

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\  
 Data File : VX013876.D  
 Acq On : 10 Dec 2019 01:54  
 Operator : JC/SP  
 Sample : K6117-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TR-04-120619

Quant Time: Dec 12 08:18:44 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  | 607863   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 932136   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 847026   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 379827   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 337969   | 47.90 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.80% |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 276174   | 47.93 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.86% |      |
| 50) Toluene-d8            | 8.71   | 98  | 1110782  | 49.47 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.94% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 378709   | 46.78 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.56% |      |

## Target Compounds

|                                |       |     |        |         |        | Qvalue |
|--------------------------------|-------|-----|--------|---------|--------|--------|
| 5) Bromomethane                | 1.64  | 94  | 1896   | 0.330   | ug/l   | 86     |
| 8) Diethyl Ether               | 2.17  | 74  | 1414   | 0.329   | ug/l   | 79     |
| 13) Acrolein                   | 2.30  | 56  | 1300   | 7.093   | ug/l # | 25     |
| 15) Acrylonitrile              | 3.13  | 53  | 766    | 0.213   | ug/l # | 67     |
| 16) Acetone                    | 2.43  | 43  | 34428  | 9.883   | ug/l   | 91     |
| 18) Methyl Acetate             | 2.76  | 43  | 7438   | 0.767   | ug/l # | 84     |
| 20) Methylene Chloride         | 2.85  | 84  | 835652 | 124.862 | ug/l   | 98     |
| 25) 2-Butanone                 | 4.67  | 43  | 8287   | 1.601   | ug/l   | 94     |
| 29) Tetrahydrofuran            | 5.14  | 42  | 868    | 0.272   | ug/l # | 32     |
| 30) Chloroform                 | 5.21  | 83  | 8236   | 0.735   | ug/l   | 92     |
| 36) 1,1-Dichloropropene        | 5.65  | 75  | 40816  | 4.824   | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 5.65  | 117 | 52718  | 6.757   | ug/l # | 16     |
| 40) Benzene                    | 6.14  | 78  | 18968  | 0.736   | ug/l   | 96     |
| 43) Isopropyl Acetate          | 6.43  | 43  | 138850 | 8.885   | ug/l   | 99     |
| 44) Trichloroethene            | 7.21  | 130 | 2477   | 0.350   | ug/l   | 34     |
| 46) Dibromomethane             | 7.65  | 93  | 1111   | 0.254   | ug/l # | 45     |
| 47) Bromodichloromethane       | 7.89  | 83  | 2589   | 0.313   | ug/l # | 60     |
| 48) Methyl methacrylate        | 7.68  | 41  | 8034   | 1.058   | ug/l # | 22     |
| 49) 1,4-Dioxane                | 7.73  | 88  | 292    | 1.718   | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 8.61  | 43  | 132777 | 13.507  | ug/l # | 51     |
| 52) Toluene                    | 8.78  | 92  | 12417  | 0.776   | ug/l   | 91     |
| 54) cis-1,3-Dichloropropene    | 8.61  | 75  | 59513  | 5.781   | ug/l # | 58     |
| 59) 2-Hexanone                 | 9.43  | 43  | 159206 | 20.766  | ug/l # | 23     |
| 64) Tetrachloroethene          | 9.33  | 164 | 1785   | 0.283   | ug/l # | 93     |
| 67) Ethyl Benzene              | 10.25 | 91  | 37616  | 1.245   | ug/l   | 100    |
| 68) m/p-Xylenes                | 10.35 | 106 | 52872  | 4.570   | ug/l   | 98     |
| 69) o-Xylene                   | 10.70 | 106 | 21250  | 1.883   | ug/l   | 94     |
| 70) Styrene                    | 10.71 | 104 | 5990   | 0.316   | ug/l # | 63     |
| 74) N-amyl acetate             | 10.82 | 43  | 6483   | 0.531   | ug/l # | 45     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75  | 185682 | 21.735  | ug/l # | 38     |
| 78) n-propylbenzene            | 11.35 | 91  | 11103  | 0.373   | ug/l   | 86     |
| 79) 2-Chlorotoluene            | 11.43 | 91  | 8545   | 0.479   | ug/l # | 59     |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105 | 38654  | 1.770   | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75  | 185682 | 59.463  | ug/l # | 11     |

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Operator : JC/SP  
Sample : K6117-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 34 Sample Multiplier: 1

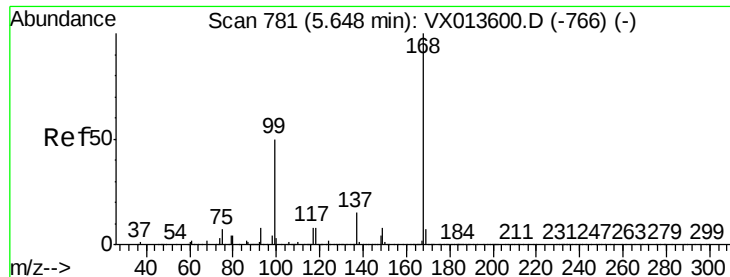
Instrument :  
MSVOA\_X  
ClientSampleId :  
TR-04-120619

Quant Time: Dec 12 08:18:44 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) |
|----------------------------|-------|------|----------|--------|--------|----------|
| 83) tert-Butylbenzene      | 12.02 | 119  | 5934     | 0.267  | ug/l   | 80       |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105  | 157902   | 7.125  | ug/l   | 98       |
| 85) sec-Butylbenzene       | 11.81 | 105  | 157902   | 6.229  | ug/l # | 56       |
| 86) p-Isopropyltoluene     | 12.06 | 119  | 4967     | 0.211  | ug/l # | 63       |
| 89) n-Butylbenzene         | 12.37 | 91   | 7103     | 0.353  | ug/l # | 14       |
| 90) Hexachloroethane       | 12.58 | 117  | 1754     | 0.411  | ug/l # | 16       |
| 95) Naphthalene            | 13.83 | 128  | 265918   | 10.335 | ug/l   | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampled :

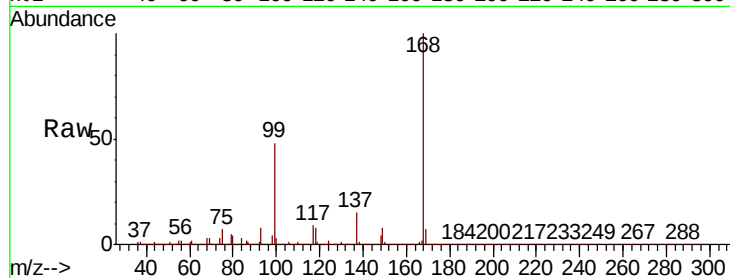
TR-04-120619

Tot Ion:168 Resp: 607863

Ion Ratio Lower Upper

168 100

99 47.8 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

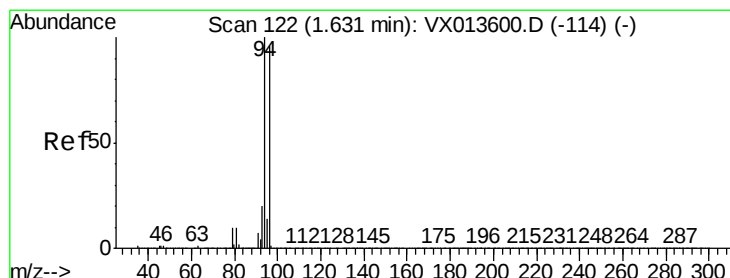
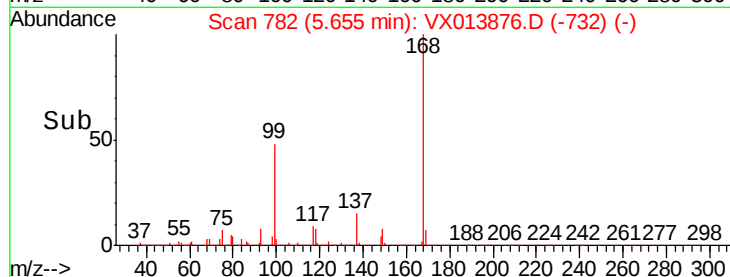
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.330 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013876.D

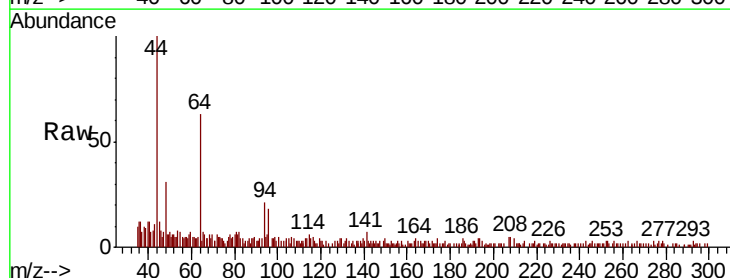
Acq: 10 Dec 2019 01:54

Tgt Ion: 94 Resp: 1896

Ion Ratio Lower Upper

94 100

96 82.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

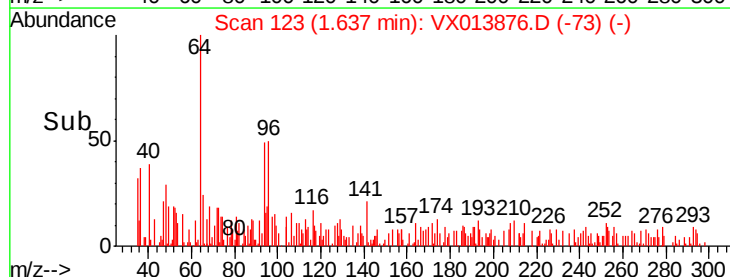
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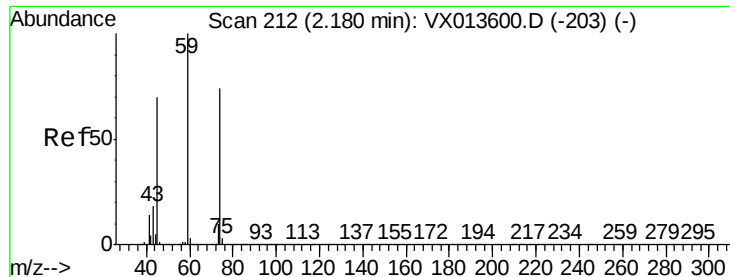
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.329 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampled :

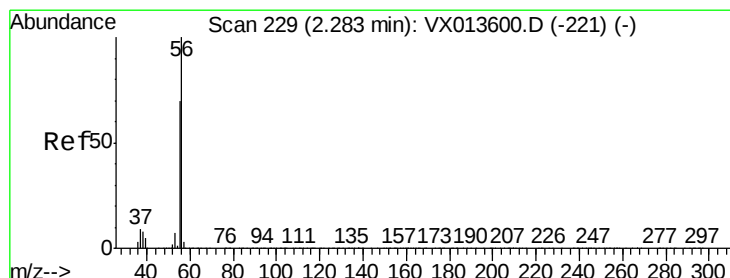
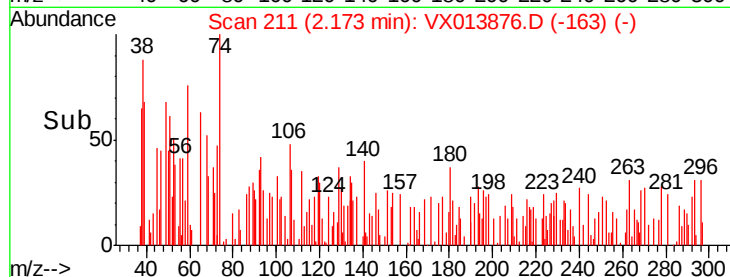
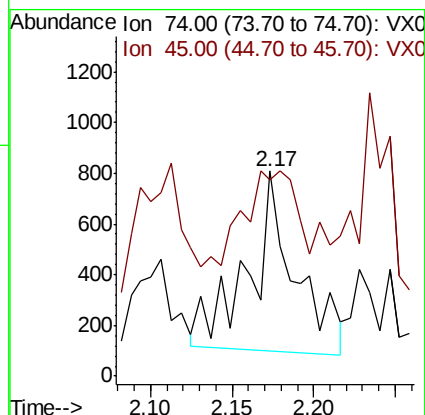
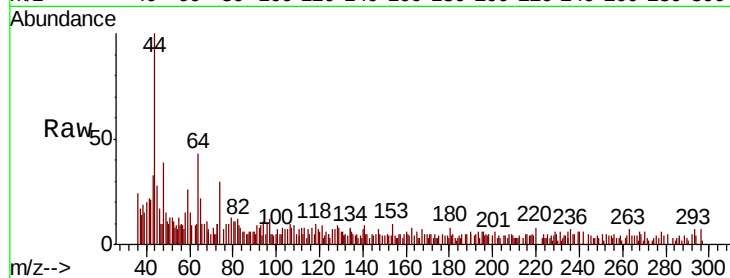
TR-04-120619

