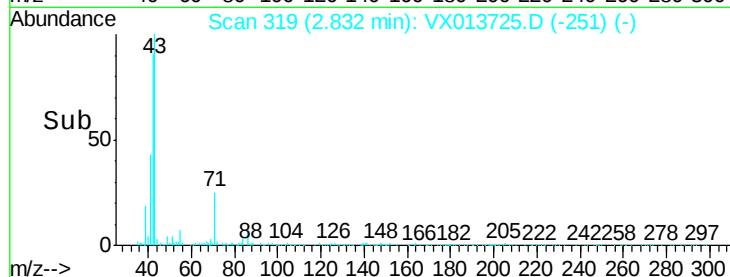
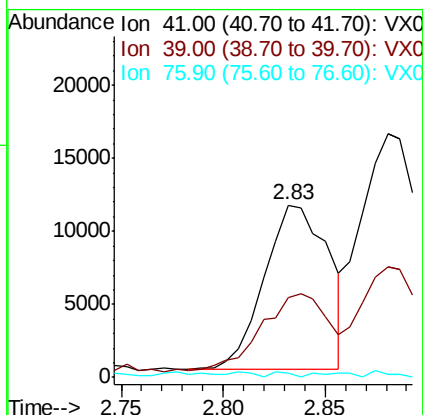
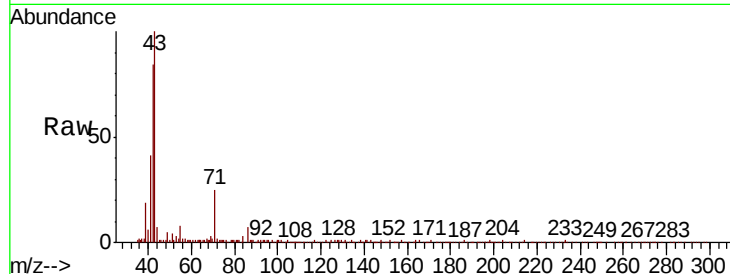




#14  
Allvl chloride  
Concen: 2.101 ug/l  
RT: 2.83 min Scan# 319  
Delta R.T. 0.12 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

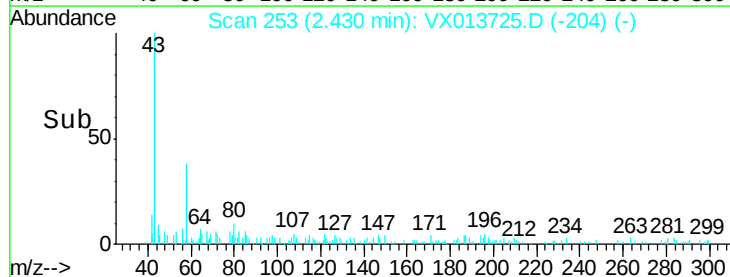
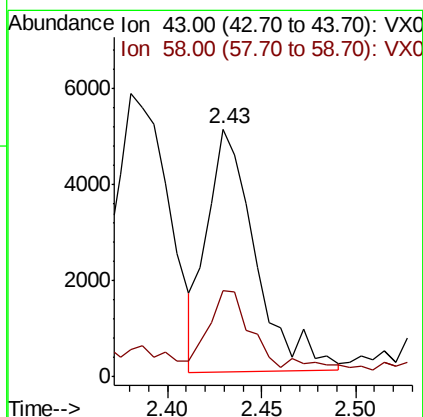
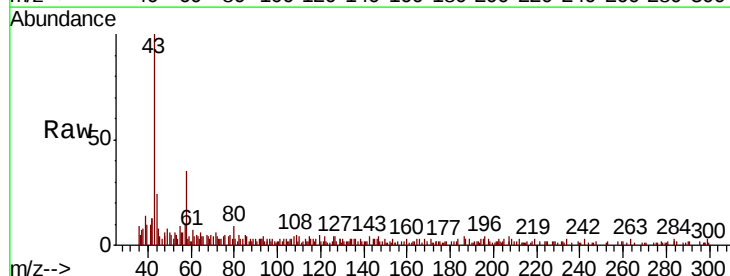
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

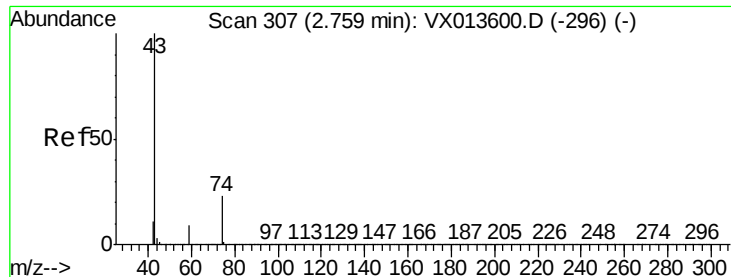
Tot Ion: 41 Resp: 24543  
Ion Ratio Lower Upper  
41 100  
39 48.1 51.7 77.5#  
76 1.6 25.9 38.9#



#16  
Acetone  
Concen: 2.327 ug/l  
RT: 2.43 min Scan# 253  
Delta R.T. 0.00 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

Tgt Ion: 43 Resp: 9018  
Ion Ratio Lower Upper  
43 100  
58 35.3 24.6 36.8

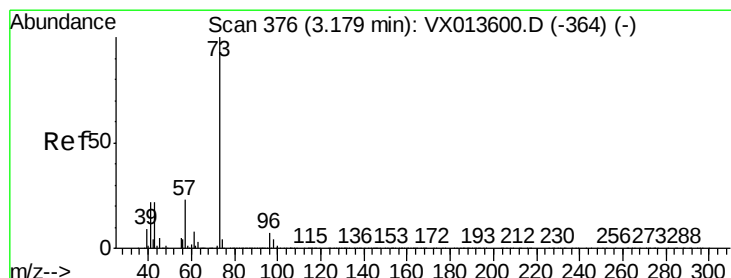
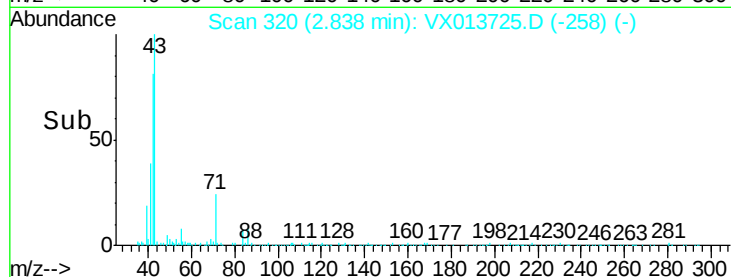
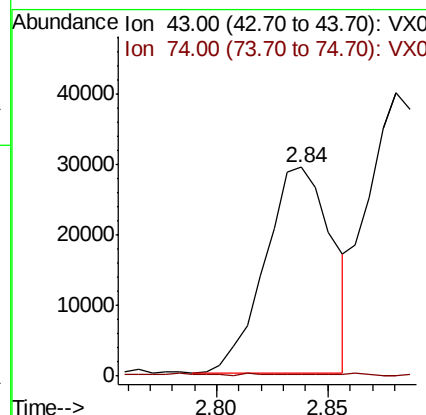
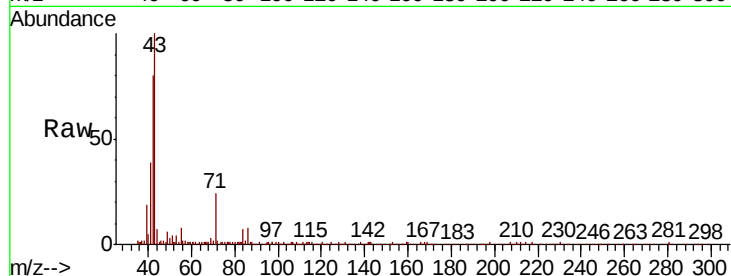




#18  
Methyl Acetate  
Concen: 5.640 ug/l  
RT: 2.84 min Scan# 320  
Delta R.T. 0.08 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

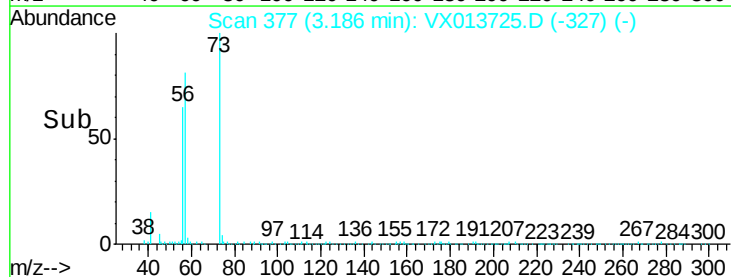
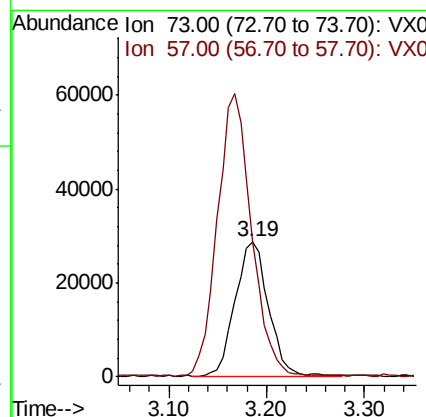
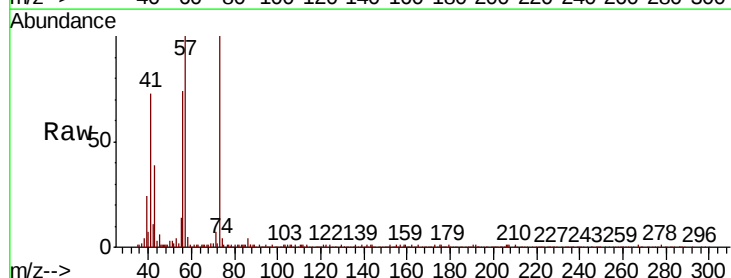
Instrument :  
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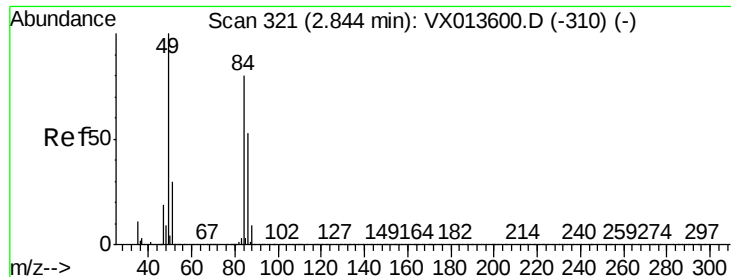
Tot Ion: 43 Resp: 60875  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.5 29.3#



#19  
Methyl tert-butyl Ether  
Concen: 3.157 ug/l  
RT: 3.19 min Scan# 377  
Delta R.T. 0.01 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

Tgt Ion: 73 Resp: 67308  
Ion Ratio Lower Upper  
73 100  
57 99.7 18.3 27.5#

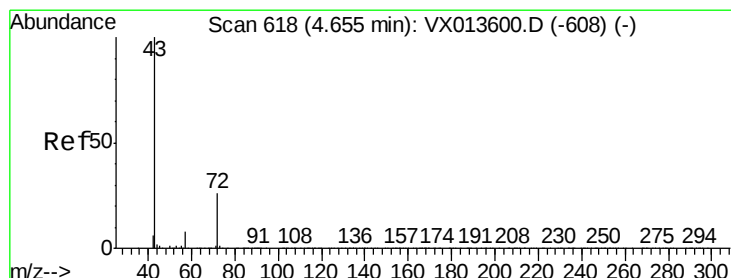
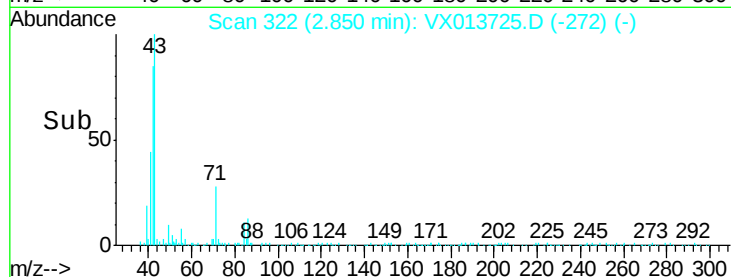
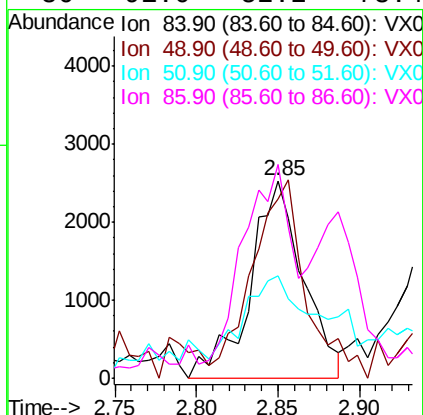
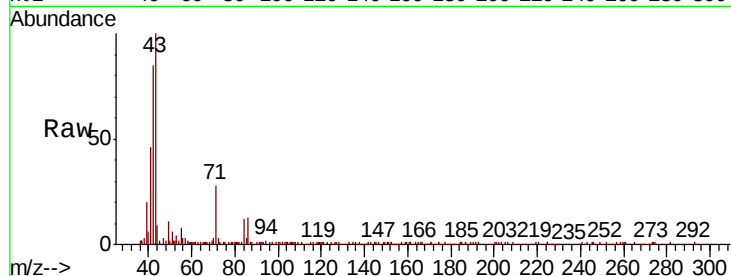




#20  
Methvlene Chloride  
Concen: 0.770 ug/l  
RT: 2.85 min Scan# 322  
Delta R.T. 0.01 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

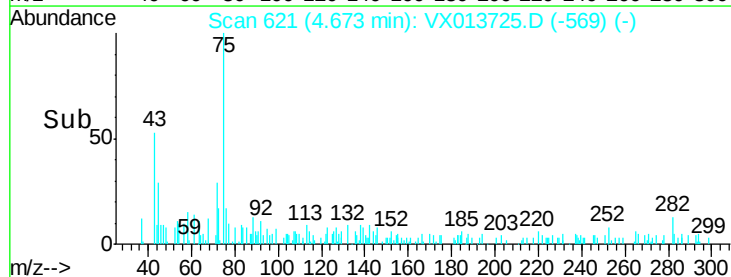
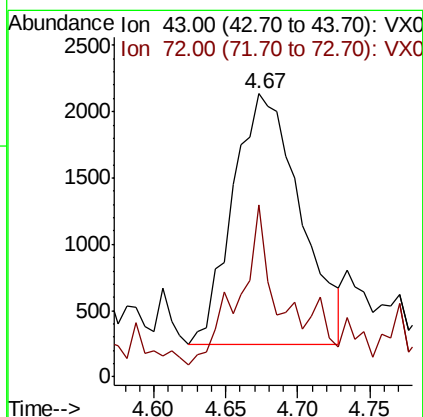
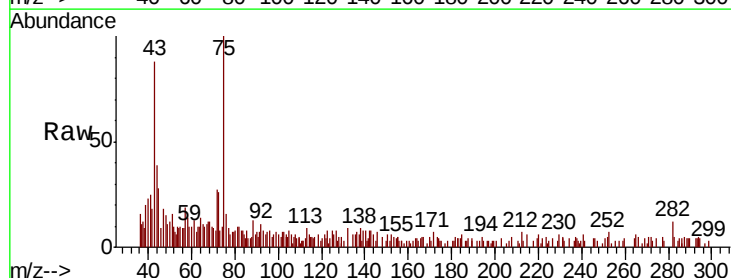
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

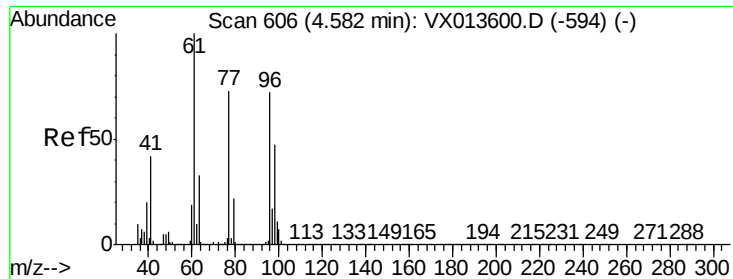
Tot Ion: 84 Resp: 5731  
Ion Ratio Lower Upper  
84 100  
49 77.9 99.7 149.5#  
51 32.0 29.9 44.9  
86 91.0 52.2 78.4#