Tot Ion: 74 Resp: 1414

Ion Ratio Lower Upper

74 100

45 77.3 48.9 146.8



#13

Acrolein

Concen: 7.093 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX013876.D

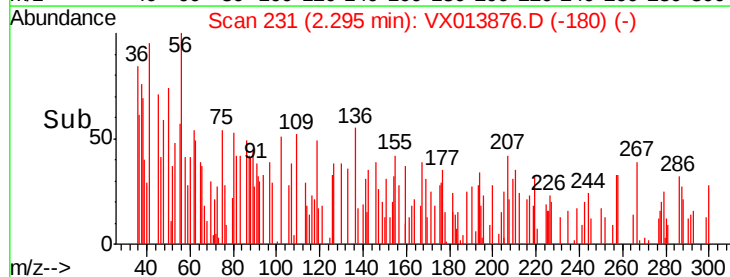
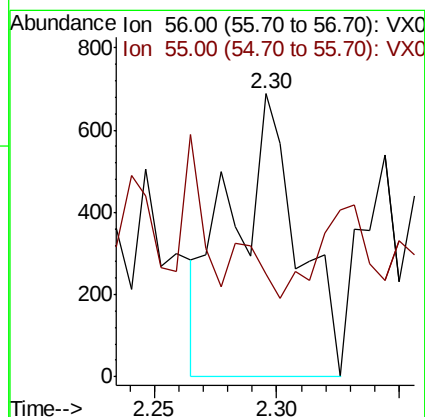
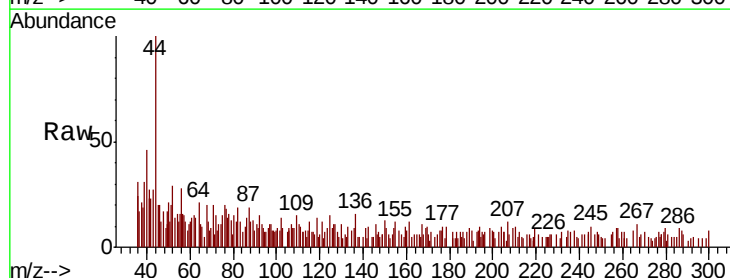
Acq: 10 Dec 2019 01:54

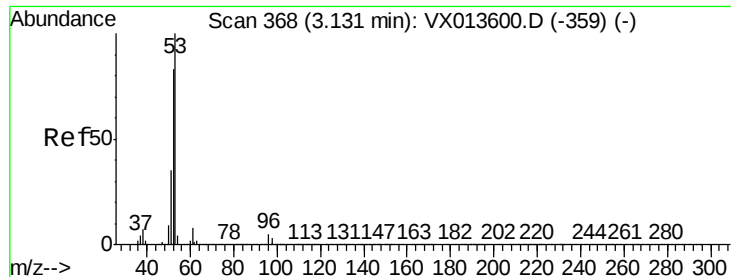
Tgt Ion: 56 Resp: 1300

Ion Ratio Lower Upper

56 100

55 8.9 56.2 84.4#





#15

Acrylonitrile

Concen: 0.213 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

TR-04-120619

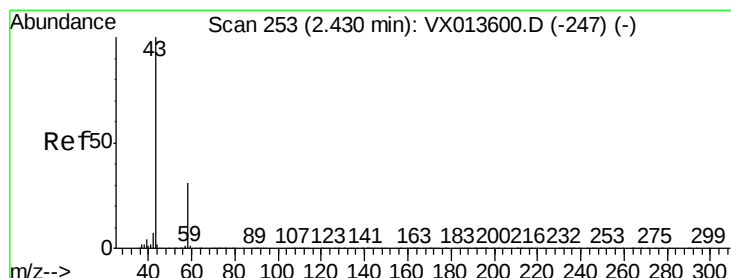
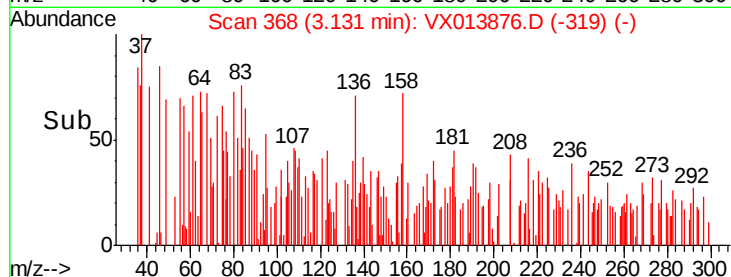
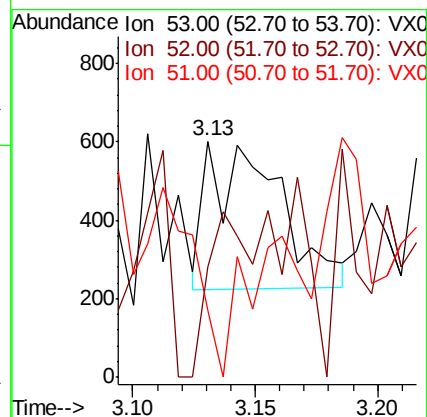
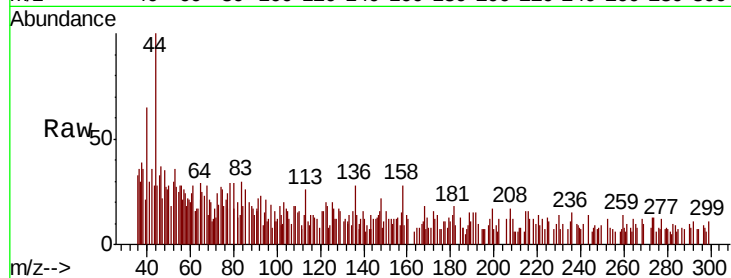
Tot Ion: 53 Resp: 766

Ion Ratio Lower Upper

53 100

52 64.6 66.2 99.2#

51 0.0 29.0 43.6#



#16

Acetone

Concen: 9.883 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013876.D

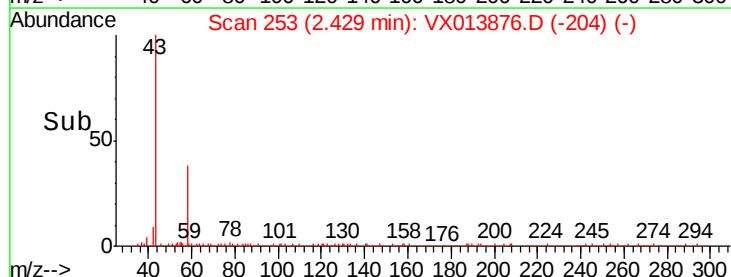
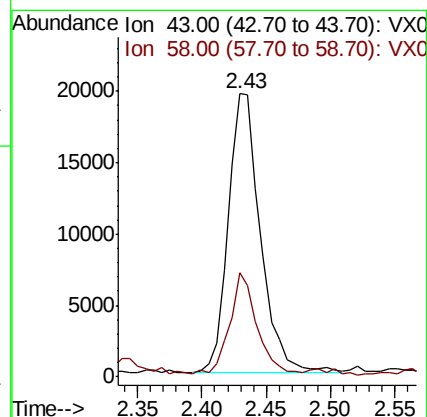
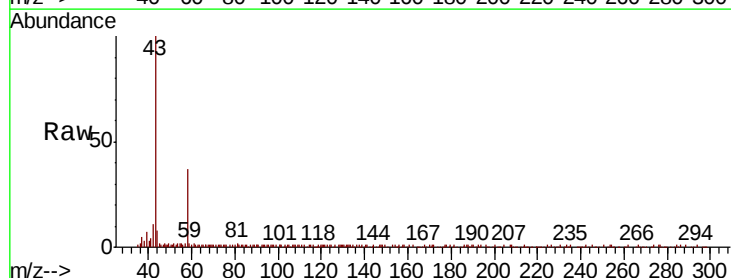
Acq: 10 Dec 2019 01:54

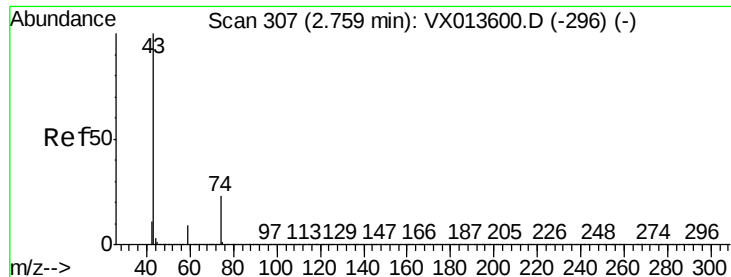
Tgt Ion: 43 Resp: 34428

Ion Ratio Lower Upper

43 100

58 35.8 24.6 36.8

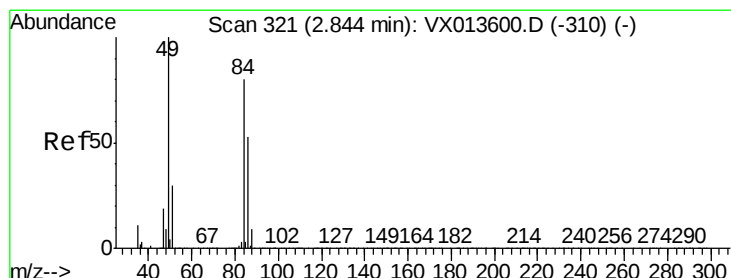
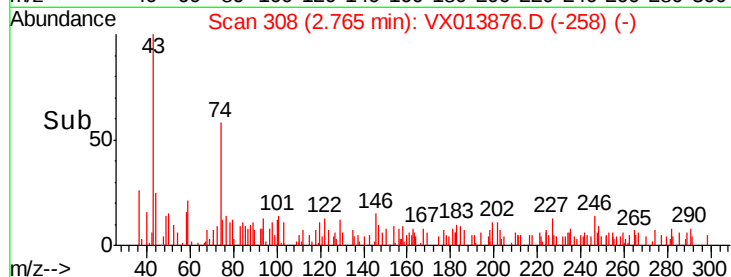
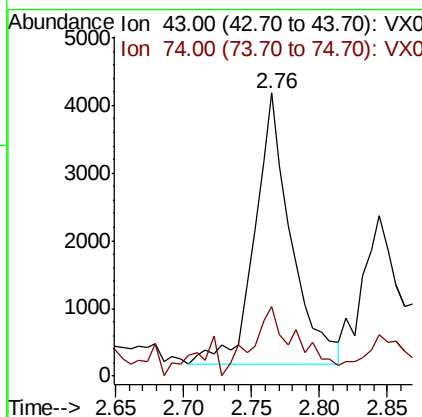
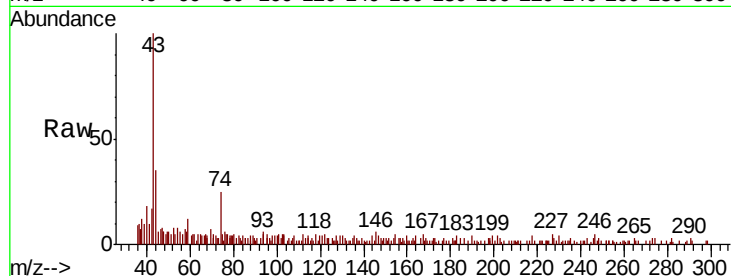




#18  
Methyl Acetate  
Concen: 0.767 ug/l  
RT: 2.76 min Scan# 308  
Delta R.T. 0.01 min  
Lab File: VX013876.D  
Acq: 10 Dec 2019 01:54

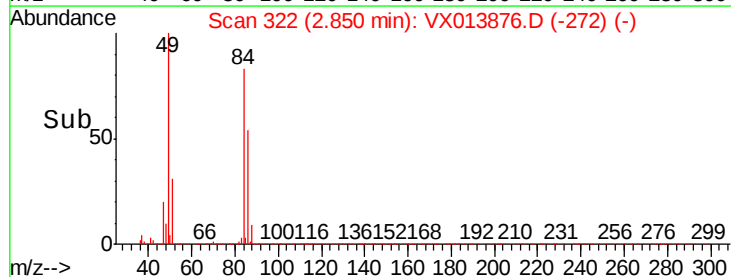
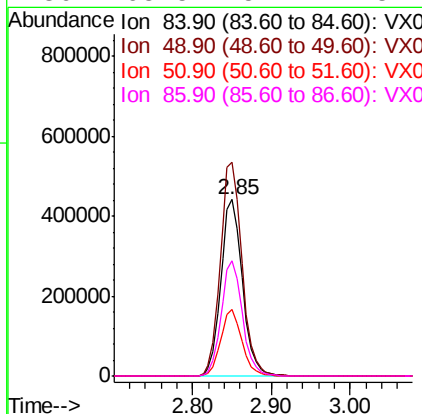
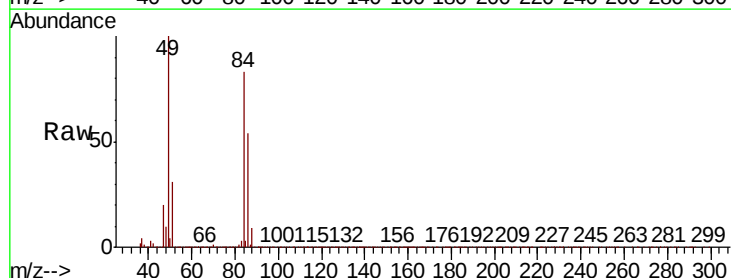
Instrument :  
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ClientSampleId :  
TR-04-120619

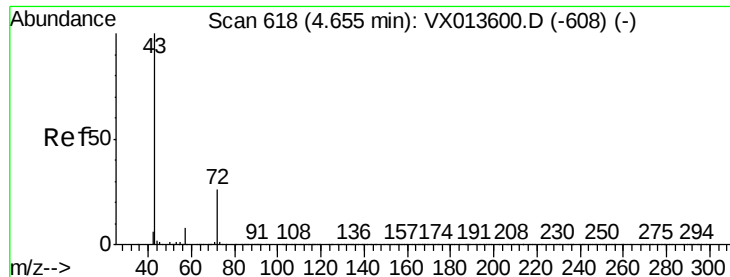
Tot Ion: 43 Resp: 7438  
Ion Ratio Lower Upper  
43 100  
74 32.4 19.5 29.3#



#20  
Methylene Chloride  
Concen: 124.862 ug/l  
RT: 2.85 min Scan# 322  
Delta R.T. 0.01 min  
Lab File: VX013876.D  
Acq: 10 Dec 2019 01:54

Tgt Ion: 84 Resp: 835652  
Ion Ratio Lower Upper  
84 100  
49 121.1 99.7 149.5  
51 37.5 29.9 44.9  
86 65.5 52.2 78.4

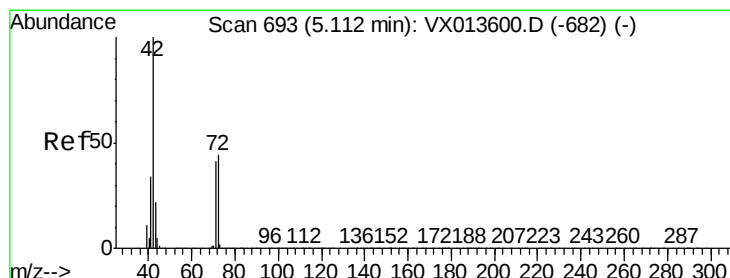
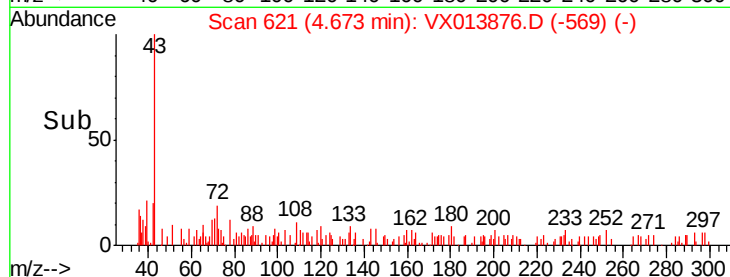
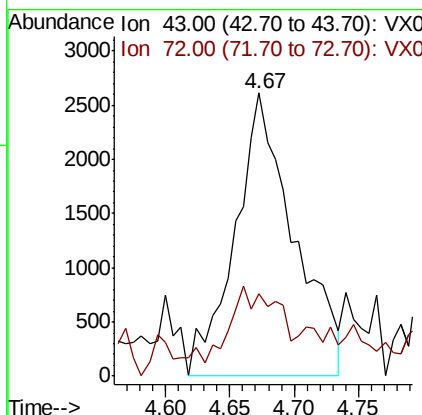
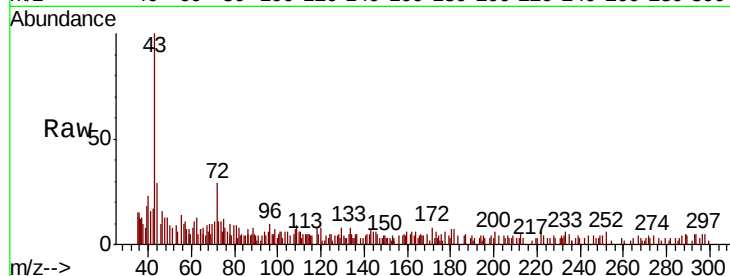




#25  
2-Butanone  
Concen: 1.601 ug/l  
RT: 4.67 min Scan# 621  
Delta R.T. 0.02 min  
Lab File: VX013876.D  
Acq: 10 Dec 2019 01:54

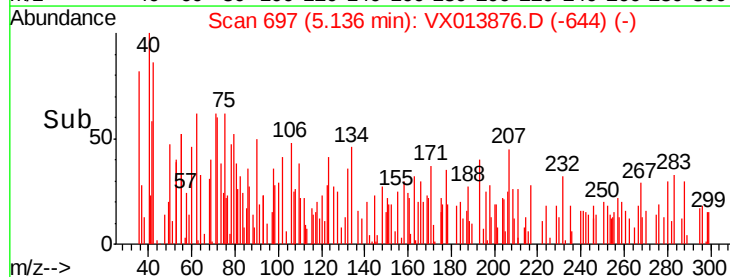
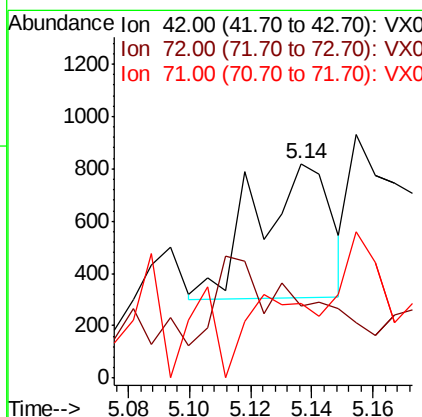
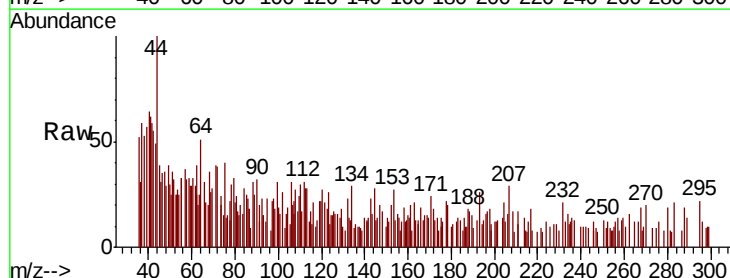
Instrument :  
MSVOA\_X  
ClientSampled :  
TR-04-120619

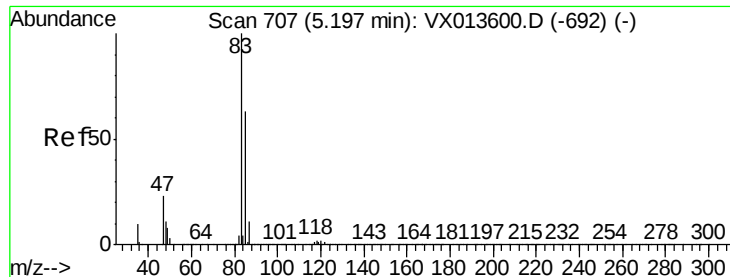
Tot Ion: 43 Resp: 8287  
Ion Ratio Lower Upper  
43 100  
72 22.8 20.6 31.0



#29  
Tetrahydrofuran  
Concen: 0.272 ug/l  
RT: 5.14 min Scan# 697  
Delta R.T. 0.02 min  
Lab File: VX013876.D  
Acq: 10 Dec 2019 01:54

Tgt Ion: 42 Resp: 868  
Ion Ratio Lower Upper  
42 100  
72 0.0 36.3 54.5#  
71 0.0 33.2 49.8#





#30

Chloroform

Concen: 0.735 ug/l

RT: 5.21 min Scan# 709

Delta R.T. 0.01 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

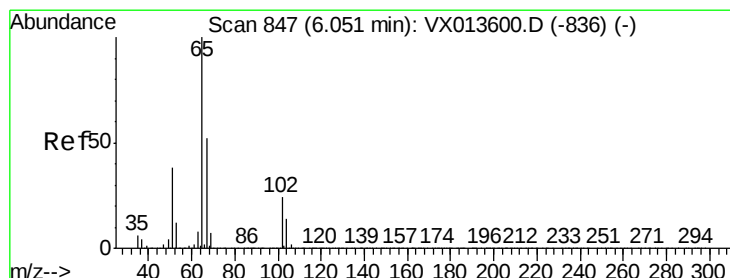
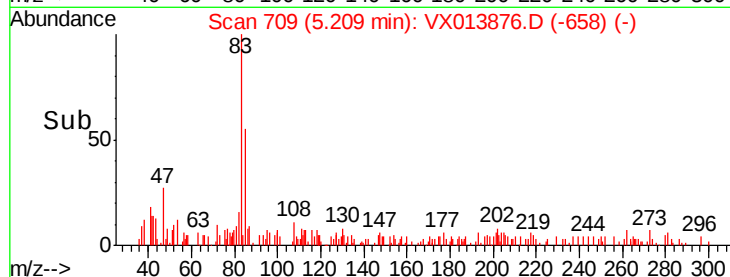
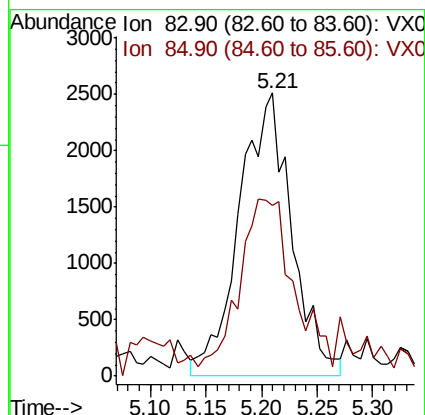
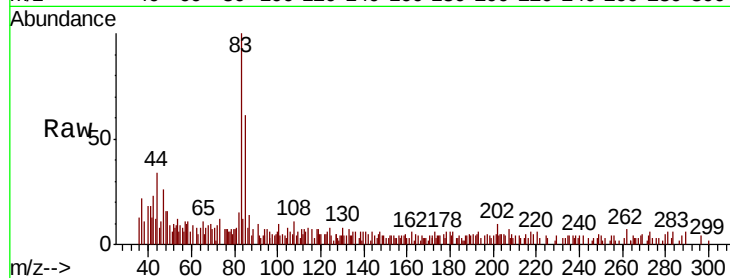
TR-04-120619