#25  
2-Butanone  
Concen: 1.073 ug/l  
RT: 4.67 min Scan# 621  
Delta R.T. 0.02 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

Tgt Ion: 43 Resp: 6182  
Ion Ratio Lower Upper  
43 100  
72 63.6 20.6 31.0#



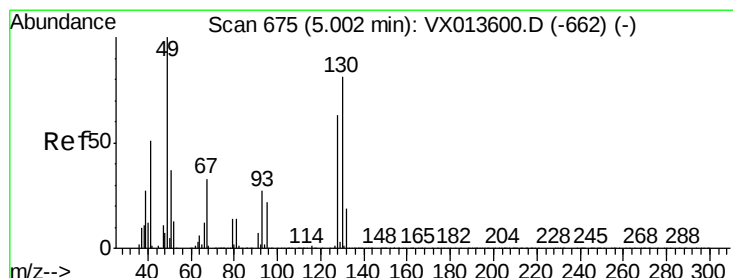
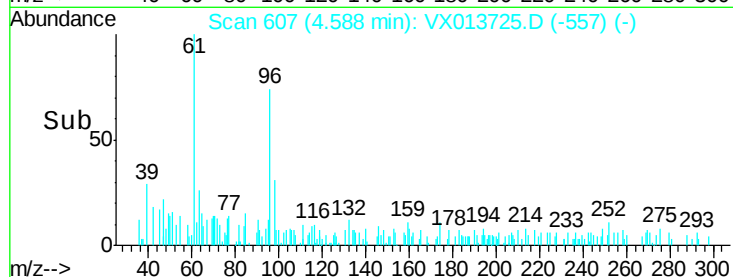
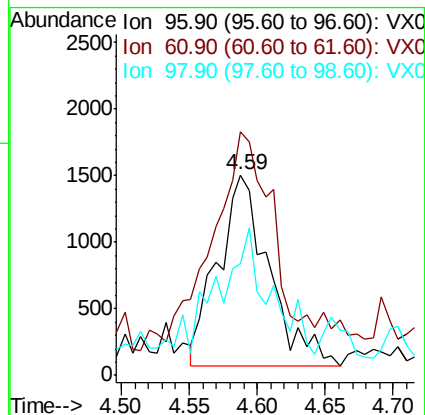
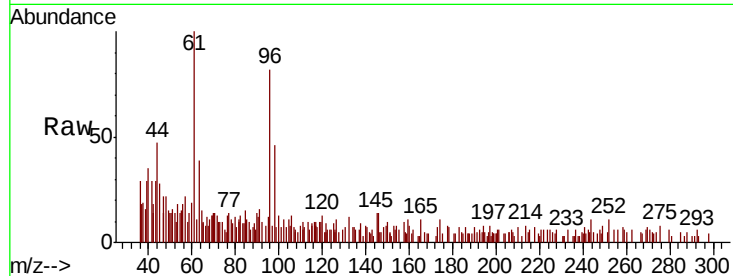


#27

cis-1,2-Dichloroethene  
Concen: 0.468 ug/l  
RT: 4.59 min Scan# 607  
Delta R.T. 0.01 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2DL

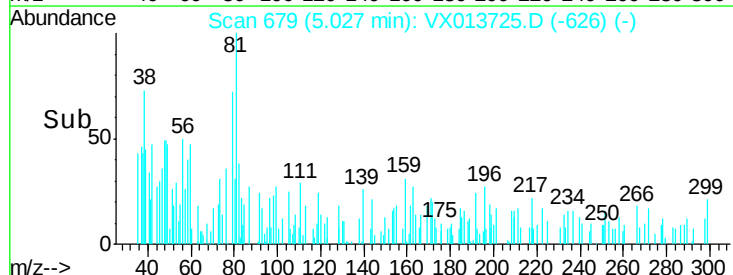
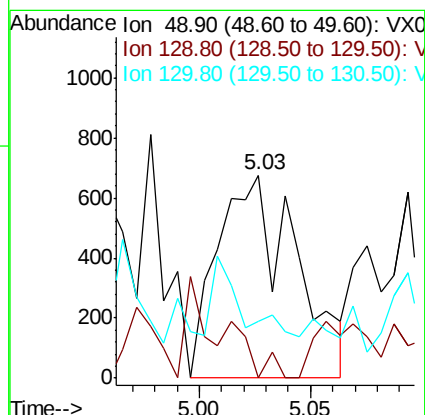
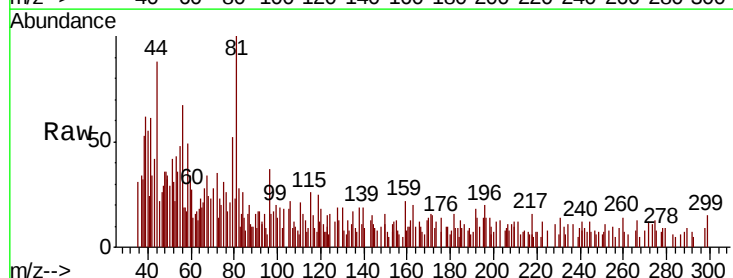
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 138.0 | 0.0   | 286.4 |
| 98      | 88.0  | 0.0   | 127.4 |

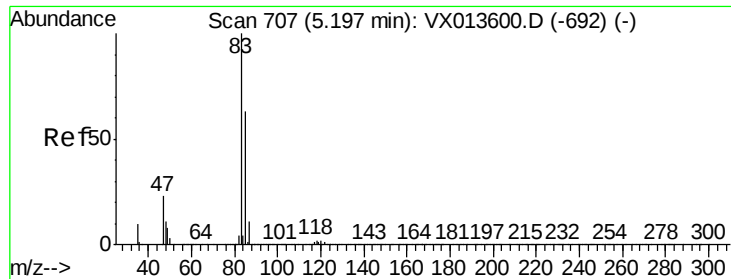


#28

Bromochloromethane  
Concen: 0.328 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. 0.02 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 5.0   |
| 130     | 0.0   | 65.4  | 98.0# |

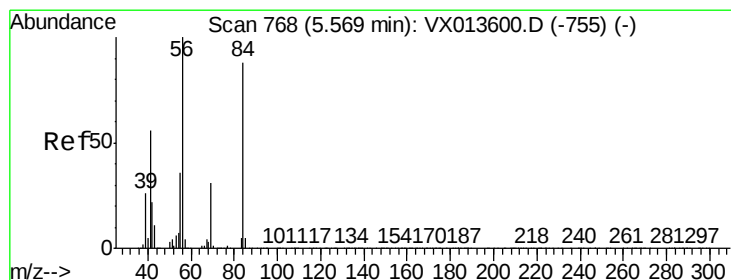
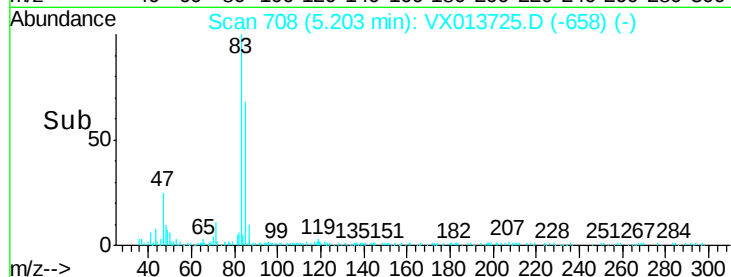
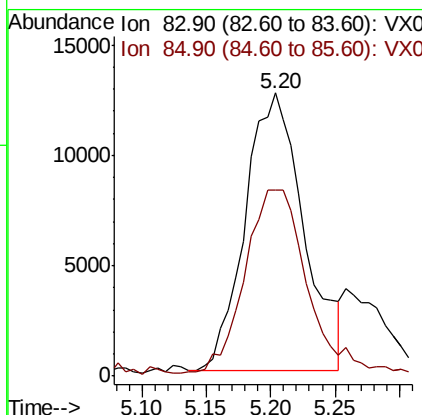
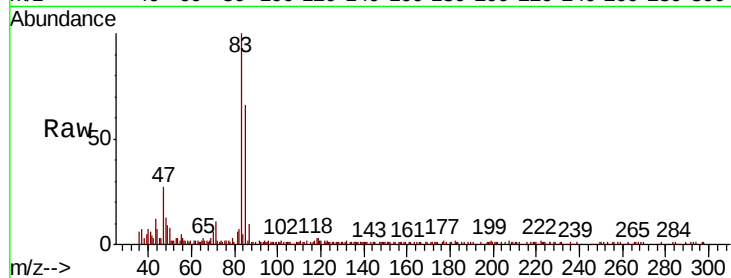




#30  
Chloroform  
Concen: 3.208 ug/l  
RT: 5.20 min Scan# 708  
Delta R.T. 0.01 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

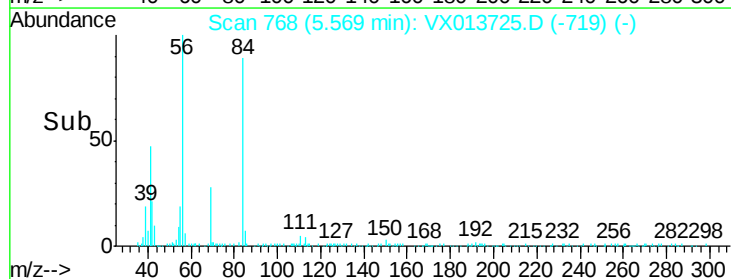
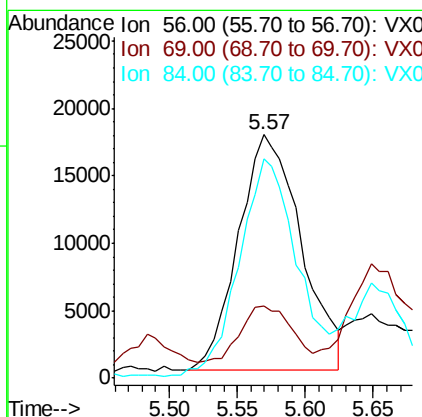
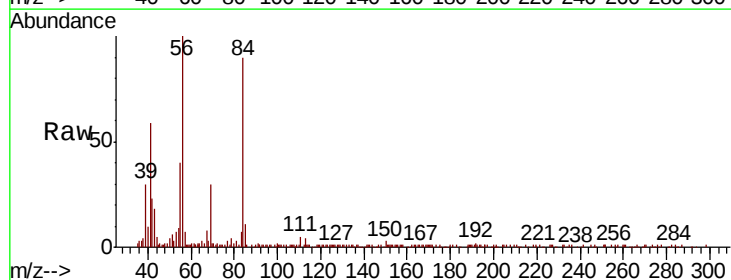
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

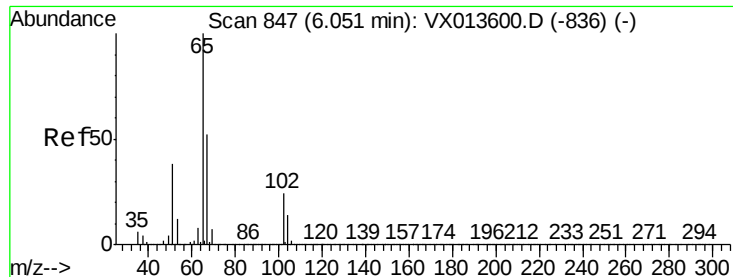
Tot Ion: 83 Resp: 40007  
Ion Ratio Lower Upper  
83 100  
85 65.7 50.2 75.4



#31  
Cyclohexane  
Concen: 4.859 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

Tgt Ion: 56 Resp: 56355  
Ion Ratio Lower Upper  
56 100  
69 22.8 24.6 36.8#  
84 89.0 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 46.751 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

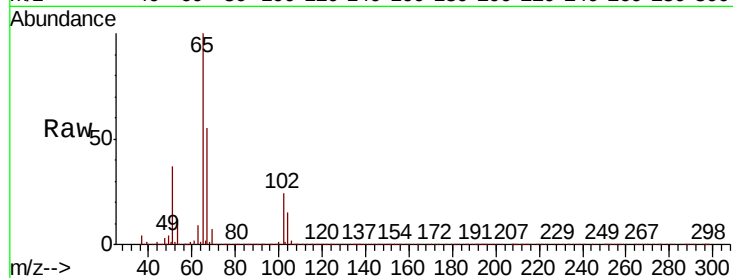
MW-2DL

Tot Ion: 65 Resp: 367041

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

150000

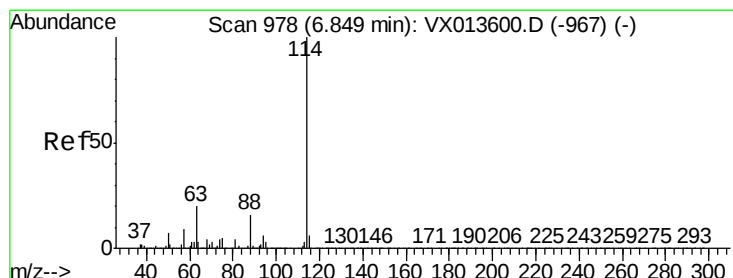
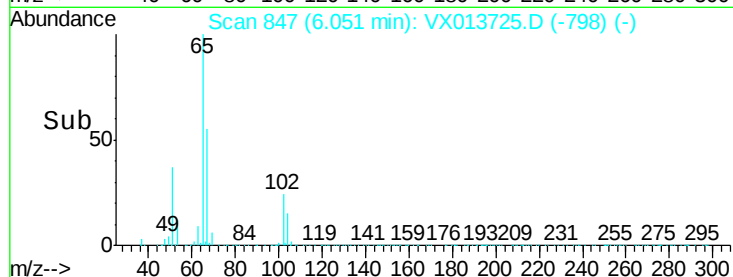
100000

50000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

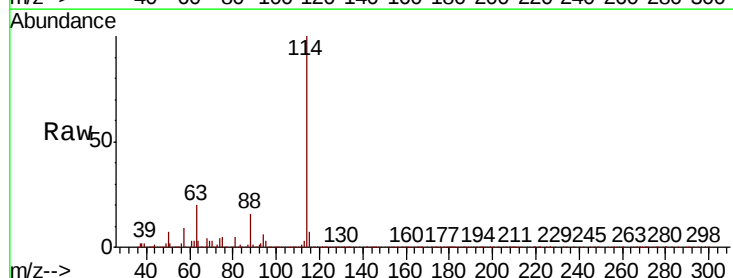
Tgt Ion: 114 Resp: 1027665

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 15.5 0.0 31.4



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

600000

500000

400000

300000

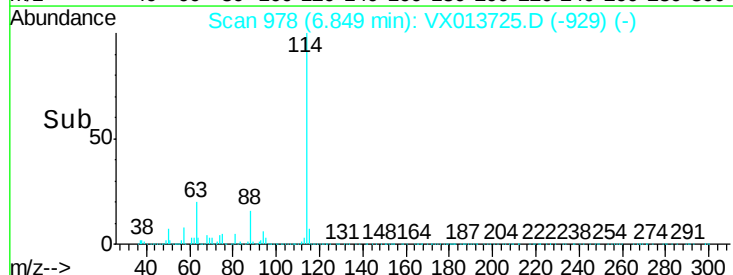
200000

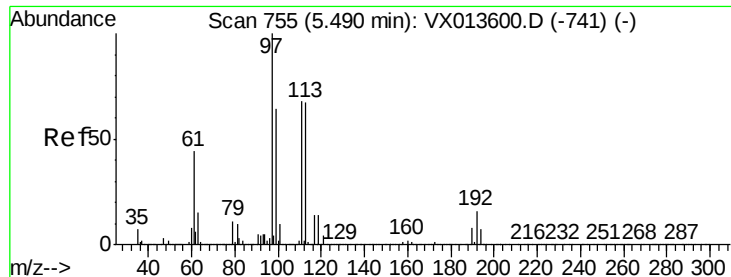
100000

0

6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 47.801 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