Tot Ion: 83 Resp: 8236

Ion Ratio Lower Upper

83 100

85 56.5 50.2 75.4



#33

1,2-Dichloroethane-d4

Concen: 47.899 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013876.D

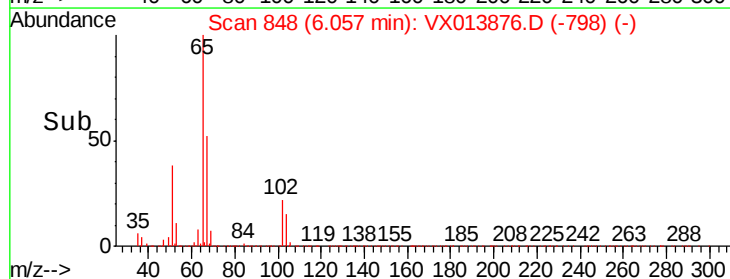
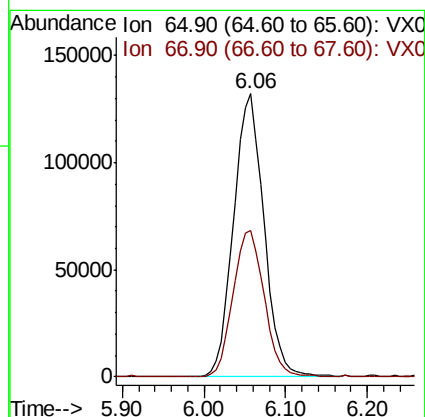
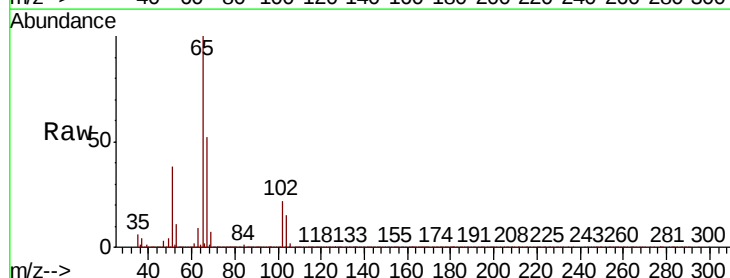
Acq: 10 Dec 2019 01:54

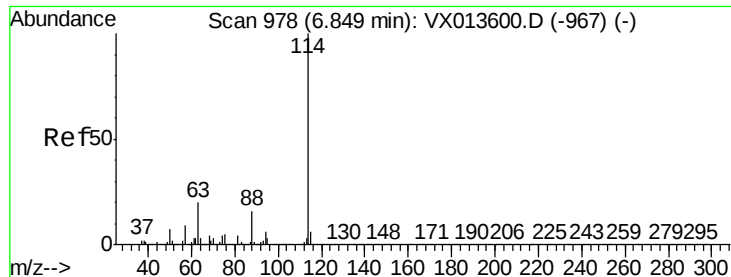
Tgt Ion: 65 Resp: 337969

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

TR-04-120619

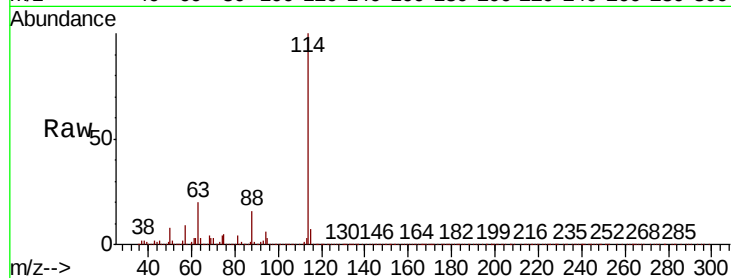
Tot Ion:114 Resp: 932136

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

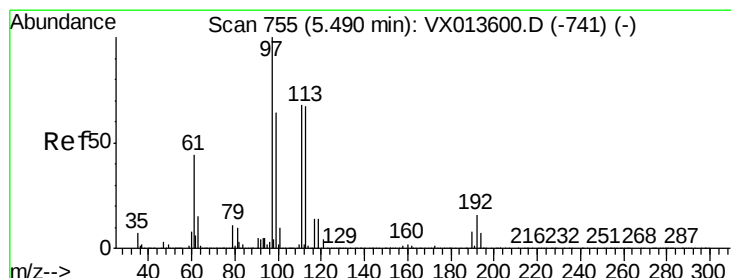
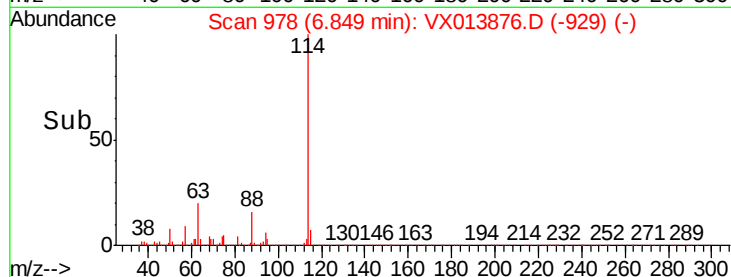
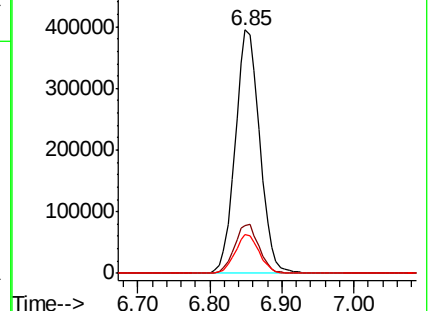
88 15.7 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 47.925 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

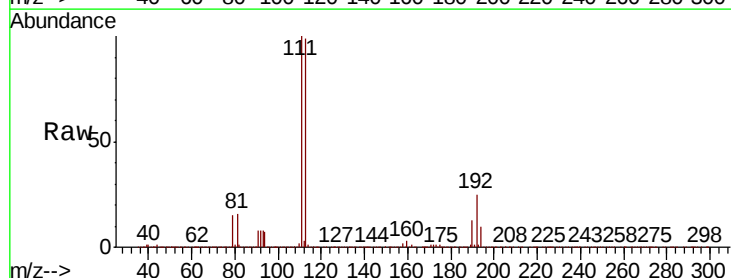
Tgt Ion:113 Resp: 276174

Ion Ratio Lower Upper

113 100

111 101.7 83.6 125.4

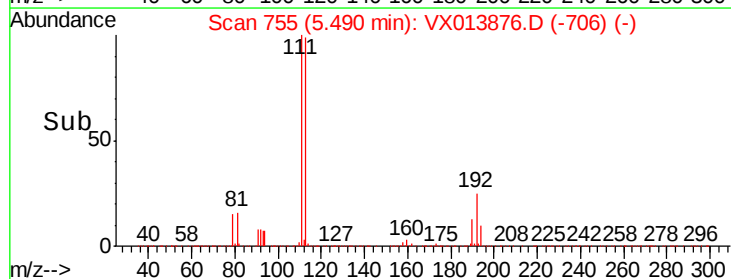
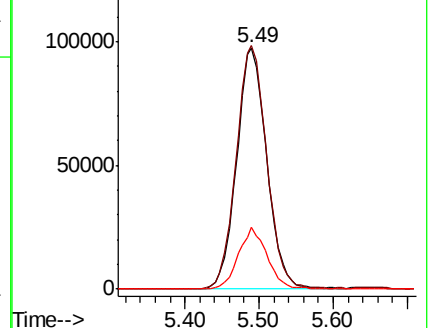
192 24.5 19.2 28.8

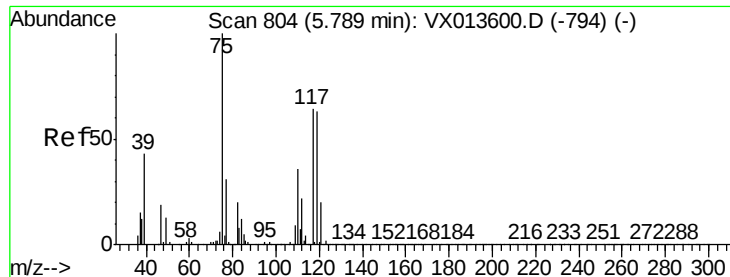


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

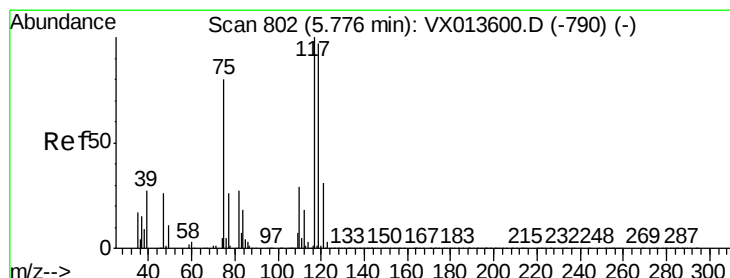
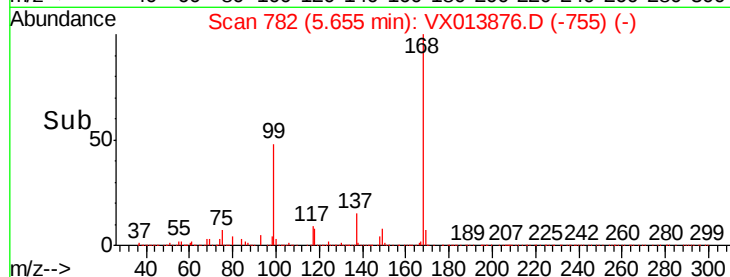
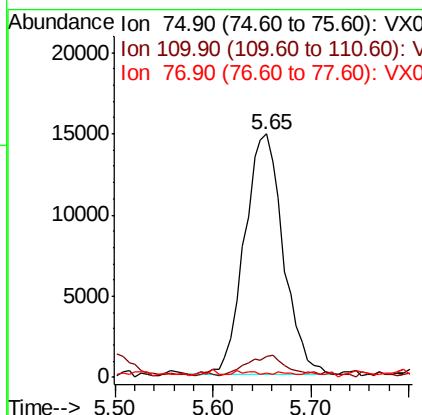
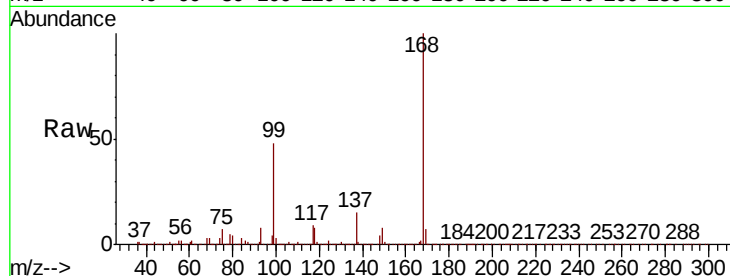




#36  
 1,1-Dichloropropene  
 Concen: 4.824 ug/l  
 RT: 5.65 min Scan# 782  
 Delta R.T. -0.13 min  
 Lab File: VX013876.D  
 Acq: 10 Dec 2019 01:54

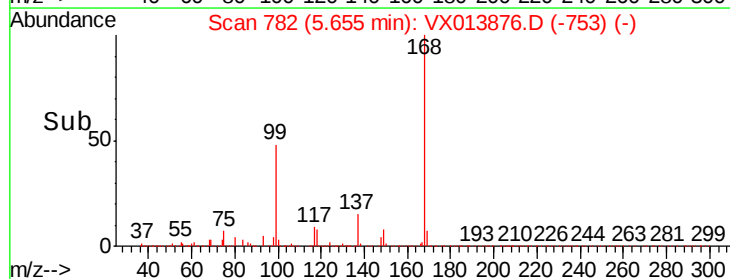
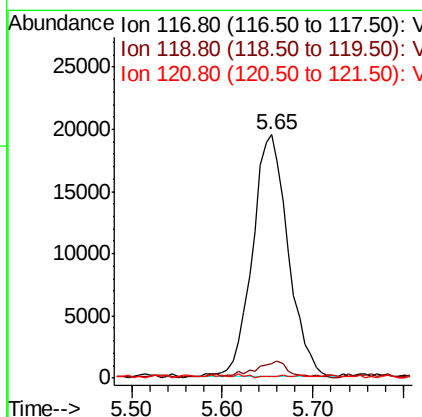
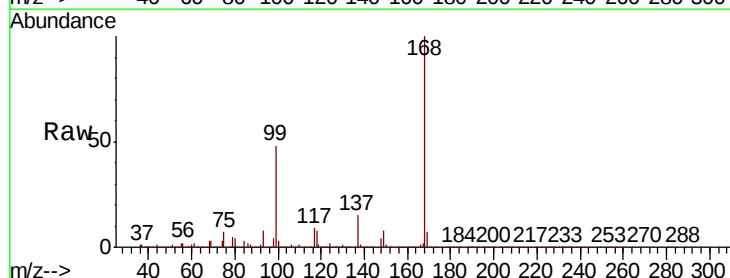
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TR-04-120619

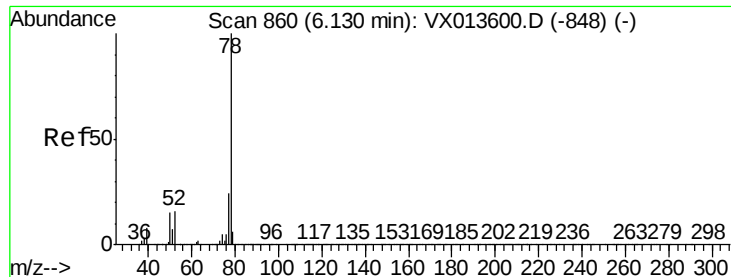
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 11.1  | 18.1  | 54.1# |
| 77      | 0.0   | 24.5  | 36.7# |



#38  
 Carbon Tetrachloride  
 Concen: 6.757 ug/l  
 RT: 5.65 min Scan# 782  
 Delta R.T. -0.12 min  
 Lab File: VX013876.D  
 Acq: 10 Dec 2019 01:54

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 6.1   | 77.5  | 116.3# |
| 121     | 0.2   | 25.0  | 37.6#  |





#40

Benzene

Concen: 0.736 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

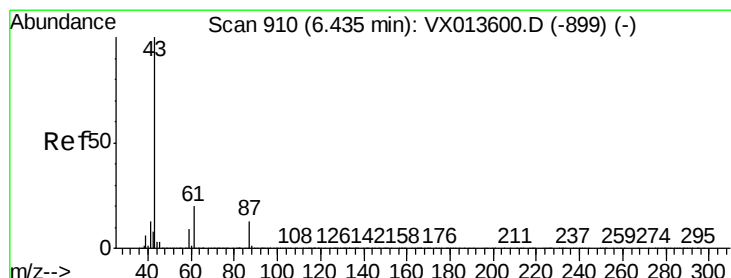
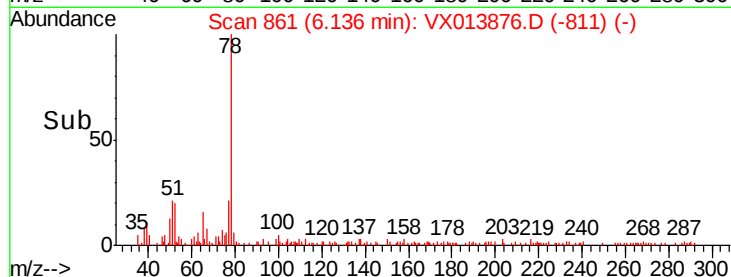
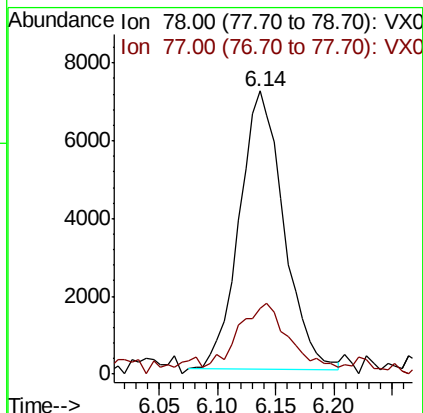
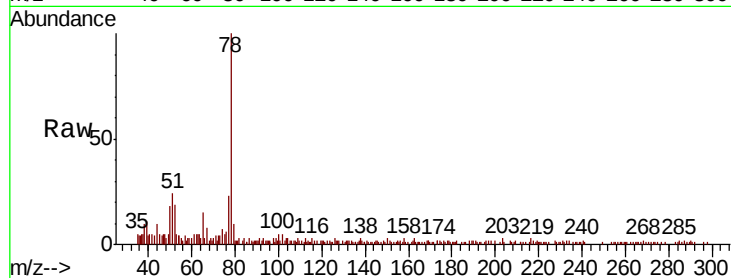
TR-04-120619

Tot Ion: 78 Resp: 18968

Ion Ratio Lower Upper

78 100

77 21.6 19.0 28.4



#43

Isopropyl Acetate

Concen: 8.885 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

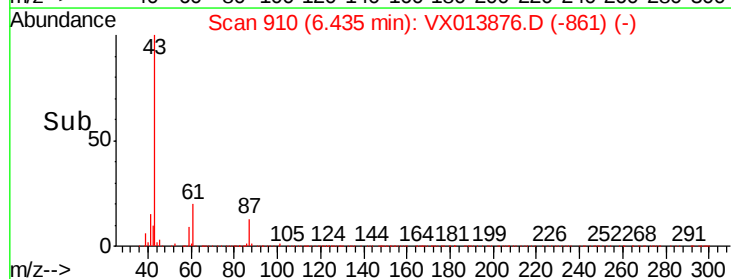
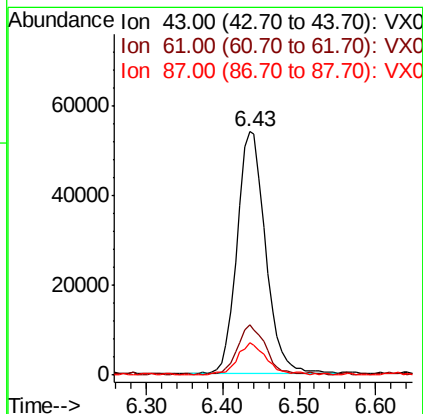
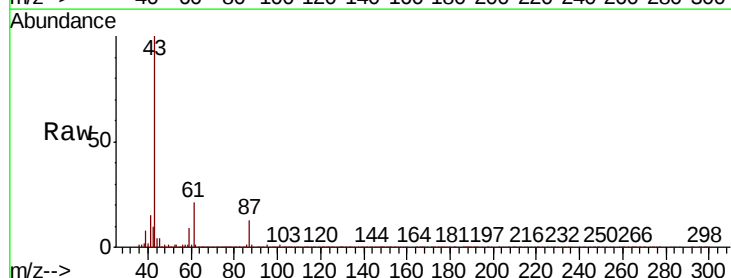
Tgt Ion: 43 Resp: 138850

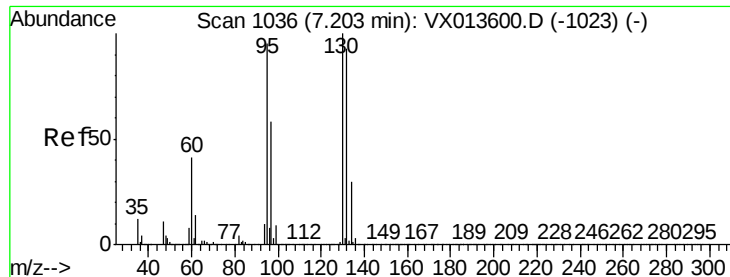
Ion Ratio Lower Upper

43 100

61 20.0 16.3 24.5

87 13.5 10.8 16.2





#44

Trichloroethene

Concen: 0.350 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

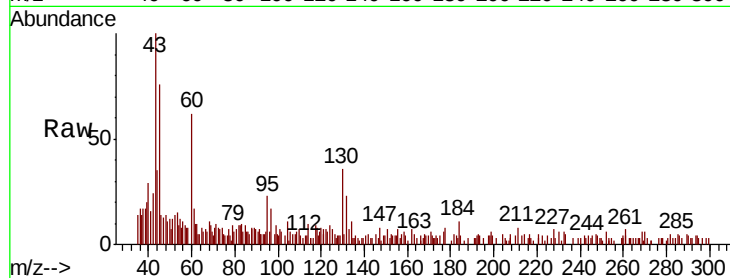
TR-04-120619

Tot Ion:130 Resp: 2477

Ion Ratio Lower Upper

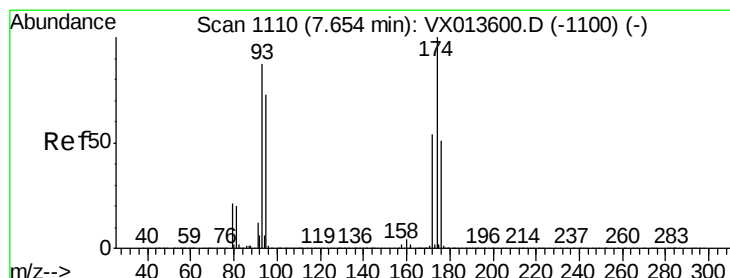
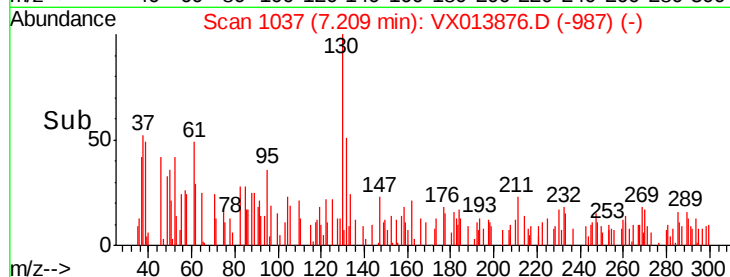
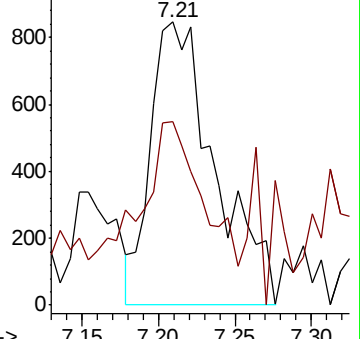
130 100

95 31.5 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#46

Dibromomethane

Concen: 0.254 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

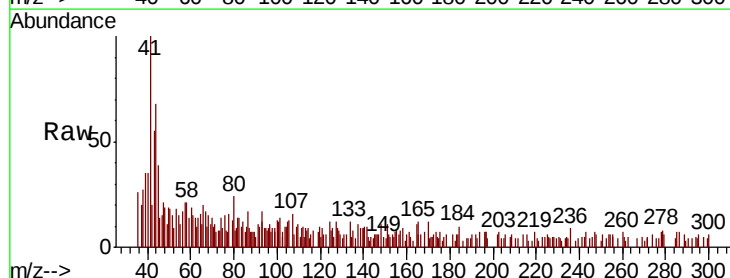
Tgt Ion: 93 Resp: 1111

Ion Ratio Lower Upper

93 100

95 38.9 66.2 99.2#

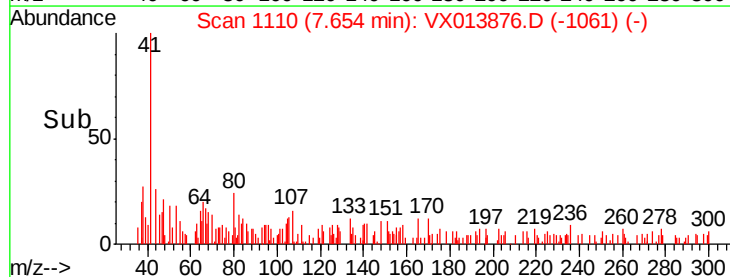
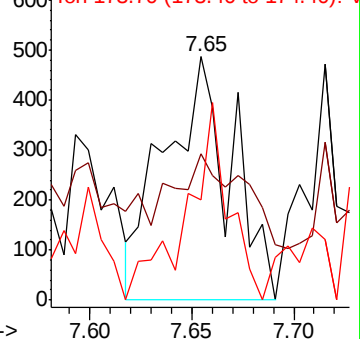
174 50.9 93.4 140.0#

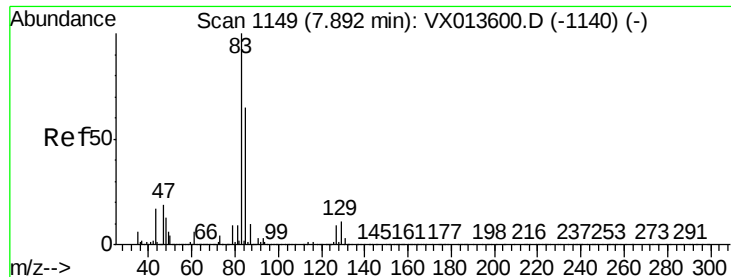


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.313 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