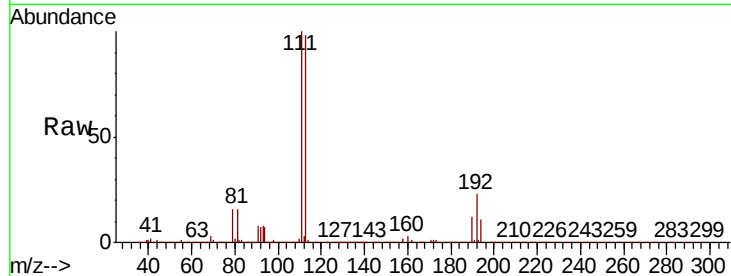
Tot Ion:113 Resp: 303690

Ion Ratio Lower Upper

113 100

111 103.2 83.6 125.4

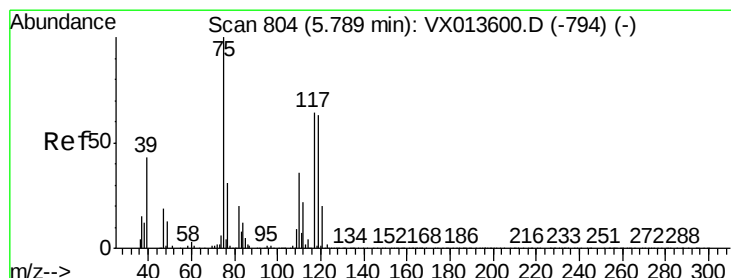
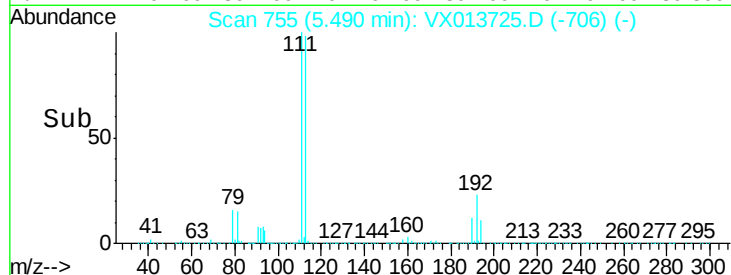
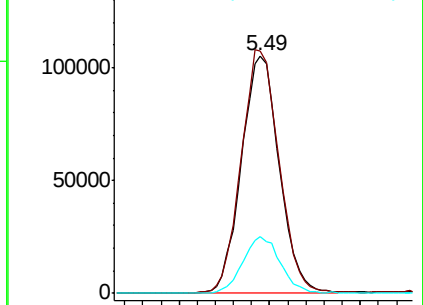
192 23.9 19.2 28.8



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: 4.797 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

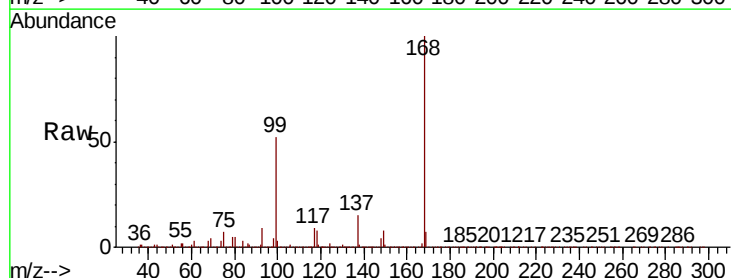
Tgt Ion: 75 Resp: 44745

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

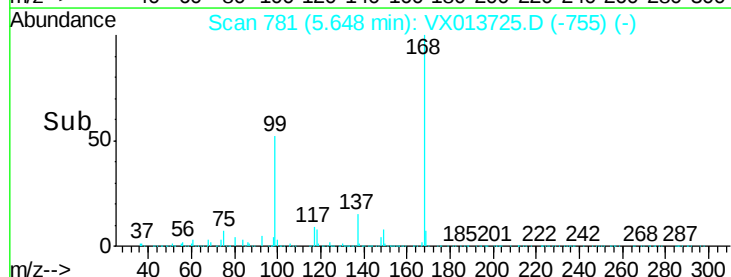
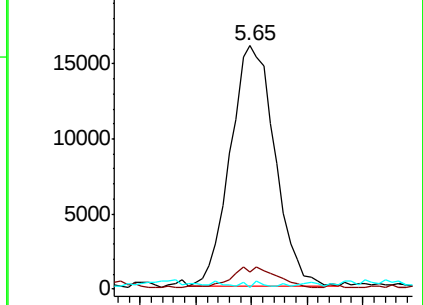
77 0.6 24.5 36.7#

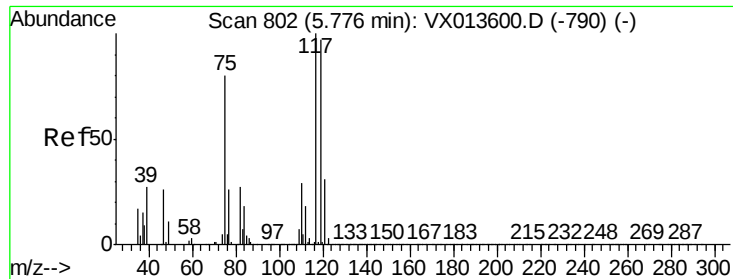


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.688 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampled :

MW-2DL

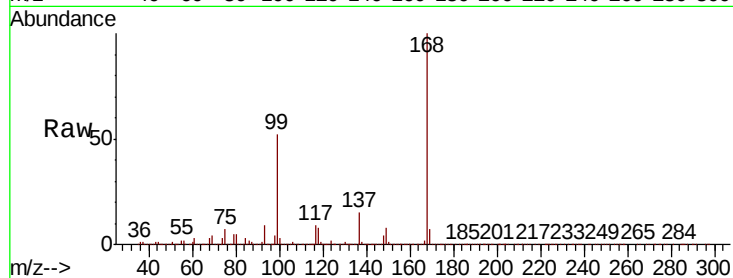
Tot Ion:117 Resp: 57527

Ion Ratio Lower Upper

117 100

119 6.6 77.5 116.3#

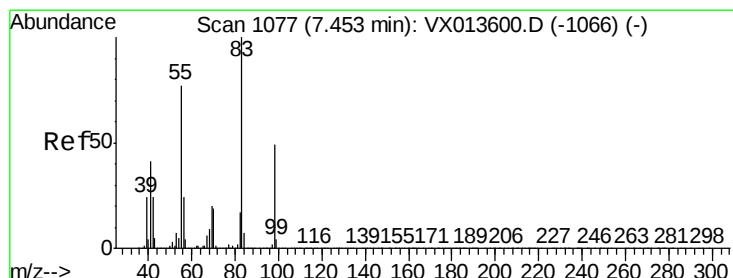
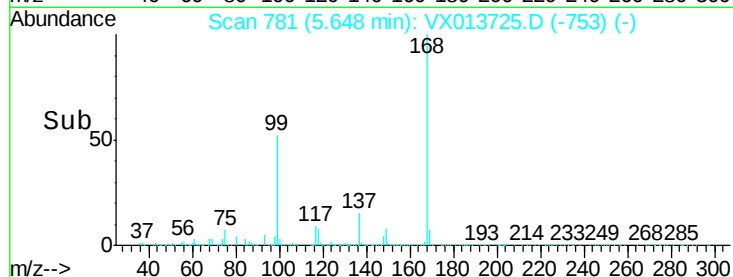
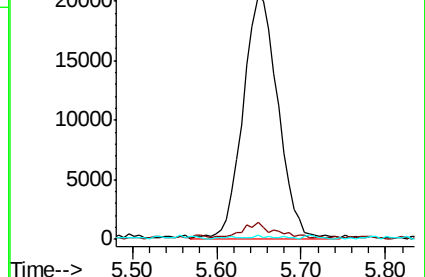
121 1.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 5.385 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

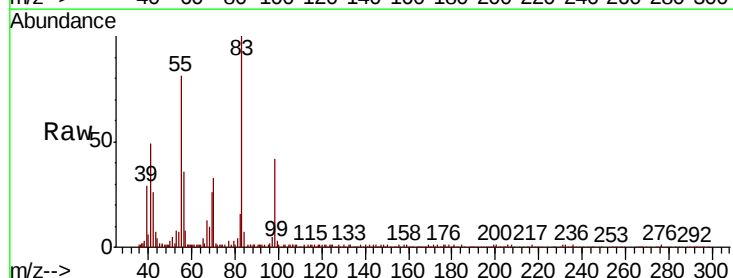
Tgt Ion: 83 Resp: 62089

Ion Ratio Lower Upper

83 100

55 79.3 61.9 92.9

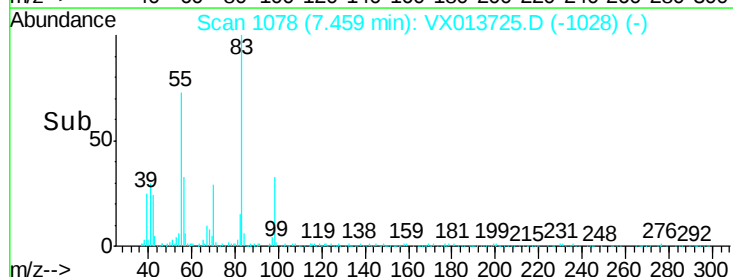
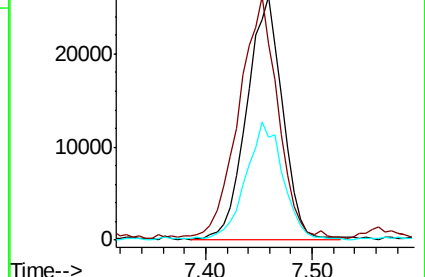
98 41.8 39.4 59.0

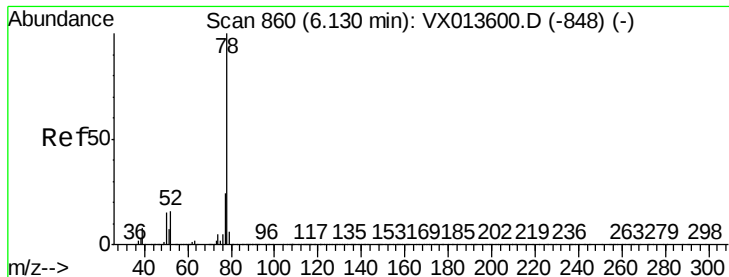


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 25.452 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

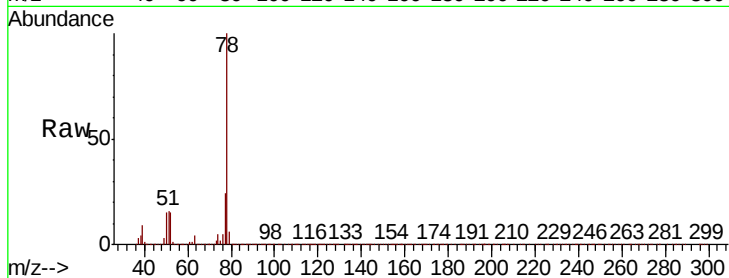
MW-2DL

Tot Ion: 78 Resp: 723134

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

300000

250000

200000

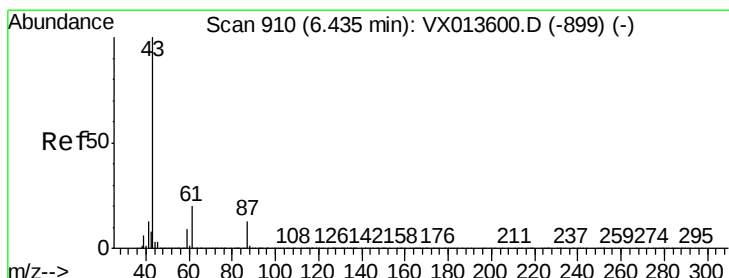
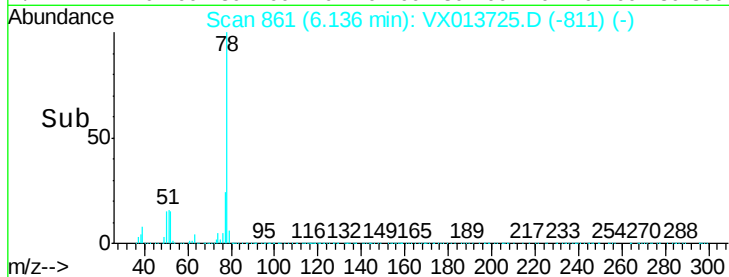
150000

100000

50000

0

Time-->



#43

Isopropyl Acetate

Concen: 2.988 ug/l

RT: 6.42 min Scan# 908

Delta R.T. -0.01 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

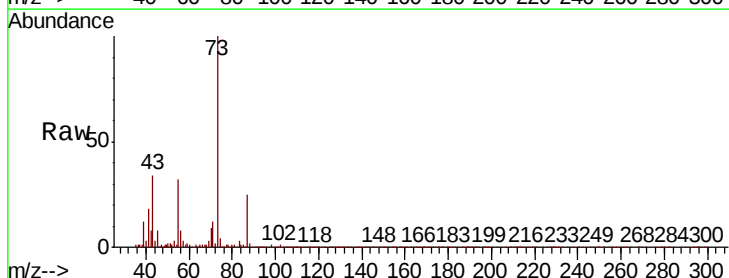
Tgt Ion: 43 Resp: 51486

Ion Ratio Lower Upper

43 100

61 0.0 16.3 24.5#

87 70.1 10.8 16.2#



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

20000

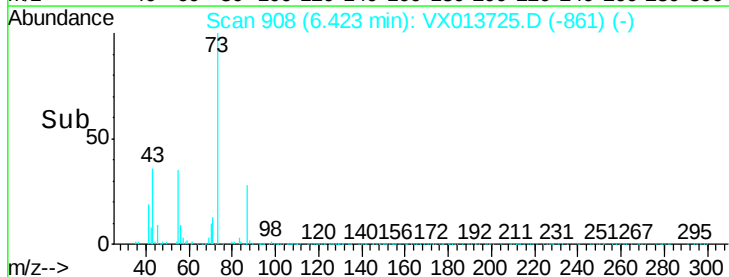
15000

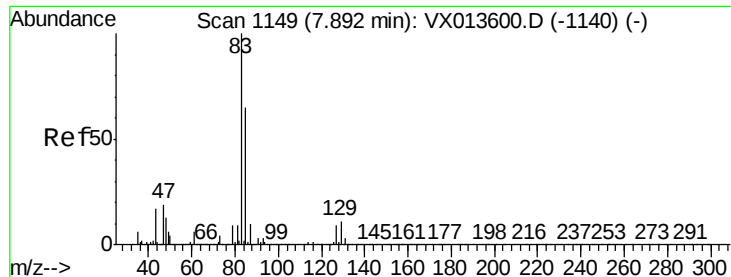
10000

5000

0

Time-->





#47

Bromodichloromethane

Concen: 0.434 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampled :

MW-2DL

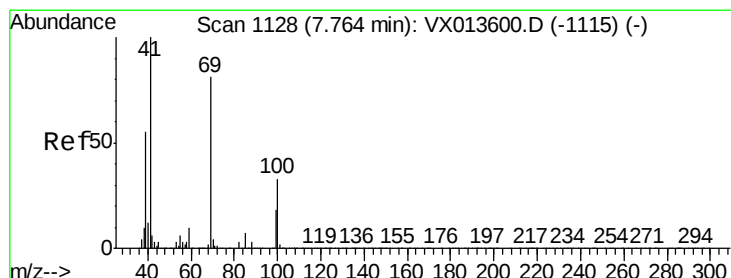
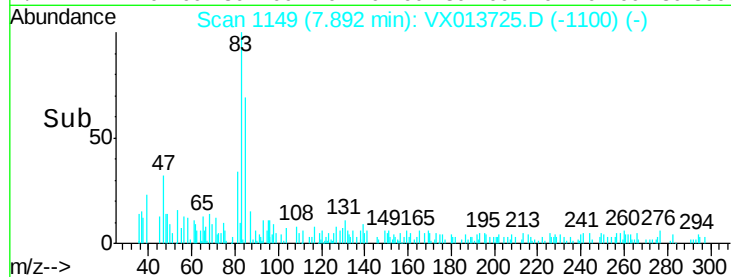
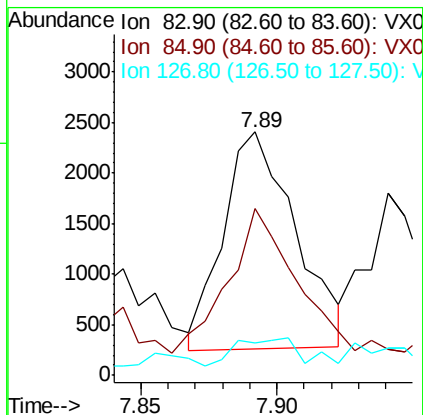
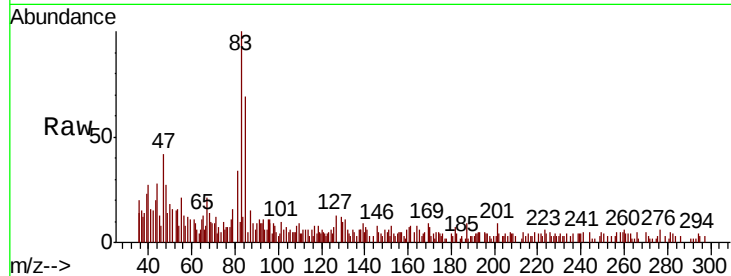
Tot Ion: 83 Resp: 3963

Ion Ratio Lower Upper

83 100

85 62.8 52.1 78.1

127 10.4 7.0 10.4



#48

Methyl methacrylate

Concen: 0.973 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

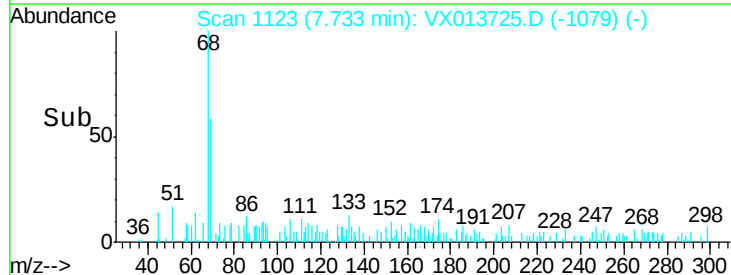
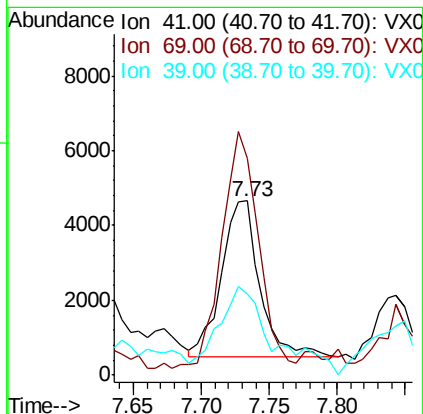
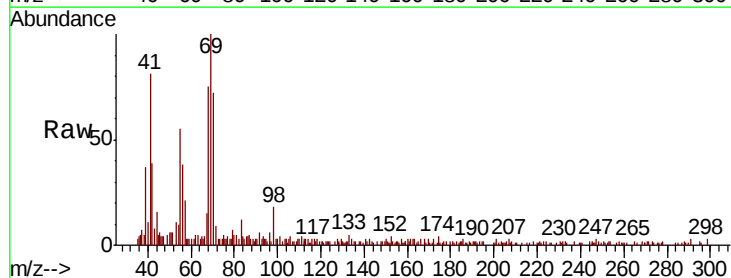
Tgt Ion: 41 Resp: 8148

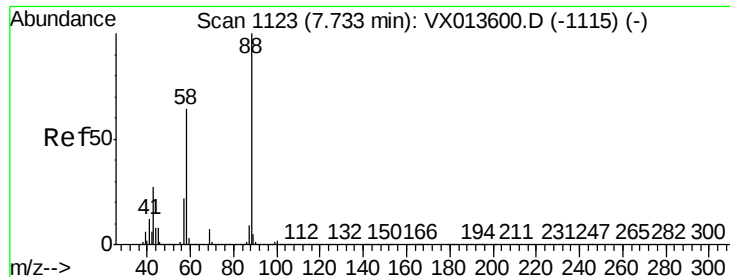
Ion Ratio Lower Upper

41 100

69 144.6 64.7 97.1#

39 52.5 43.8 65.6





#49

1,4-Dioxane

Concen: 4.445 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

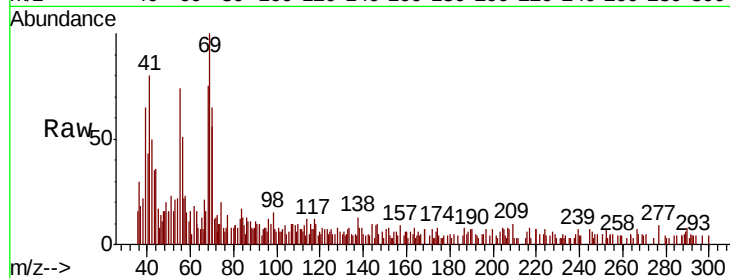
MSVOA\_X

ClientSampleId :

MW-2DL

Tot Ion: 88 Resp: 833

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 68.4  | 25.8  | 38.6# |
| 58  | 72.1  | 54.6  | 82.0  |

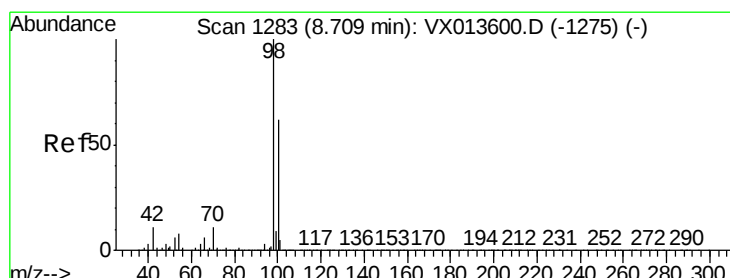
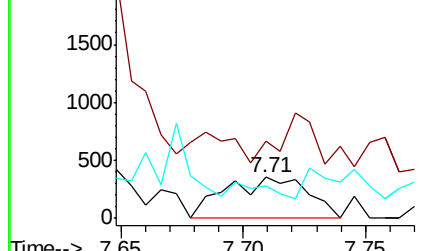
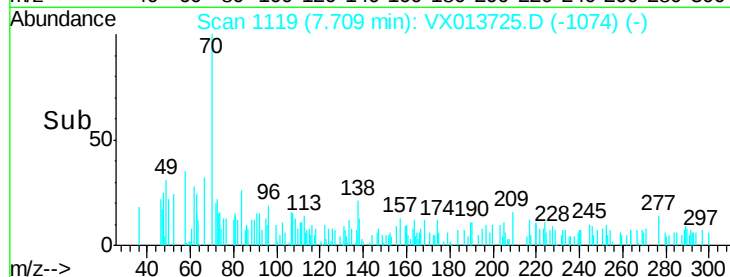


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->



#50

Toluene-d8

Concen: 49.440 ug/l

RT: 8.71 min Scan# 1283

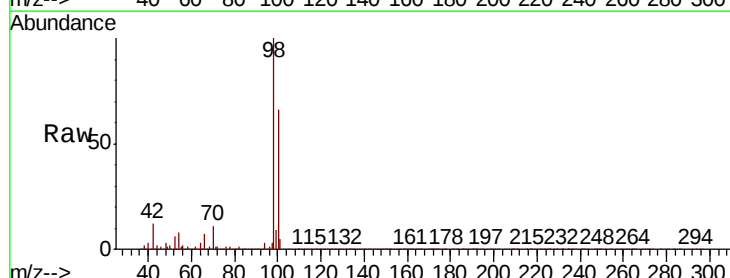
Delta R.T. 0.00 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Tgt Ion: 98 Resp: 1223774

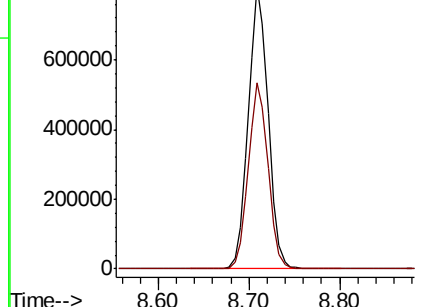
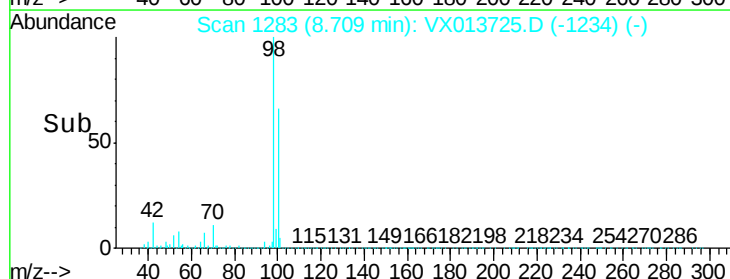
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 65.6  | 53.1  | 79.7  |

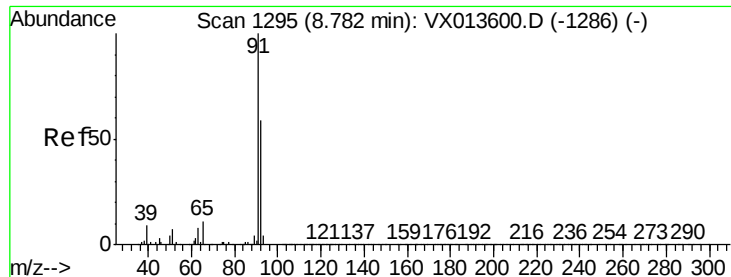


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Time-->





#52

Toluene

Concen: 3.045 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

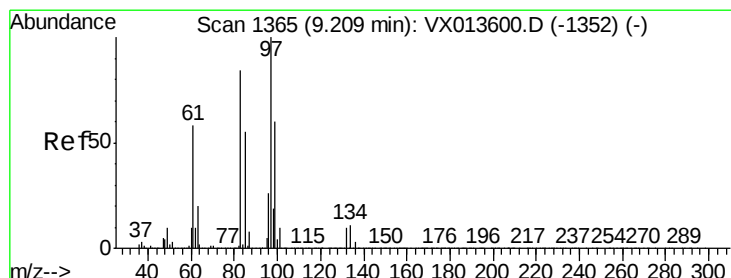
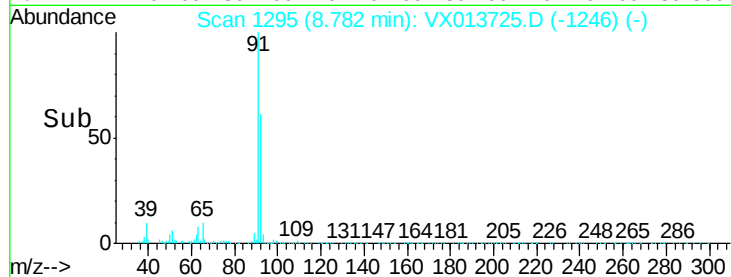
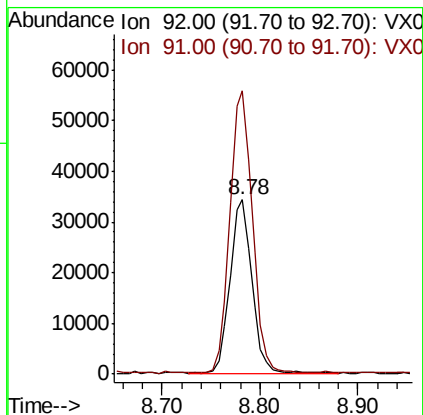
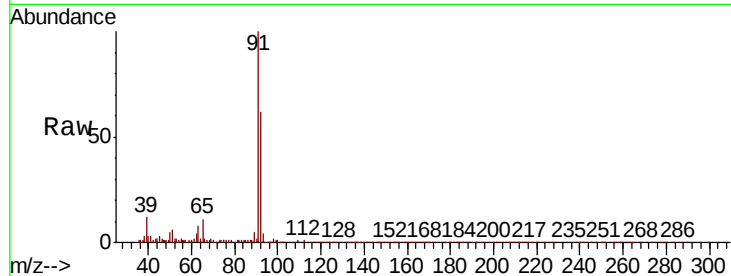
MW-2DL

Tot Ion: 92 Resp: 53750

Ion Ratio Lower Upper

92 100

91 165.4 136.2 204.2



#55

1,1,2-Trichloroethane

Concen: 2.758 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.05 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Tgt Ion: 97 Resp: 19618

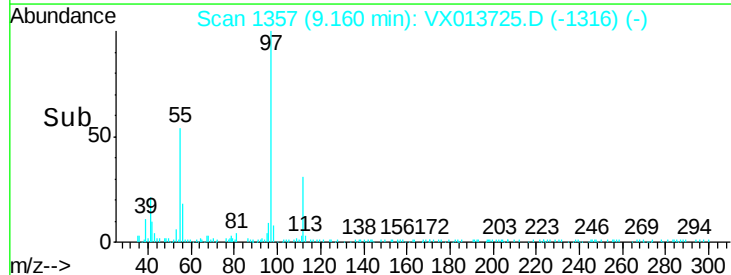
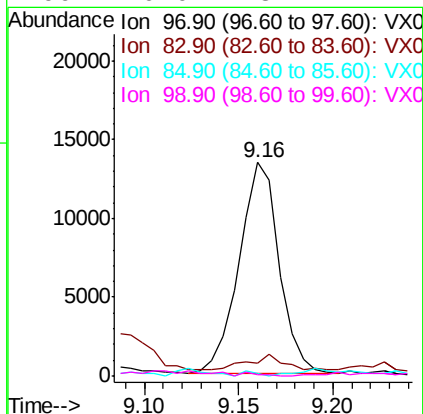
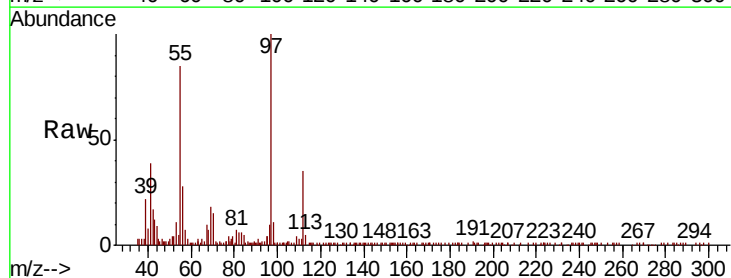
Ion Ratio Lower Upper

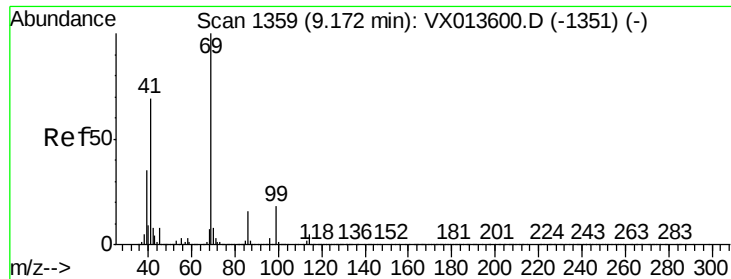
97 100

83 3.5 67.3 100.9#

85 0.0 43.6 65.4#

99 0.0 48.2 72.4#





#56

Ethyl methacrylate

Concen: 0.494 ug/l

RT: 9.15 min Scan# 1356

Delta R.T. -0.02 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

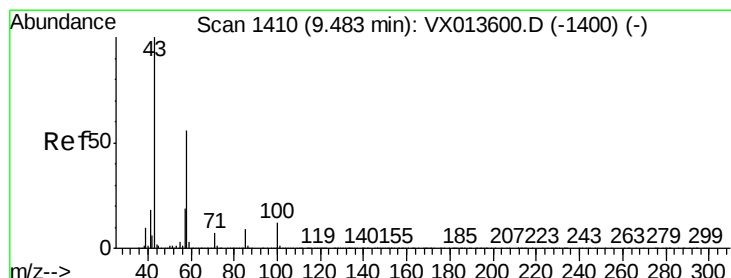
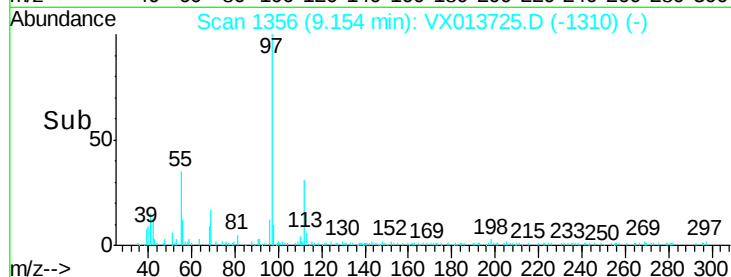
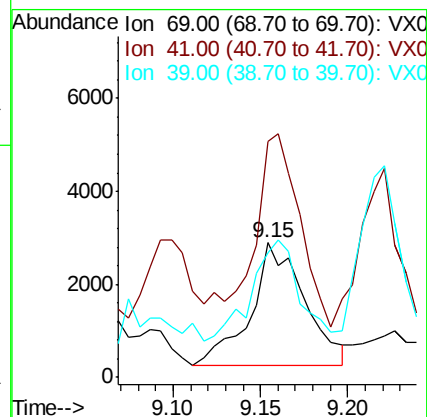
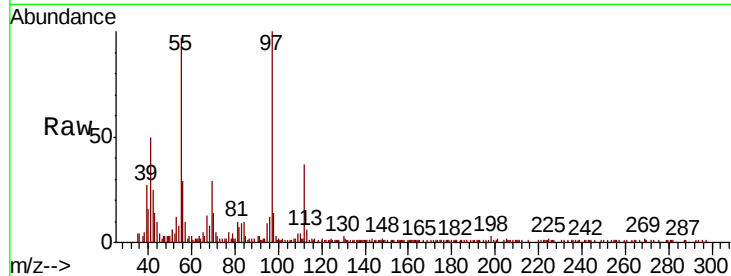
Tot Ion: 69 Resp: 5648