TR-04-120619

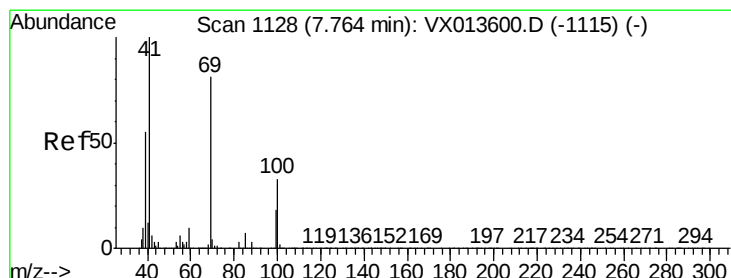
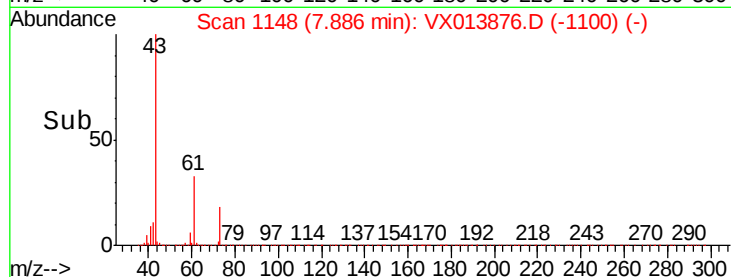
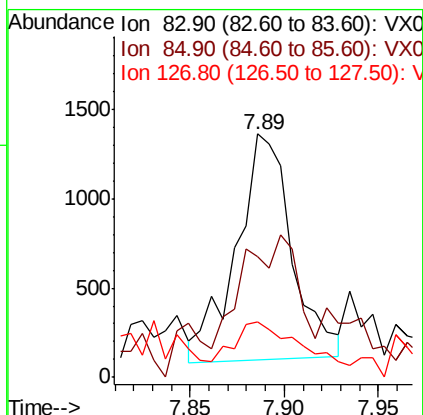
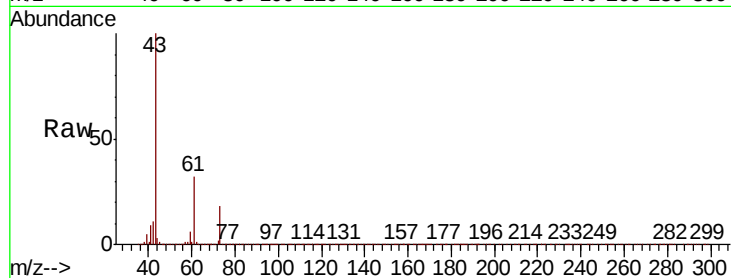
Tot Ion: 83 Resp: 2589

Ion Ratio Lower Upper

83 100

85 32.6 52.1 78.1#

127 19.6 7.0 10.4#



#48

Methyl methacrylate

Concen: 1.058 ug/l

RT: 7.68 min Scan# 1114

Delta R.T. -0.09 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

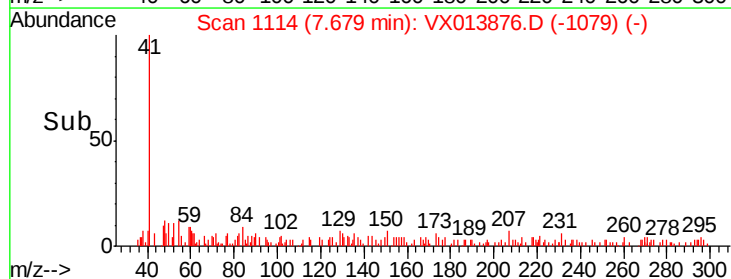
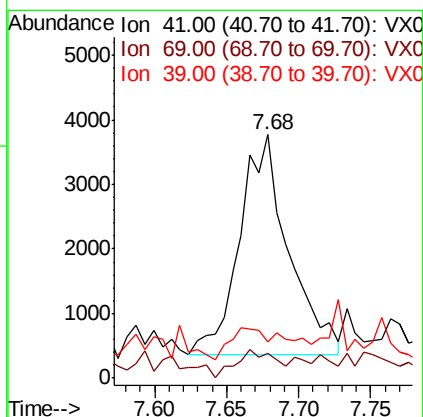
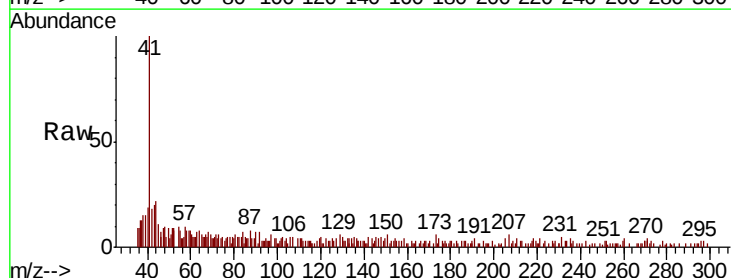
Tgt Ion: 41 Resp: 8034

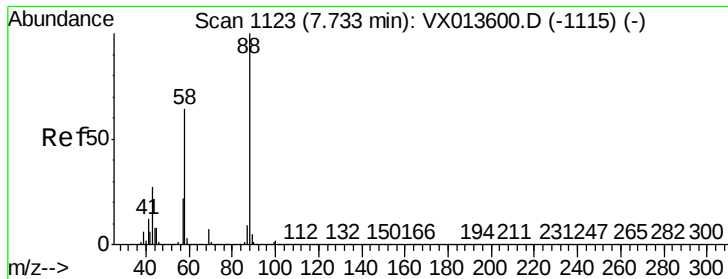
Ion Ratio Lower Upper

41 100

69 10.3 64.7 97.1#

39 0.0 43.8 65.6#





#49

1,4-Dioxane

Concen: 1.718 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

TR-04-120619

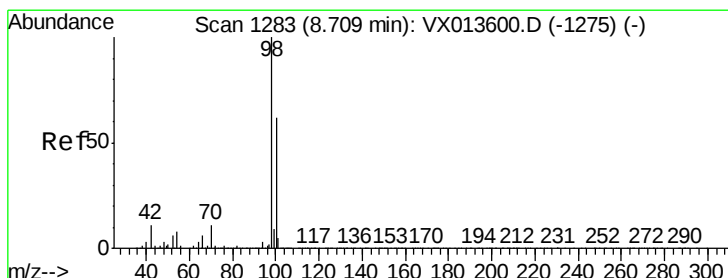
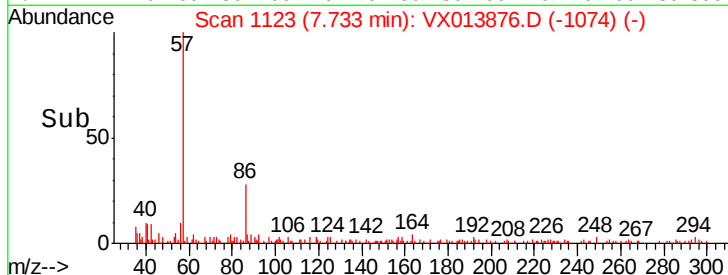
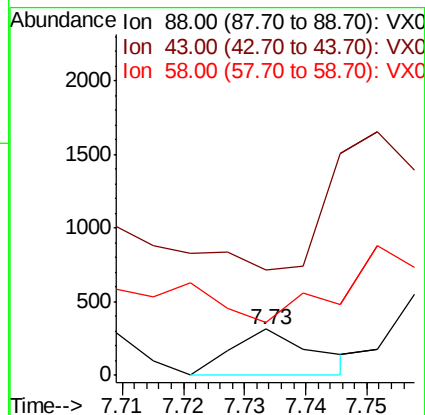
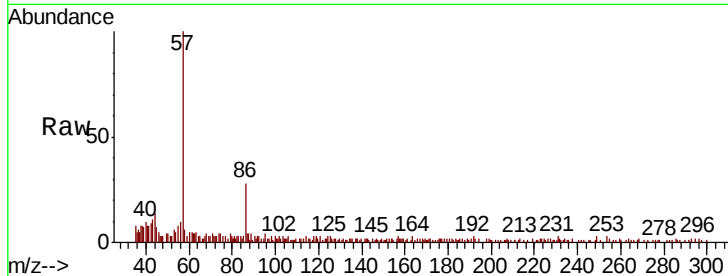
Tot Ion: 88 Resp: 292

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 204.5 54.6 82.0#



#50

Toluene-d8

Concen: 49.474 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013876.D

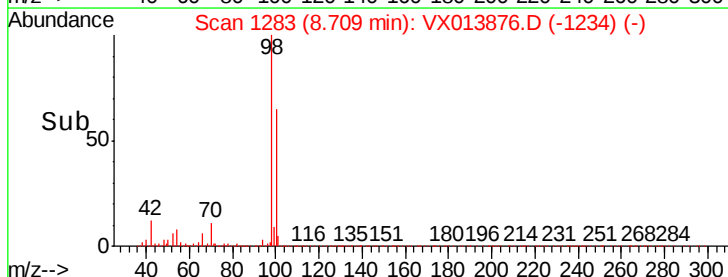
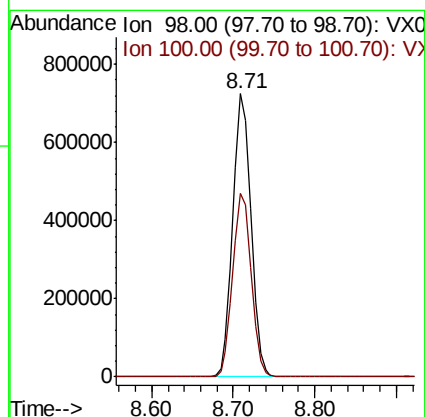
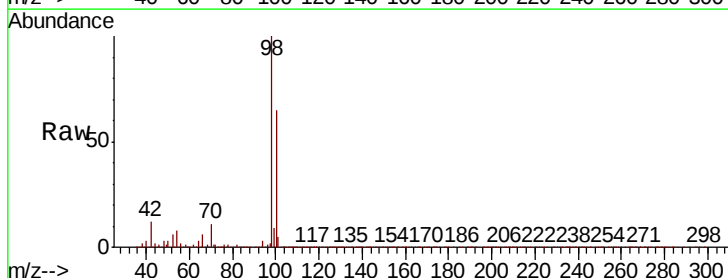
Acq: 10 Dec 2019 01:54

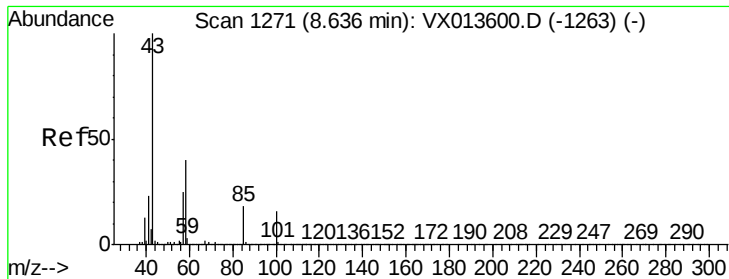
Tgt Ion: 98 Resp: 1110782

Ion Ratio Lower Upper

98 100

100 65.8 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 13.507 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

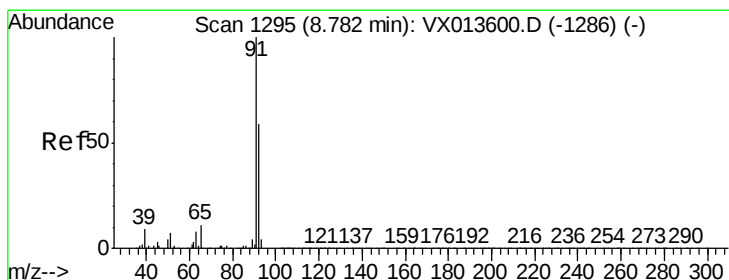
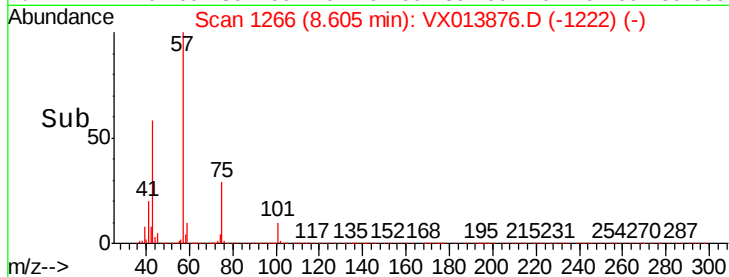
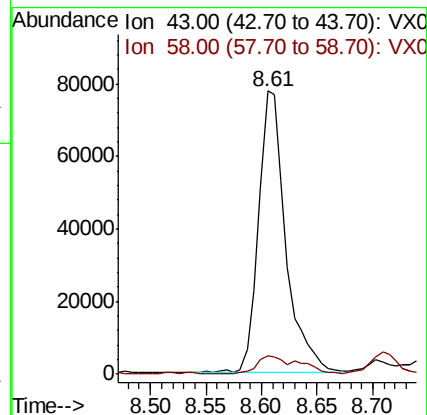
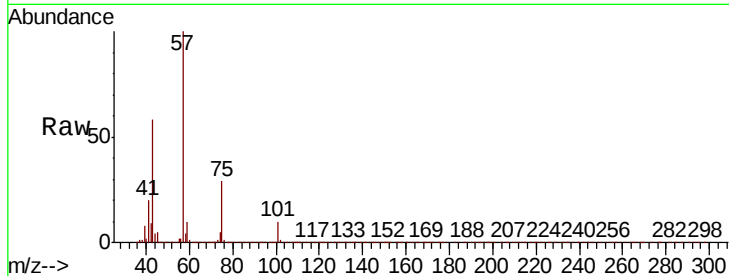
TR-04-120619

Tot Ion: 43 Resp: 132777

Ion Ratio Lower Upper

43 100

58 9.7 32.1 48.1#



#52

Toluene

Concen: 0.776 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013876.D

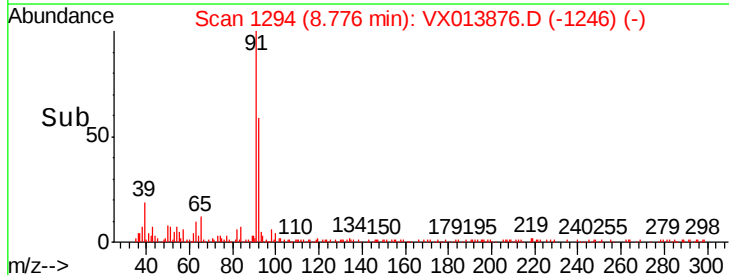
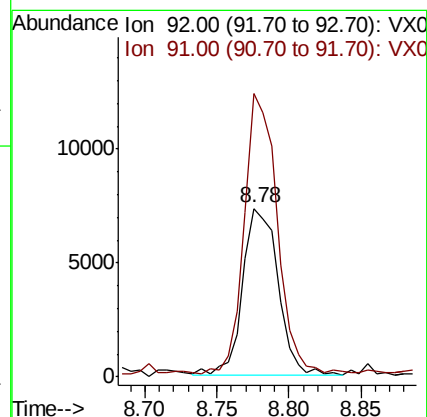
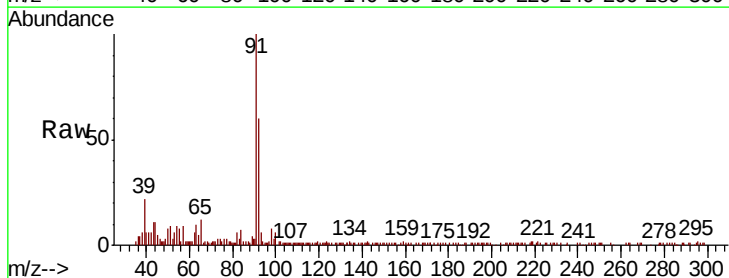
Acq: 10 Dec 2019 01:54

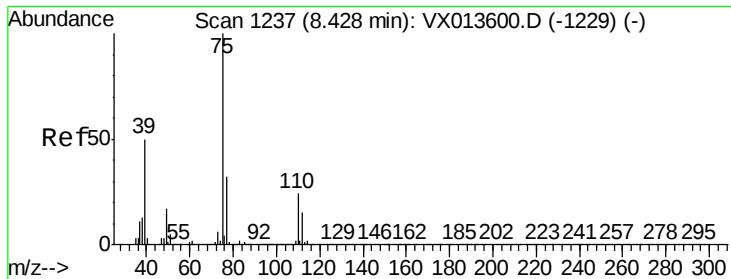
Tgt Ion: 92 Resp: 12417

Ion Ratio Lower Upper

92 100

91 158.1 136.2 204.2



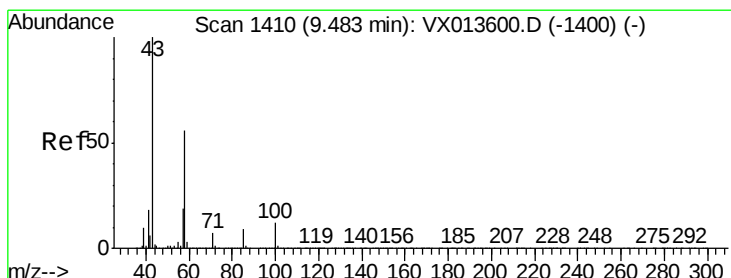
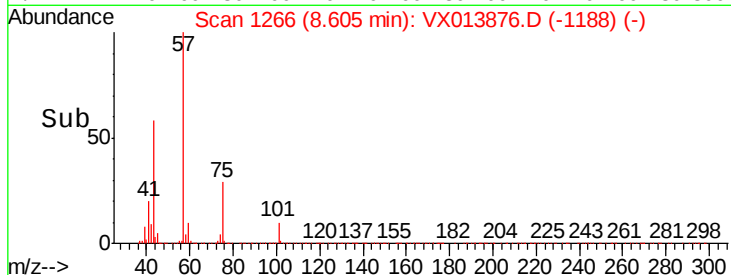
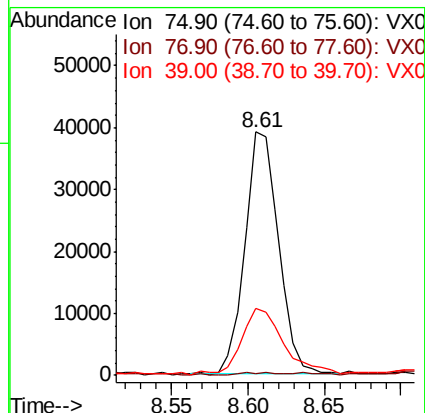
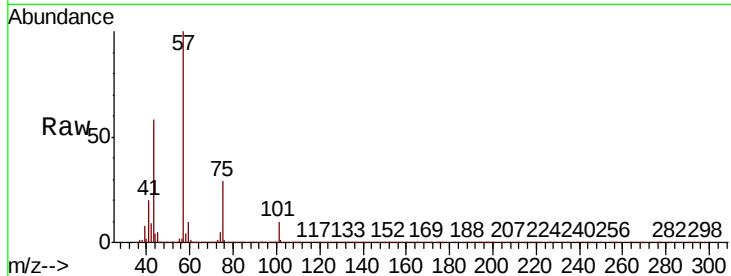


#54

cis-1,3-Dichloropropene  
 Concen: 5.781 ug/l  
 RT: 8.61 min Scan# 1266  
 Delta R.T. 0.18 min  
 Lab File: VX013876.D  
 Acq: 10 Dec 2019 01:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TR-04-120619

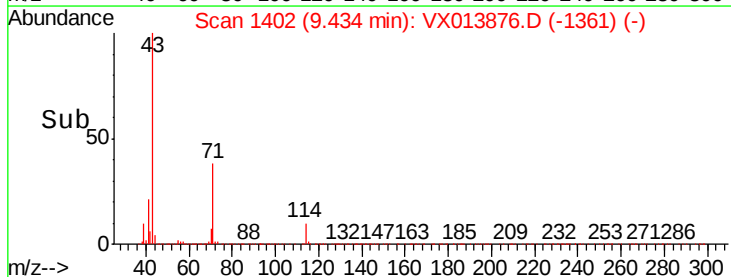
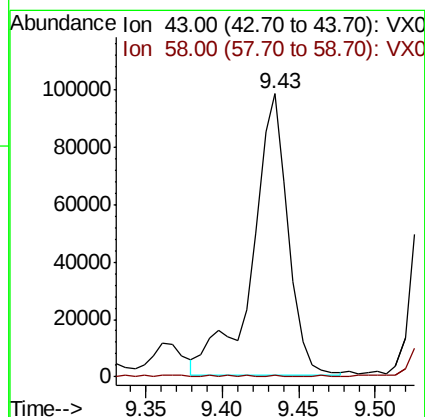
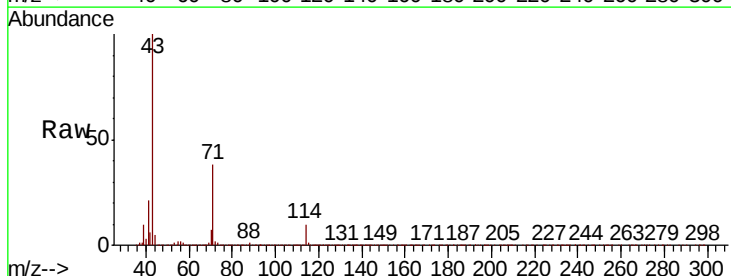
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 0.4   | 25.8  | 38.6# |
| 39      | 27.8  | 39.9  | 59.9# |

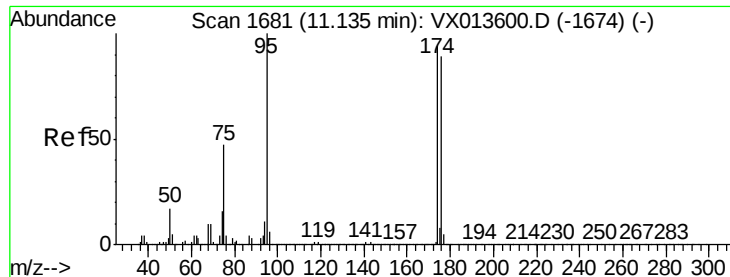


#59

2-Hexanone  
 Concen: 20.766 ug/l  
 RT: 9.43 min Scan# 1402  
 Delta R.T. -0.05 min  
 Lab File: VX013876.D  
 Acq: 10 Dec 2019 01:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 0.0   | 28.1  | 84.4# |

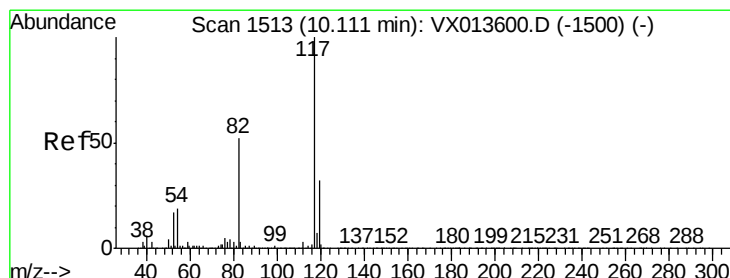
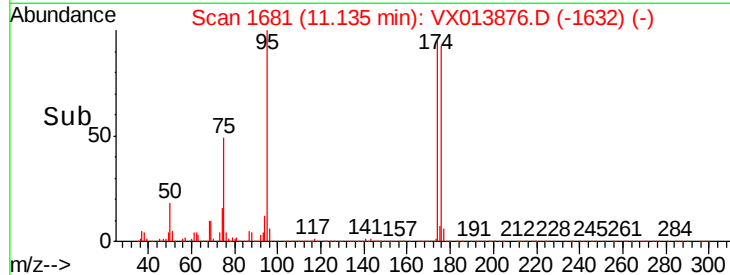
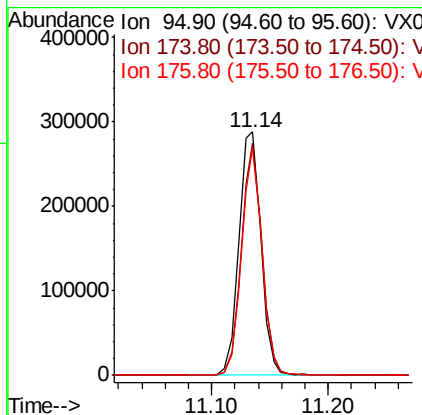
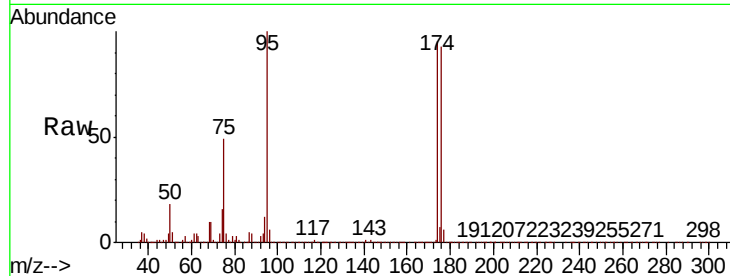