Ion Ratio Lower Upper

69 100

41 125.9 55.0 82.4#

39 72.9 28.7 43.1#



#59

2-Hexanone

Concen: 0.251 ug/l

RT: 9.51 min Scan# 1414

Delta R.T. 0.02 min

Lab File: VX013725.D

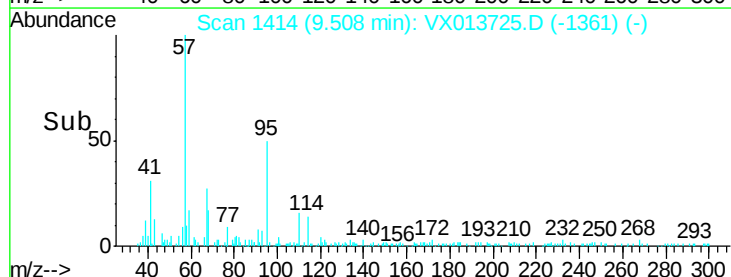
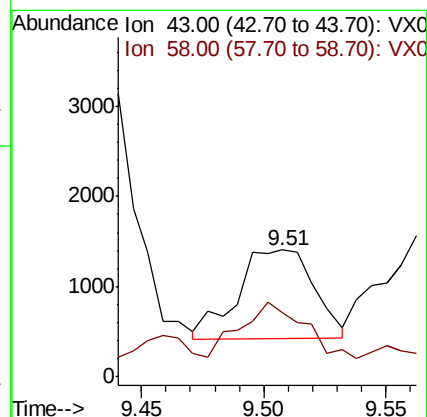
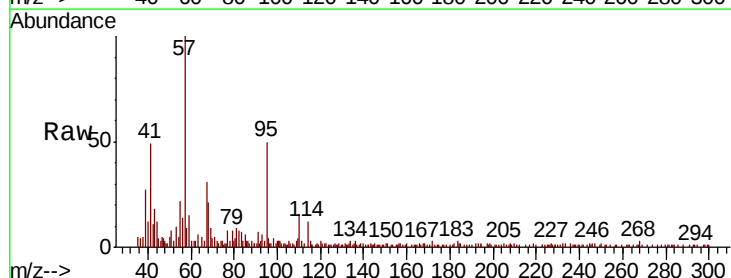
Acq: 03 Dec 2019 15:24

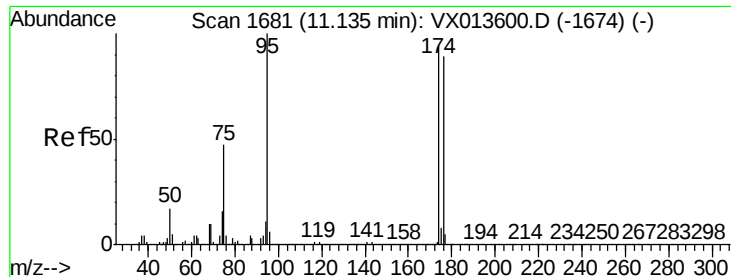
Tgt Ion: 43 Resp: 2125

Ion Ratio Lower Upper

43 100

58 64.9 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 47.847 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

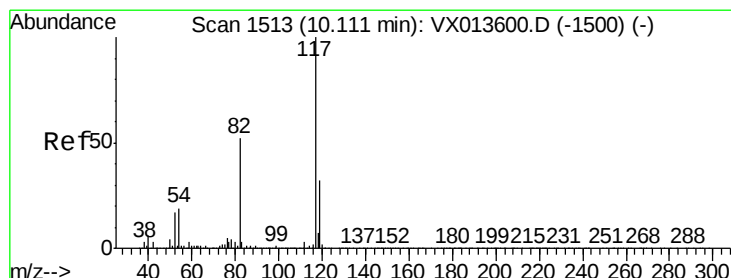
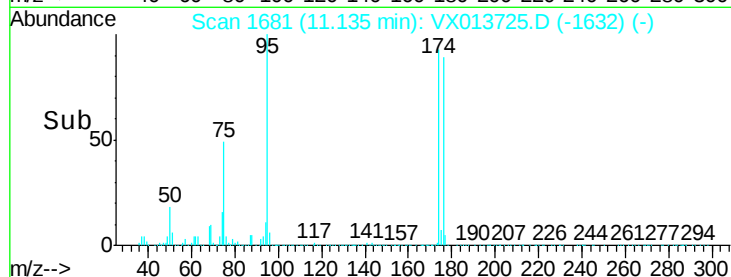
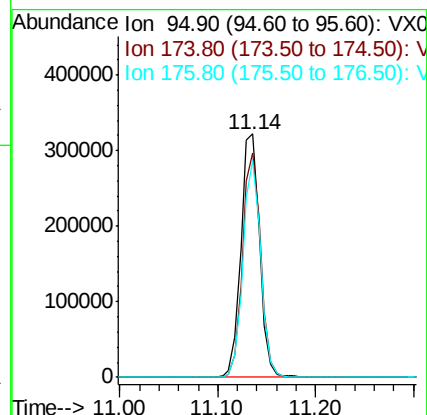
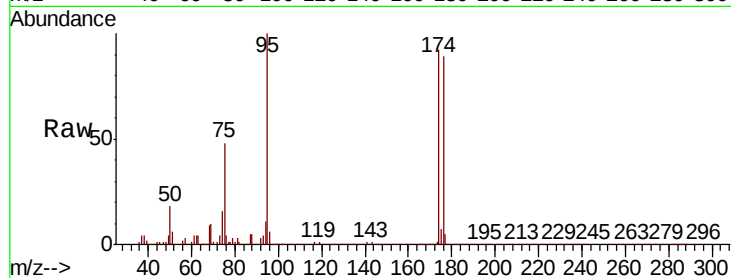
Tot Ion: 95 Resp: 427075

Ion Ratio Lower Upper

95 100

174 89.7 0.0 180.0

176 84.6 0.0 173.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

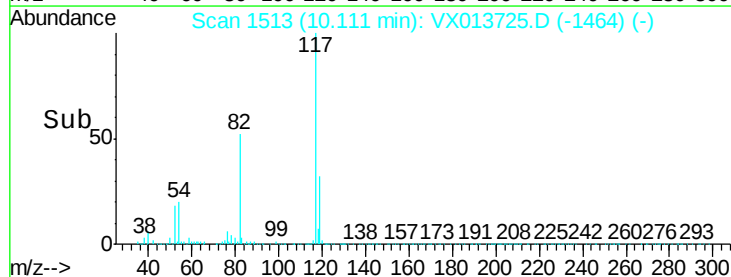
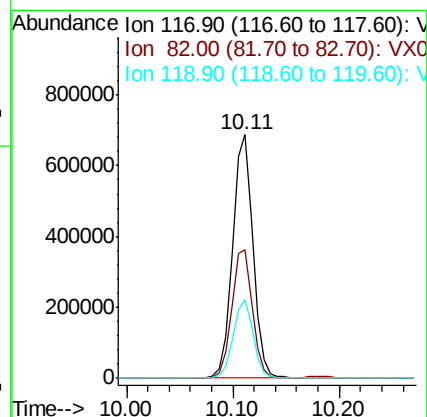
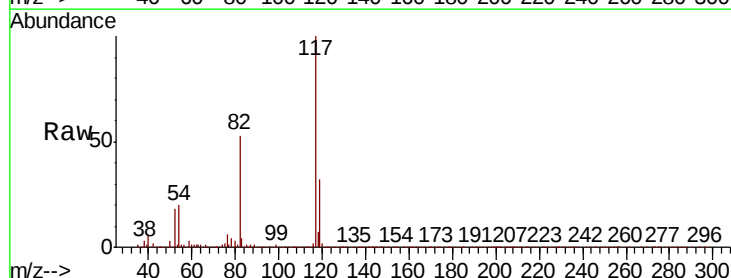
Tgt Ion: 117 Resp: 920895

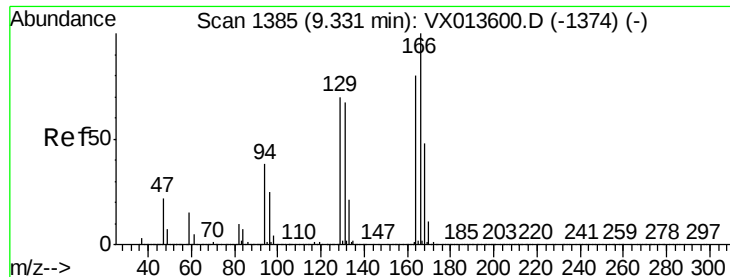
Ion Ratio Lower Upper

117 100

82 52.6 41.8 62.8

119 32.5 25.8 38.8





#64

Tetrachloroethene

Concen: 0.312 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

Tot Ion:164 Resp: 2146

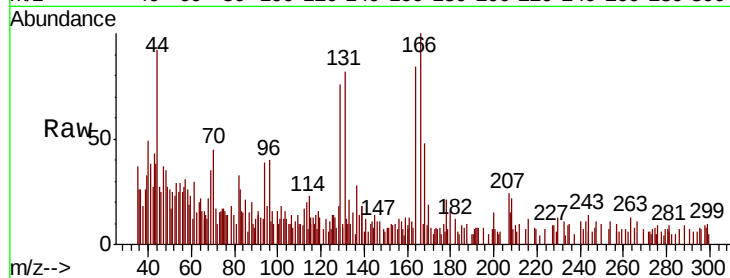
Ion Ratio Lower Upper

164 100

166 110.3 99.7 149.5

129 83.4 70.1 105.1

131 86.1 66.9 100.3

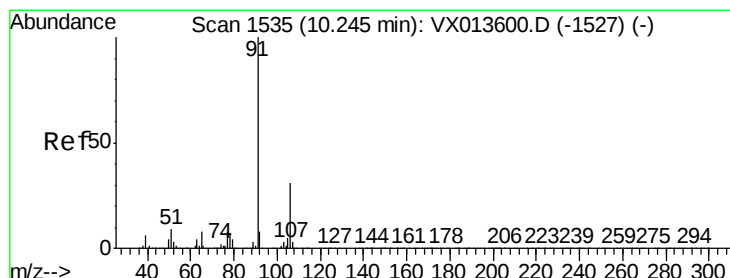
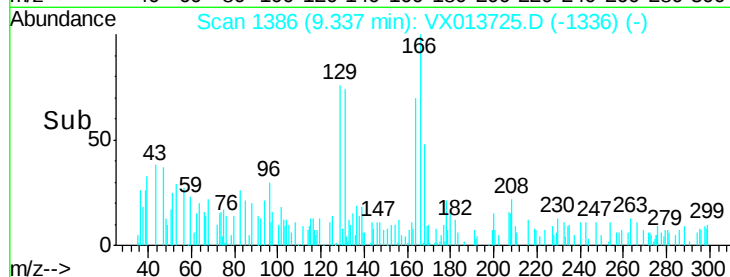
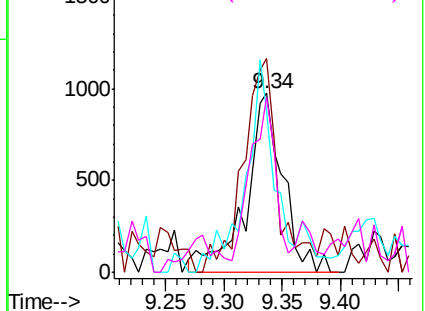


Abundance Ion 163.80 (163.50 to 164.50): V

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



#67

Ethyl Benzene

Concen: 46.219 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013725.D

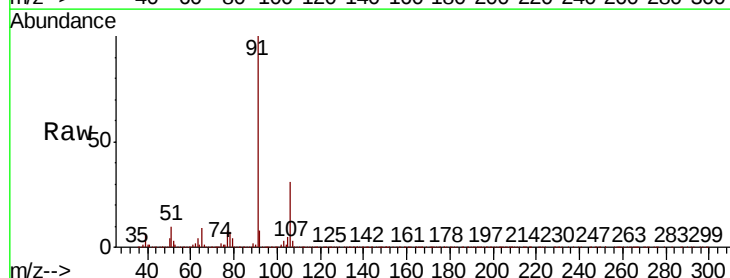
Acq: 03 Dec 2019 15:24

Tgt Ion: 91 Resp: 1518533

Ion Ratio Lower Upper

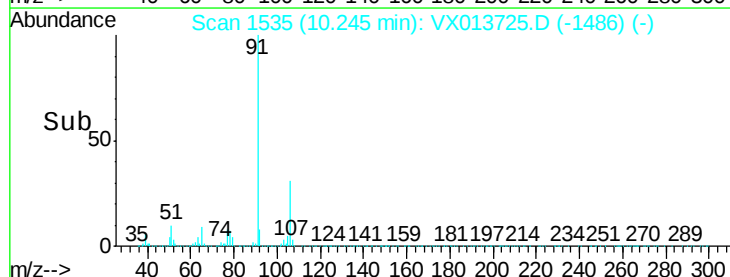
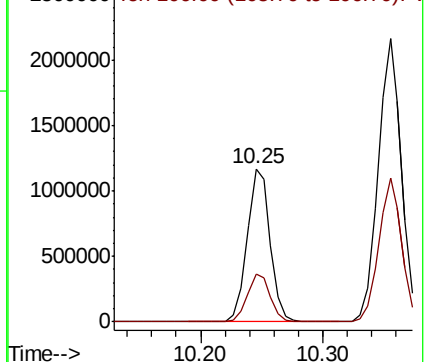
91 100

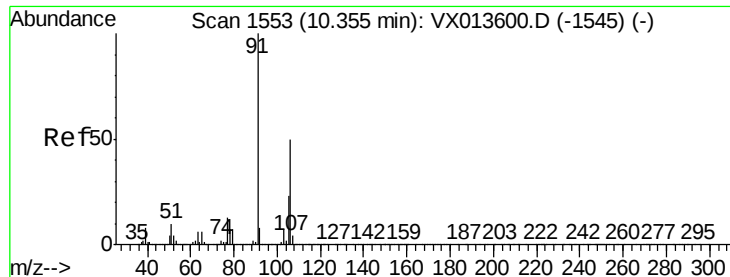
106 31.4 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

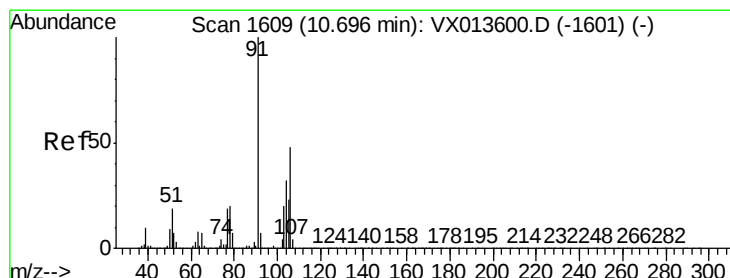
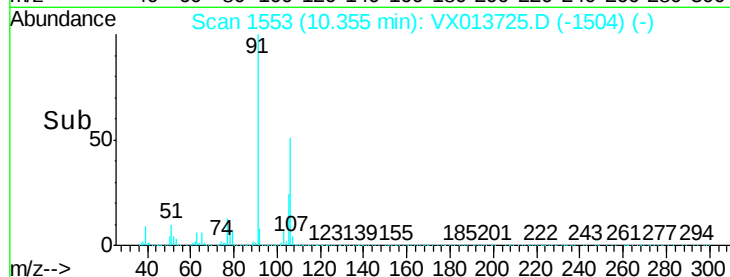
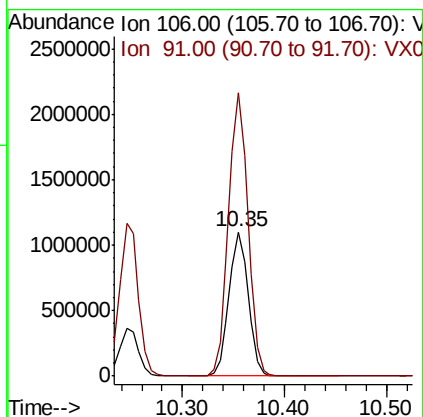
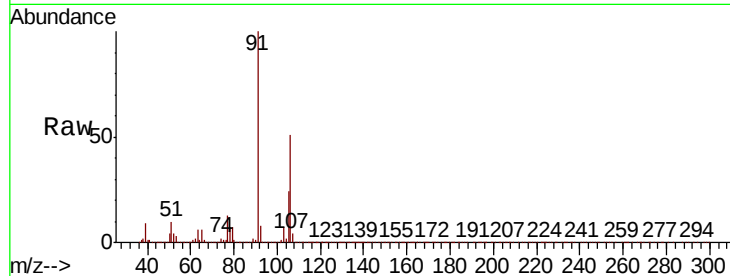




#68  
m/p-Xylenes  
Concen: 114.130 ug/l  
RT: 10.35 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

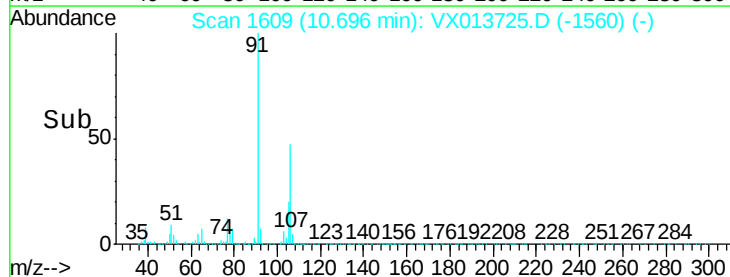
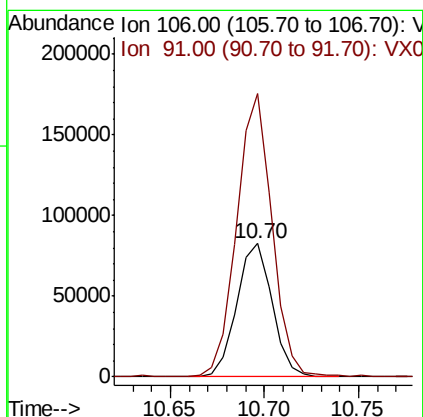
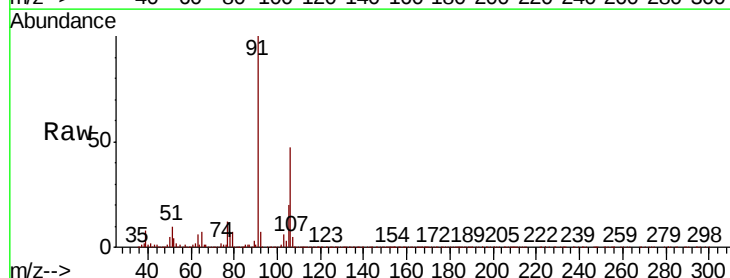
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

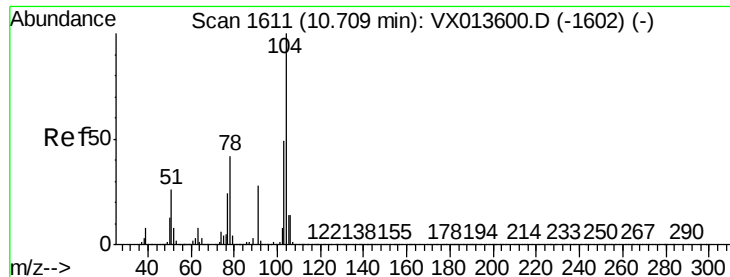
Tot Ion:106 Resp: 1435604  
Ion Ratio Lower Upper  
106 100  
91 198.4 159.0 238.4



#69  
o-Xylene  
Concen: 8.721 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

Tgt Ion:106 Resp: 106988  
Ion Ratio Lower Upper  
106 100  
91 211.2 104.1 312.2





#70

Stvrene

Concen: 0.319 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.01 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

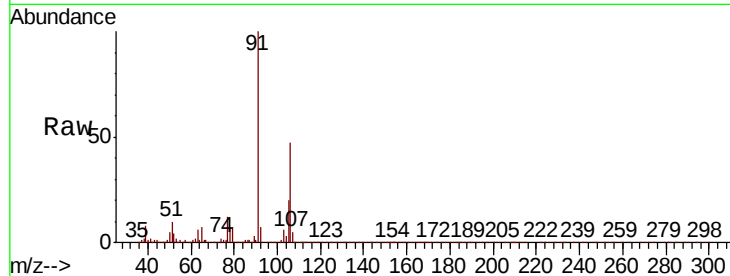
Tot Ion:104 Resp: 6583

Ion Ratio Lower Upper

104 100

78 250.4 38.5 57.7#

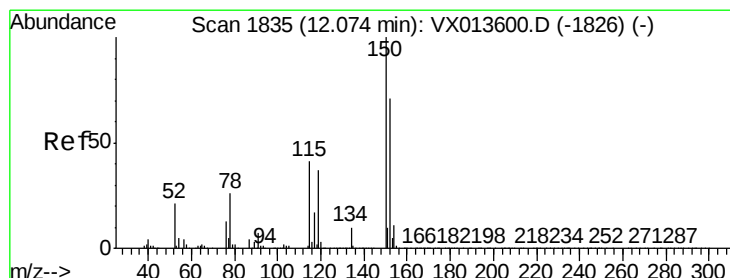
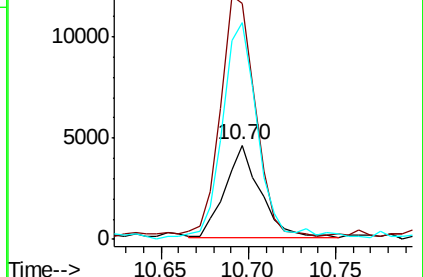
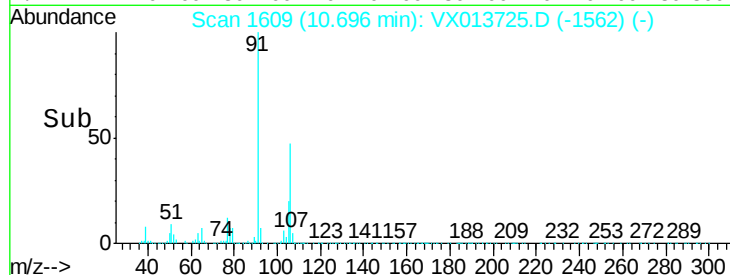
103 225.9 43.7 65.5#



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

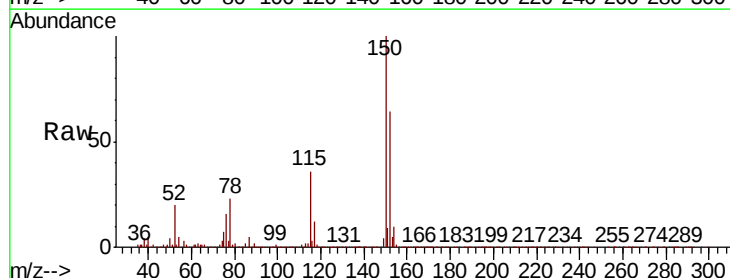
Tgt Ion:152 Resp: 439940

Ion Ratio Lower Upper

152 100

115 55.4 38.4 115.1

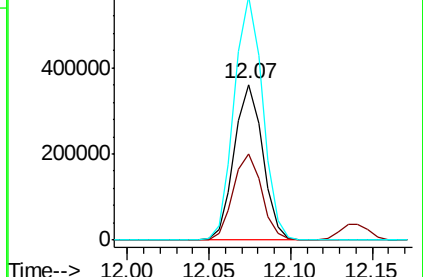
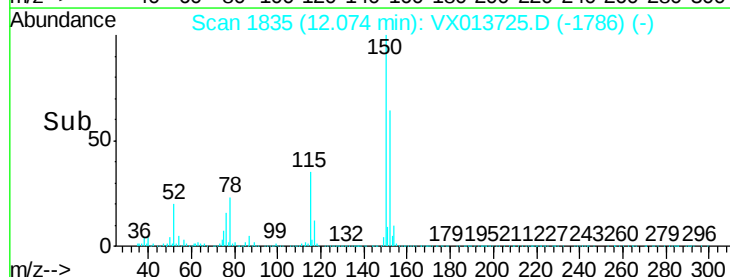
150 157.1 0.0 346.8

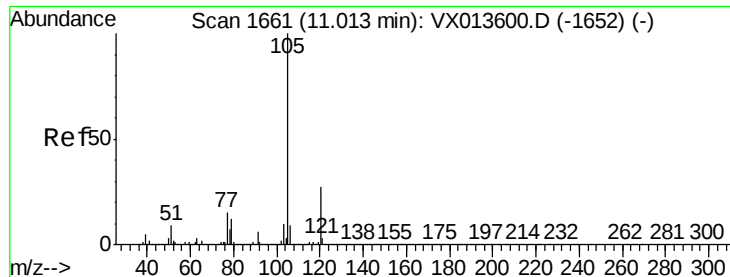


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.917 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

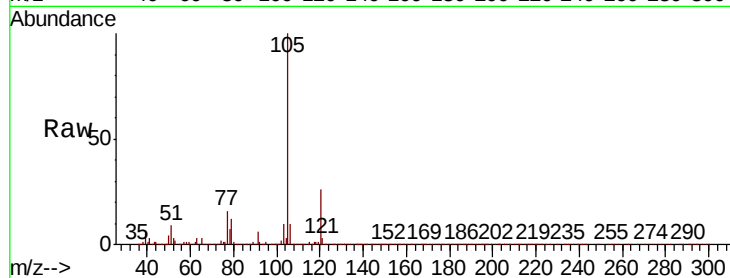
MW-2DL

Tot Ion:105 Resp: 213449

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

200000

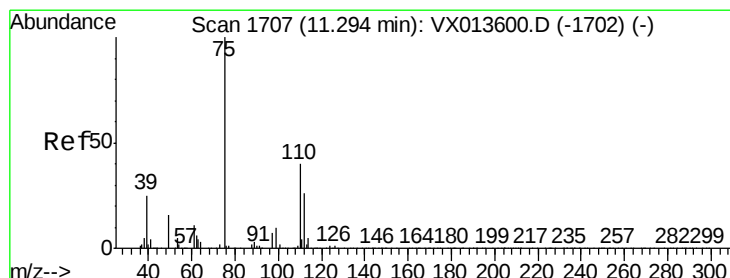
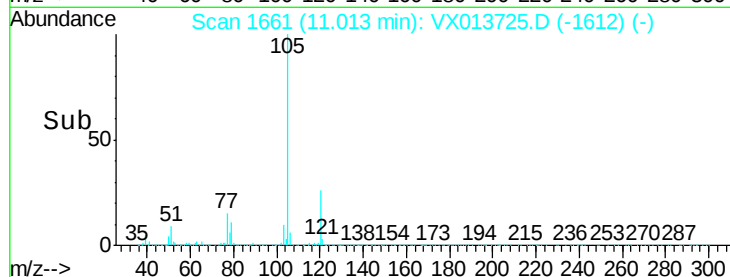
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 0.635 ug/l

RT: 11.45 min Scan# 1732

Delta R.T. 0.15 min

Lab File: VX013725.D

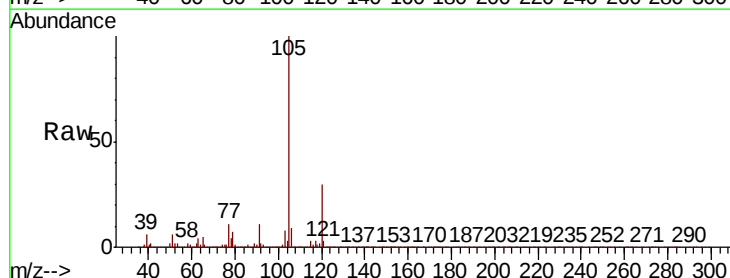
Acq: 03 Dec 2019 15:24

Tgt Ion: 75 Resp: 6281

Ion Ratio Lower Upper

75 100

77 1231.8 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

40000

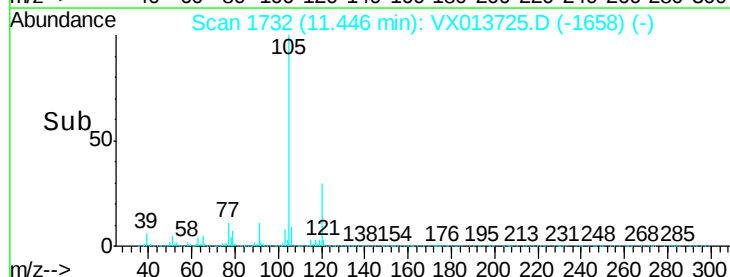
30000

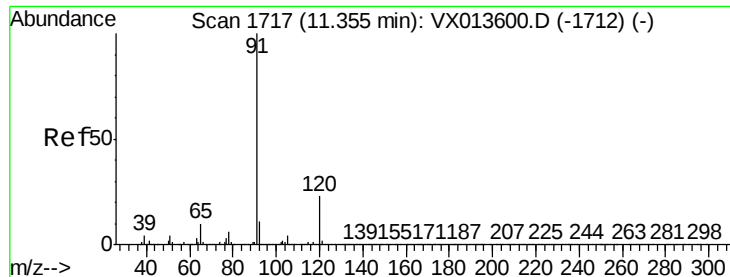
20000

10000

0

Time-->





#78

n-propylbenzene

Concen: 11.774 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

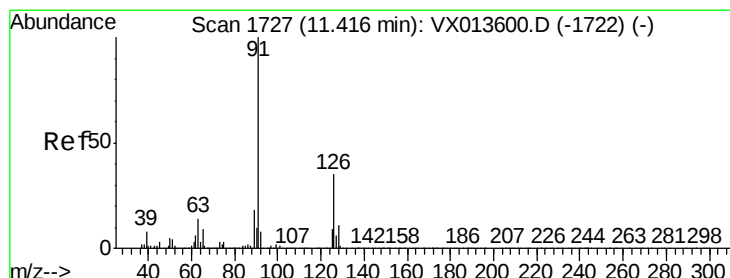
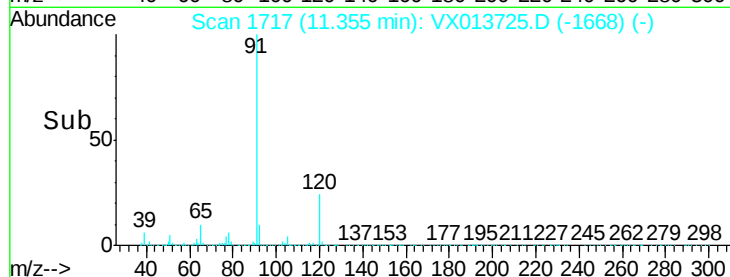
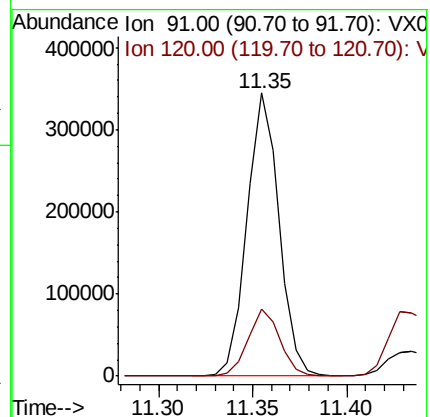
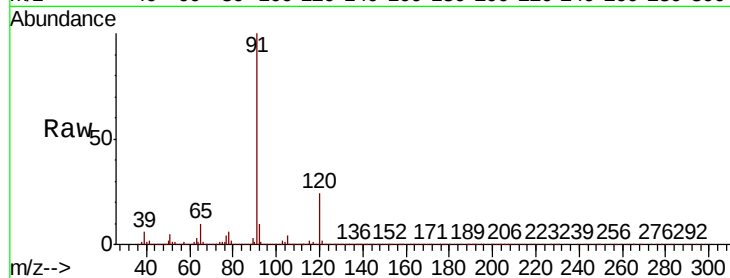
MW-2DL

Tot Ion: 91 Resp: 405608

Ion Ratio Lower Upper

91 100

120 23.3 11.8 35.3



#79

2-Chlorotoluene

Concen: 3.816 ug/l

RT: 11.45 min Scan# 1732

Delta R.T. 0.03 min

Lab File: VX013725.D

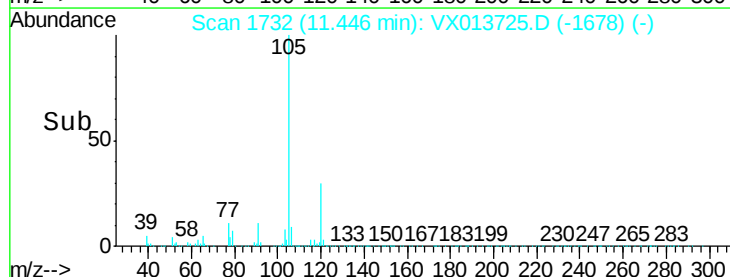
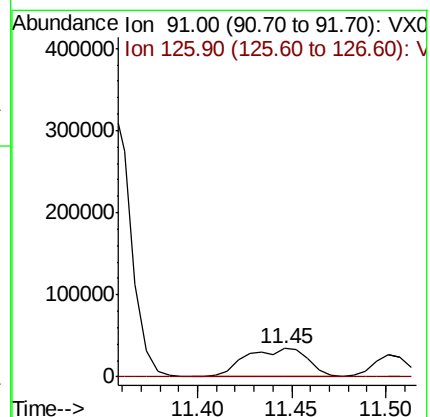
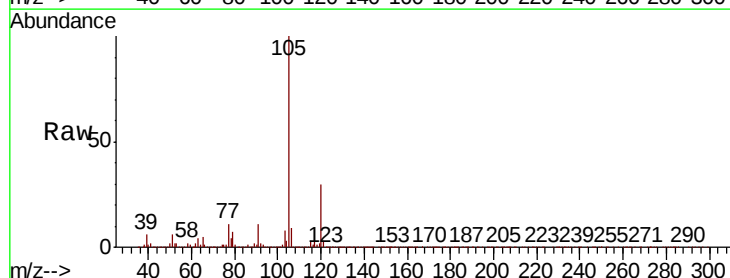
Acq: 03 Dec 2019 15:24

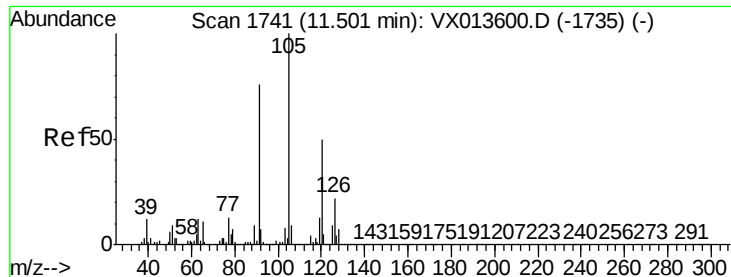
Tgt Ion: 91 Resp: 78866

Ion Ratio Lower Upper

91 100

126 0.4 17.5 52.5#





#80

1,3,5-Trimethylbenzene

Concen: 12.203 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

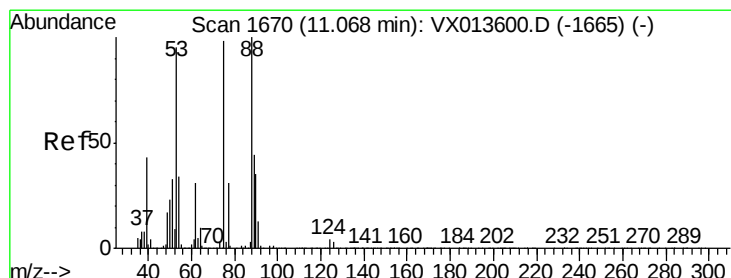
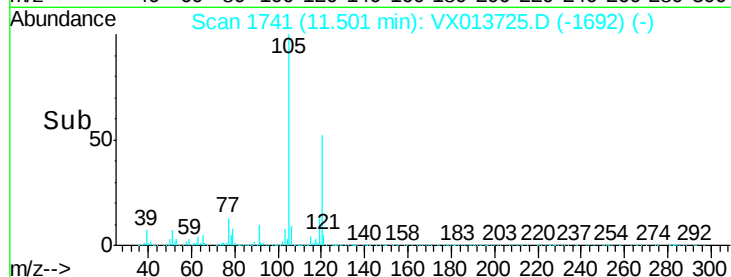
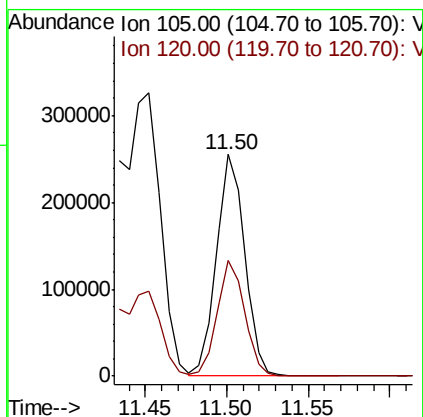
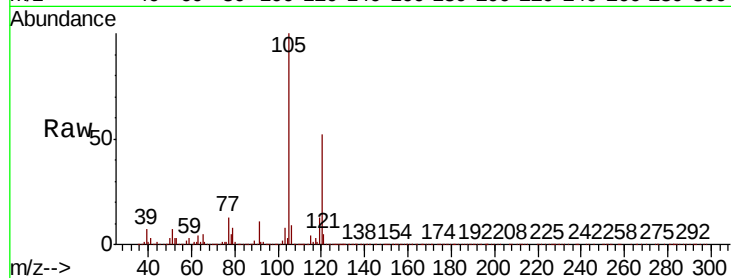
MW-2DL

Tot Ion:105 Resp: 308638

Ion Ratio Lower Upper

105 100

120 50.7 25.3 75.9



#81

trans-1,4-Dichloro-2-butene

Concen: 57.297 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

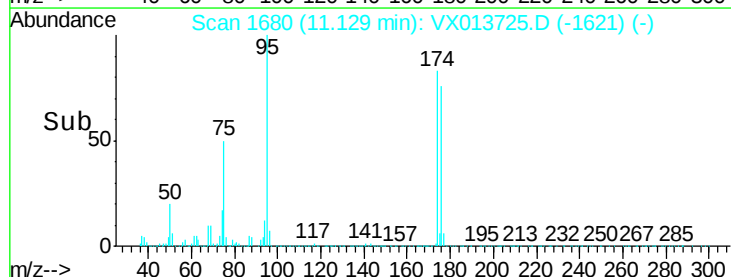
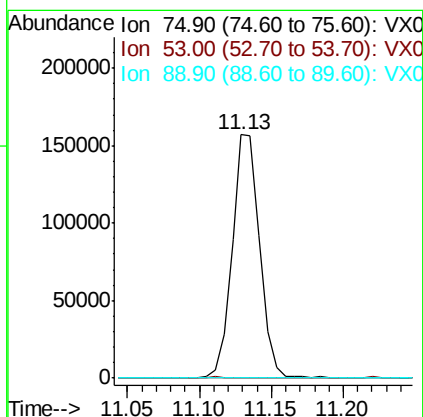
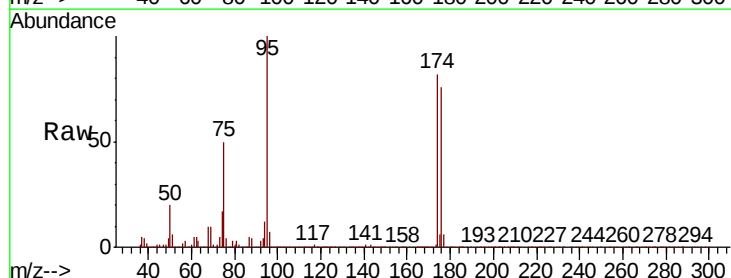
Tgt Ion: 75 Resp: 207233

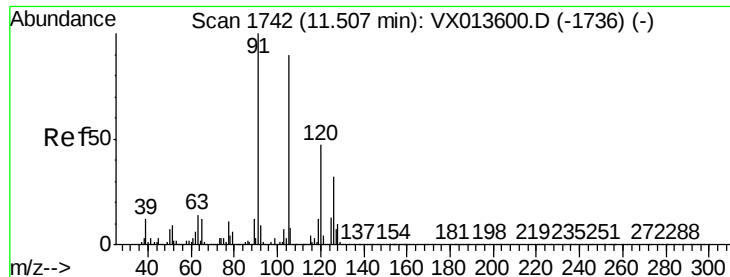
Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.0 35.4 53.2#





#82

4-Chlorotoluene

Concen: 1.381 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

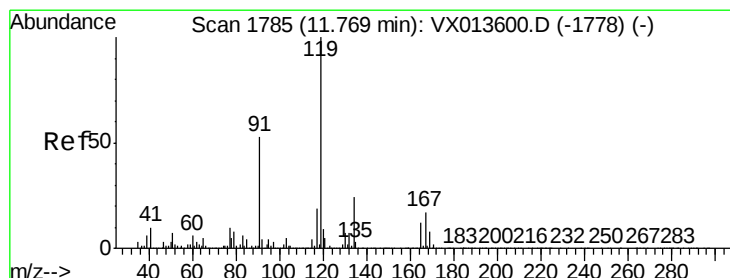
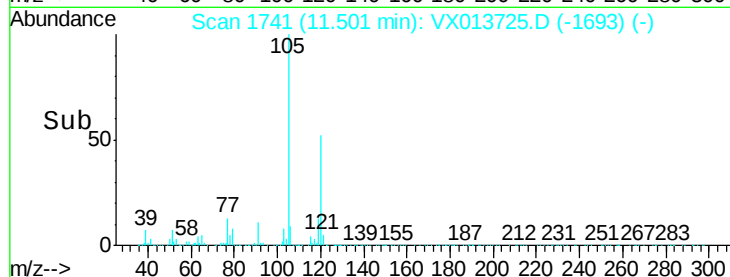
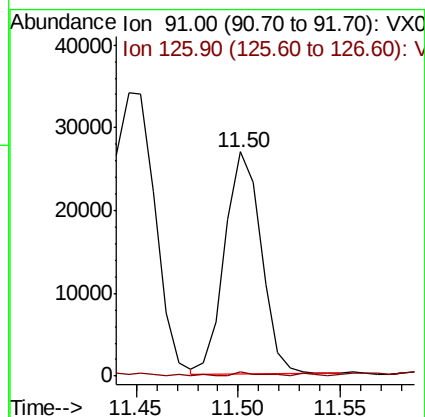
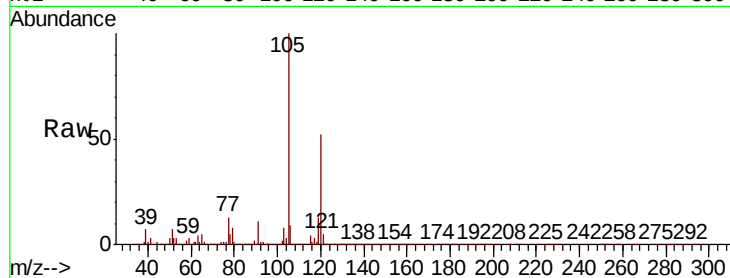
MW-2DL

Tot Ion: 91 Resp: 33060

Ion Ratio Lower Upper

91 100

126 1.0 15.7 47.0#



#83

tert-Butylbenzene

Concen: 11.809 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.04 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

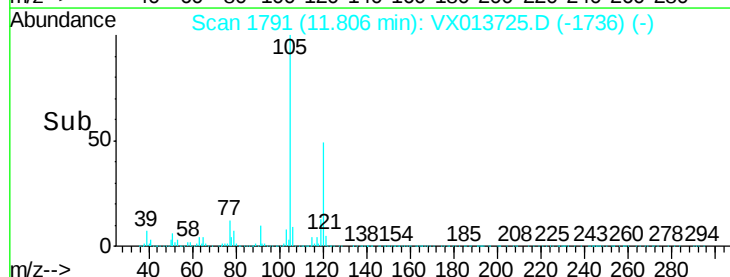
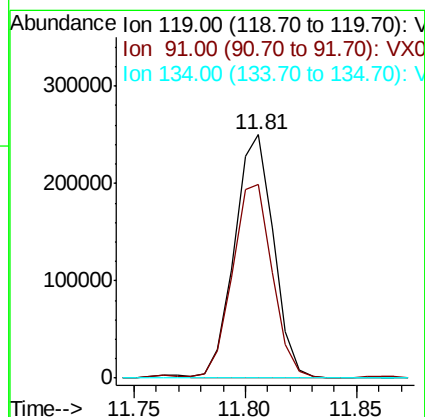
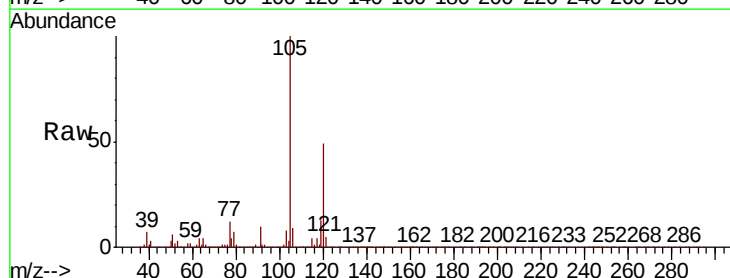
Tgt Ion: 119 Resp: 303535

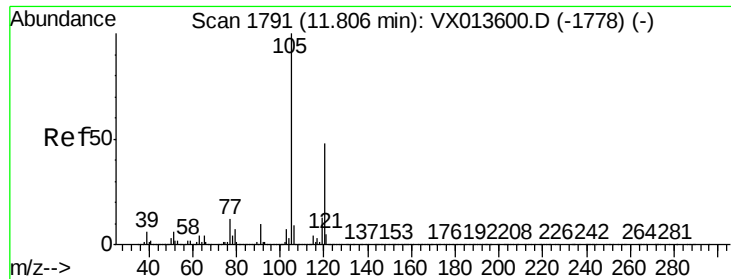
Ion Ratio Lower Upper

119 100

91 82.9 27.2 81.6#

134 0.1 11.7 35.1#

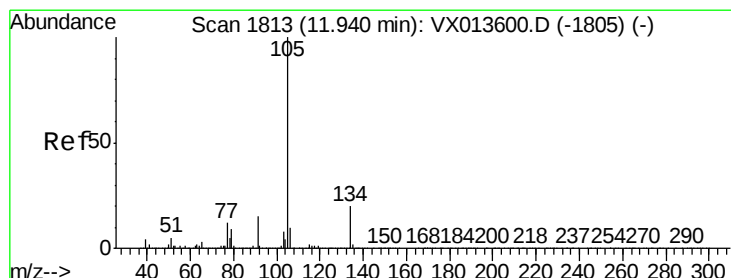
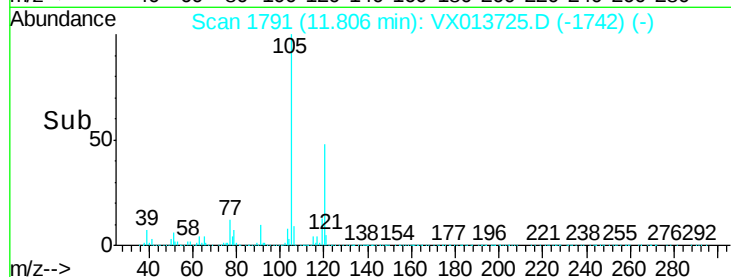
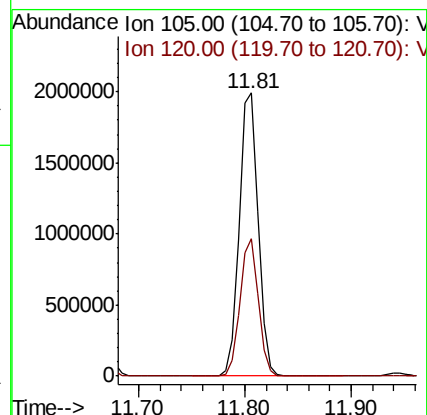
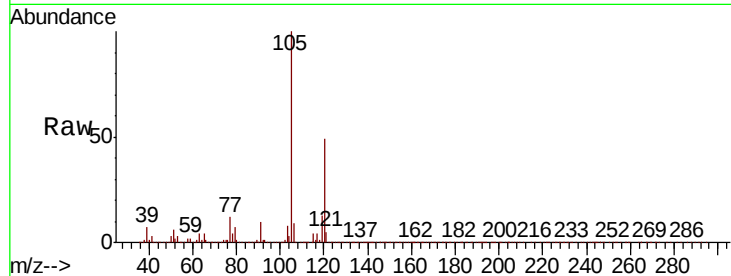




#84  
 1,2,4-Trimethylbenzene  
 Concen: 96.560 ug/l  
 RT: 11.81 min Scan# 1791  
 Delta R.T. 0.00 min  
 Lab File: VX013725.D  
 Acq: 03 Dec 2019 15:24

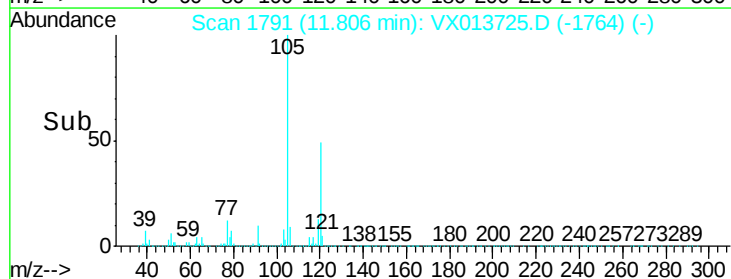
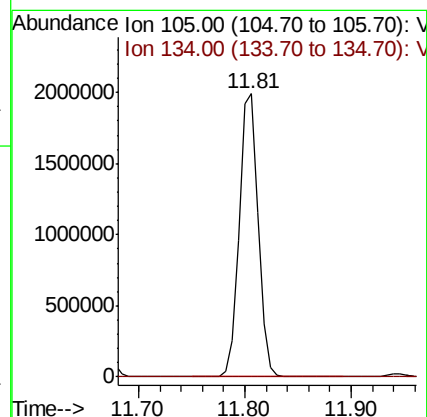
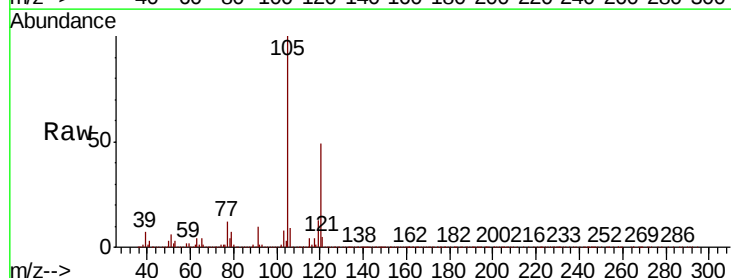
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2DL

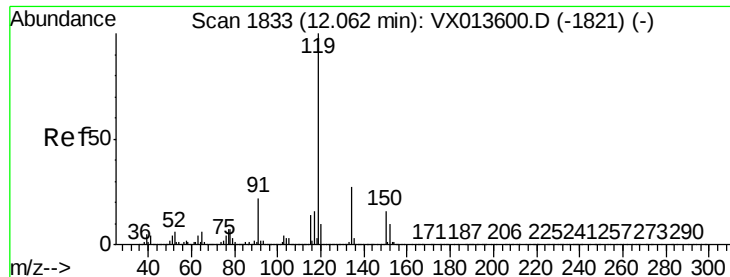
Tot Ion:105 Resp: 2478646  
 Ion Ratio Lower Upper  
 105 100  
 120 47.2 23.1 69.3



#85  
 sec-Butylbenzene  
 Concen: 84.422 ug/l  
 RT: 11.81 min Scan# 1791  
 Delta R.T. -0.13 min  
 Lab File: VX013725.D  
 Acq: 03 Dec 2019 15:24

Tgt Ion:105 Resp: 2478667  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.4 31.2#

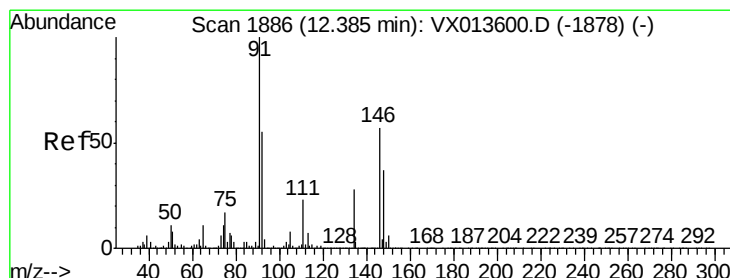
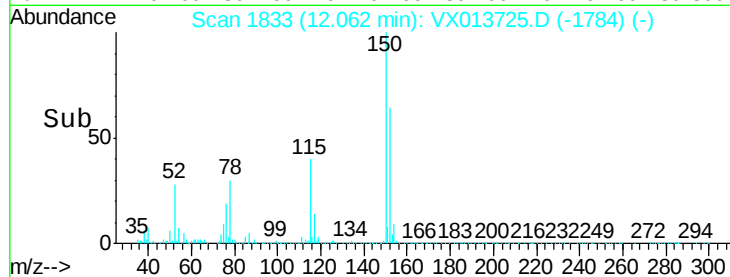
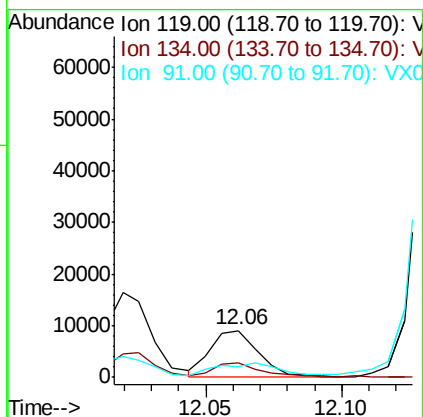
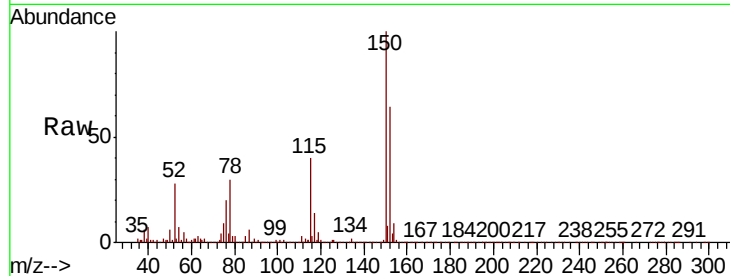




#86  
p-Isopropyltoluene  
Concen: 0.401 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. 0.00 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

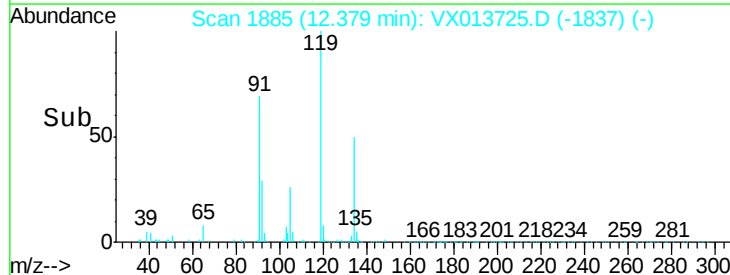
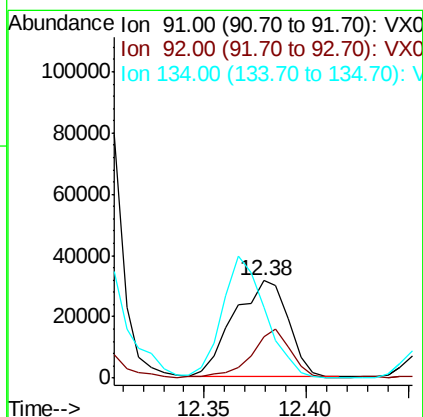
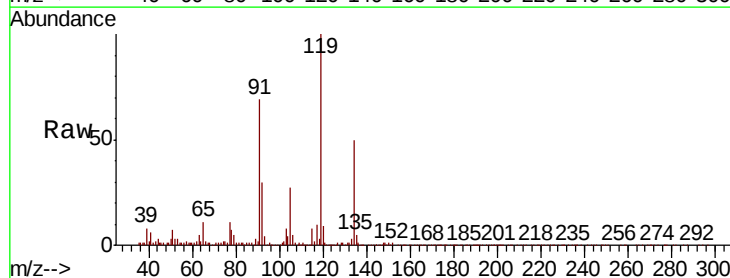
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

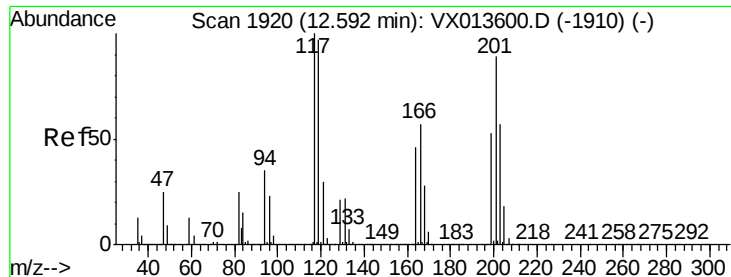
Tot Ion: 119 Resp: 10957  
Ion Ratio Lower Upper  
119 100  
134 29.8 13.3 39.9  
91 0.0 11.3 33.8#



#89  
n-Butylbenzene  
Concen: 2.533 ug/l  
RT: 12.38 min Scan# 1885  
Delta R.T. -0.01 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

Tgt Ion: 91 Resp: 59006  
Ion Ratio Lower Upper  
91 100  
92 35.7 27.4 82.2  
134 97.9 13.5 40.4#





#90

Hexachloroethane

Concen: 7.905 ug/l

RT: 12.67 min Scan# 1932

Delta R.T. 0.07 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

Instrument :

MSVOA\_X

ClientSampleId :

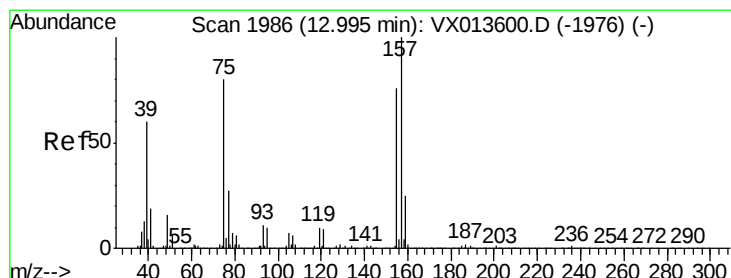
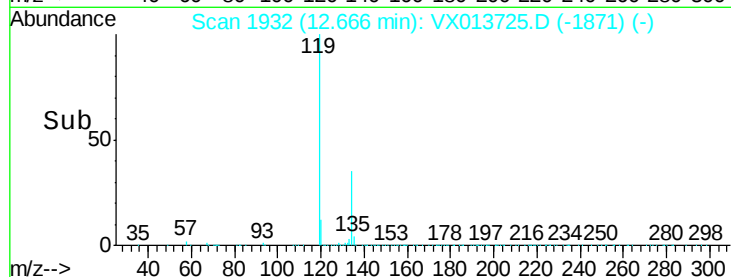
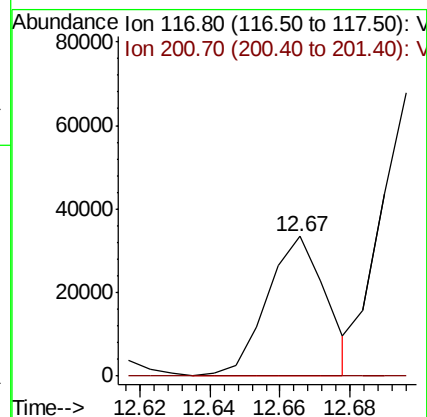
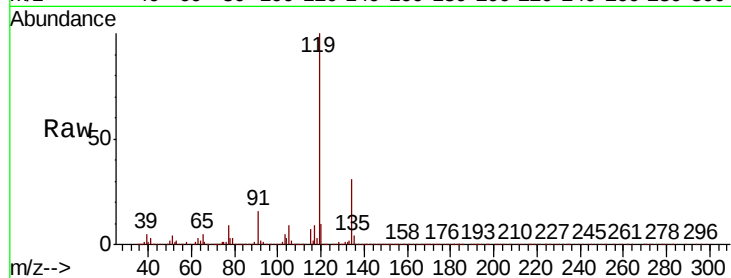
MW-2DL

Tot Ion:117 Resp: 39025

Ion Ratio Lower Upper

117 100

201 0.5 44.1 132.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.081 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX013725.D

Acq: 03 Dec 2019 15:24

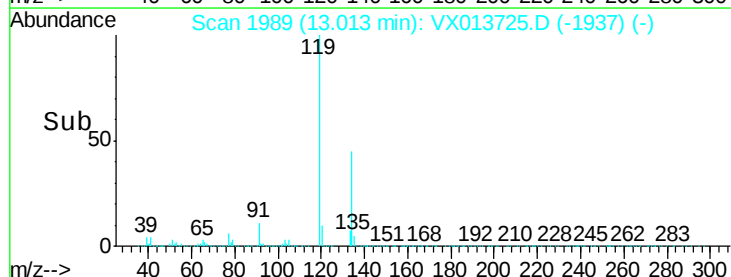
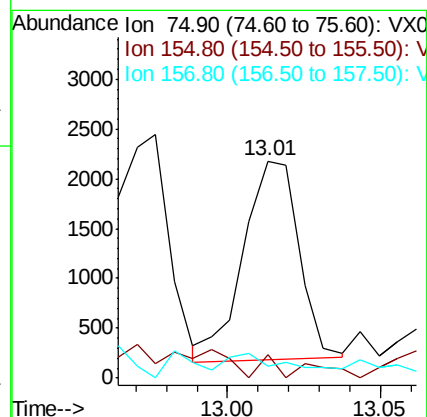
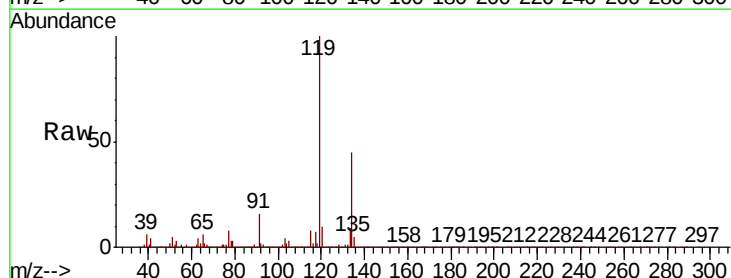
Tgt Ion: 75 Resp: 2520

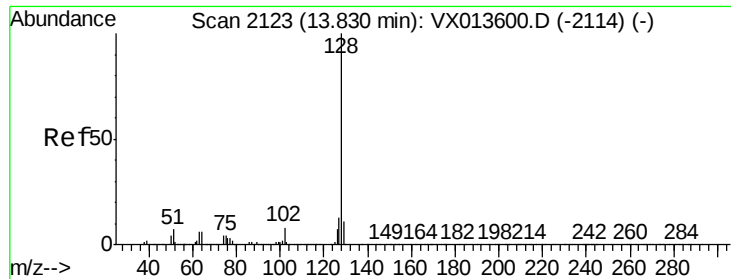
Ion Ratio Lower Upper

75 100

155 3.5 47.6 142.8#

157 8.8 62.1 186.2#





#95  
Naphthalene  
Concen: 38.871 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: VX013725.D  
Acq: 03 Dec 2019 15:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

Tot Ion:128 Resp: 1158404  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.3 15.5  
129 11.2 8.7 13.1