#62  
4-Bromofluorobenzene  
Concen: 46.777 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: VX013876.D  
Acq: 10 Dec 2019 01:54

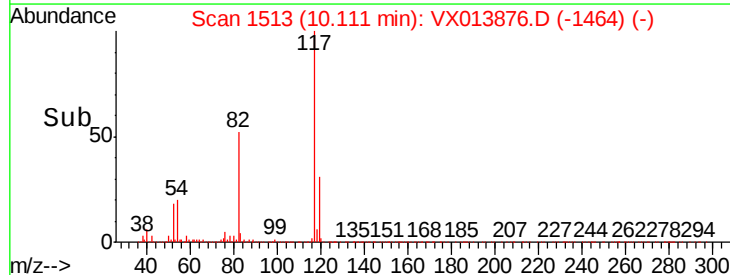
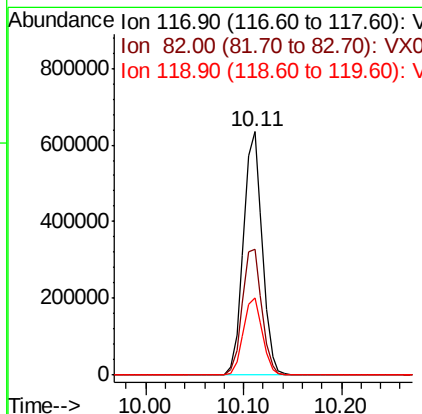
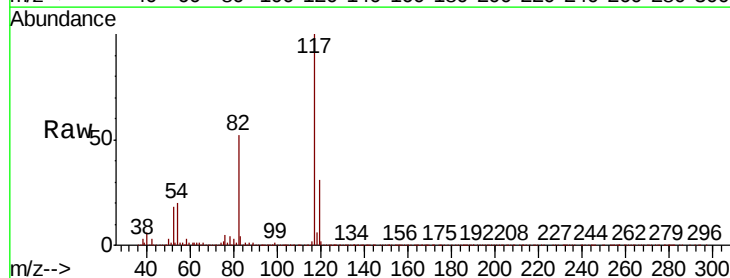
Instrument :  
MSVOA\_X  
ClientSampleId :  
TR-04-120619

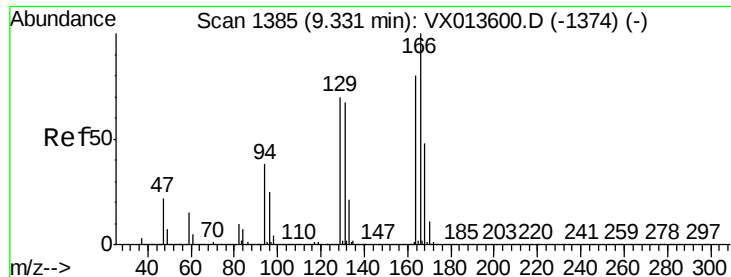
Tot Ion: 95 Resp: 378709  
Ion Ratio Lower Upper  
95 100  
174 89.6 0.0 180.0  
176 87.1 0.0 173.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013876.D  
Acq: 10 Dec 2019 01:54

Tgt Ion: 117 Resp: 847026  
Ion Ratio Lower Upper  
117 100  
82 51.6 41.8 62.8  
119 31.5 25.8 38.8





#64

Tetrachloroethene

Concen: 0.283 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

TR-04-120619

Tot Ion:164 Resp: 1785

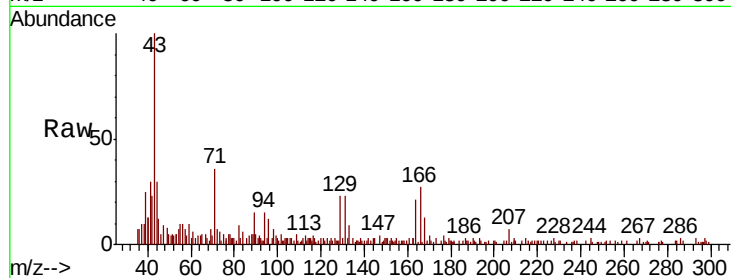
Ion Ratio Lower Upper

164 100

166 122.2 99.7 149.5

129 106.5 70.1 105.1#

131 82.5 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

2000

1500

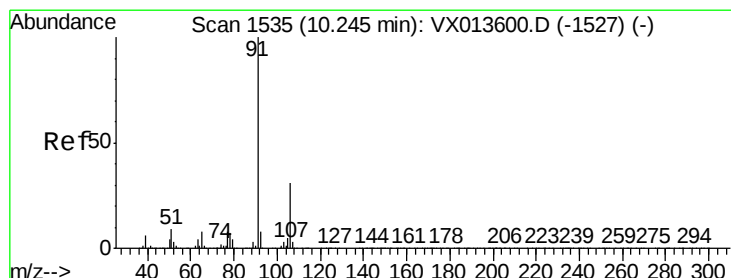
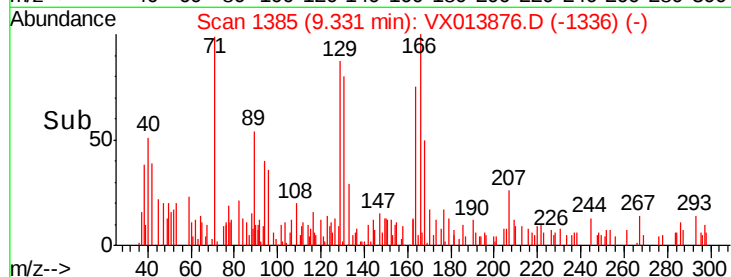
1000

500

0

9.30 9.35

Time-->



#67

Ethyl Benzene

Concen: 1.245 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX013876.D

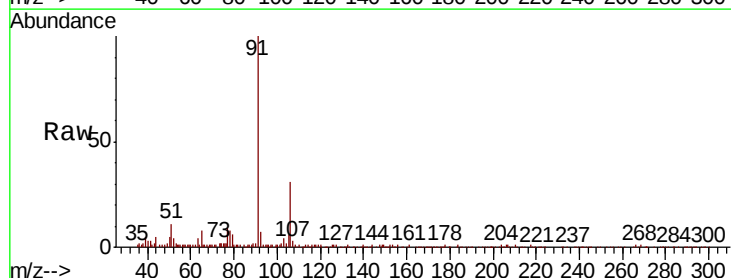
Acq: 10 Dec 2019 01:54

Tgt Ion: 91 Resp: 37616

Ion Ratio Lower Upper

91 100

106 30.7 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

80000

60000

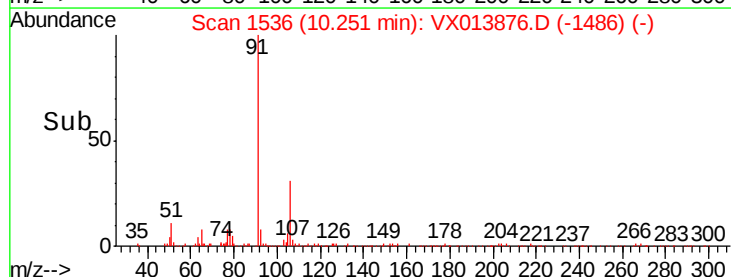
40000

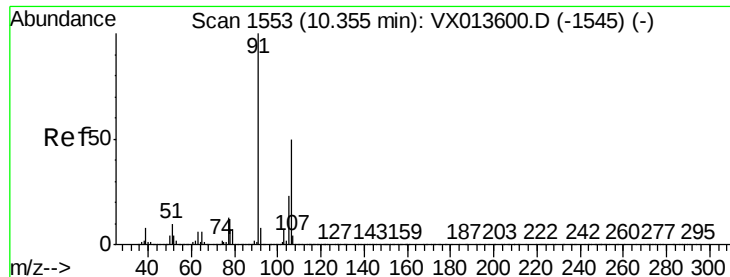
20000

0

10.20 10.25 10.30

Time-->





#68

m/p-Xylenes

Concen: 4.570 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

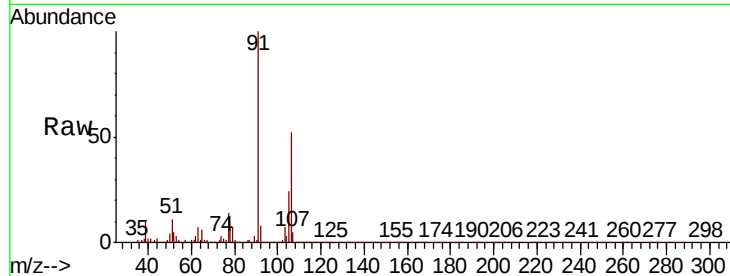
TR-04-120619

Tot Ion:106 Resp: 52872

Ion Ratio Lower Upper

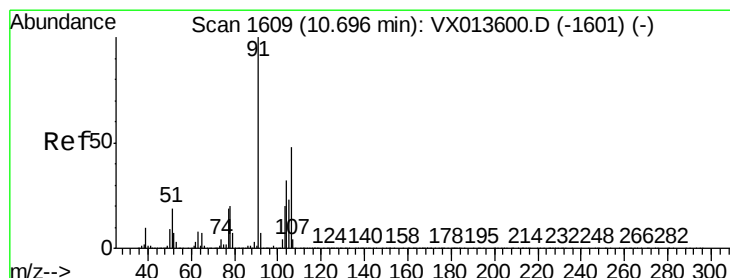
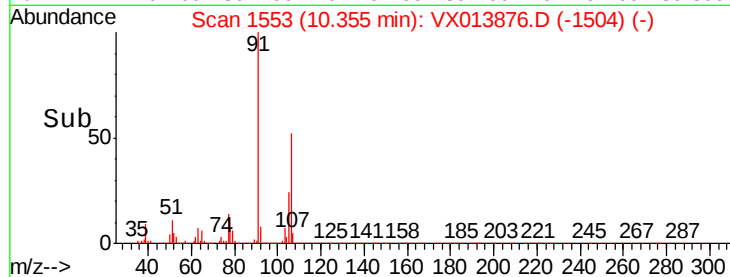
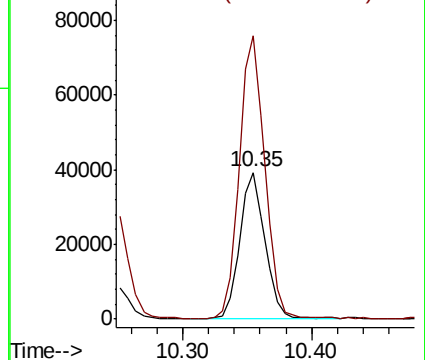
106 100

91 195.6 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 1.883 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013876.D

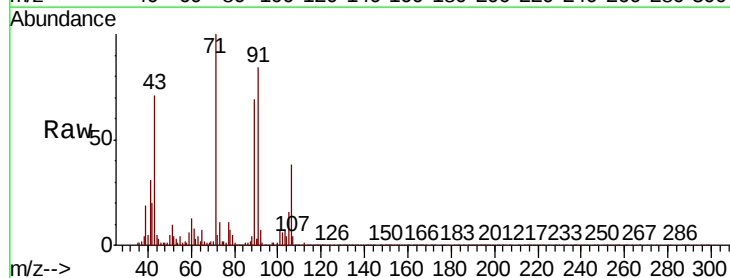
Acq: 10 Dec 2019 01:54

Tgt Ion:106 Resp: 21250

Ion Ratio Lower Upper

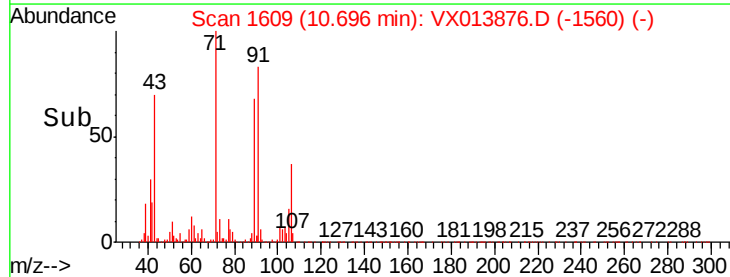
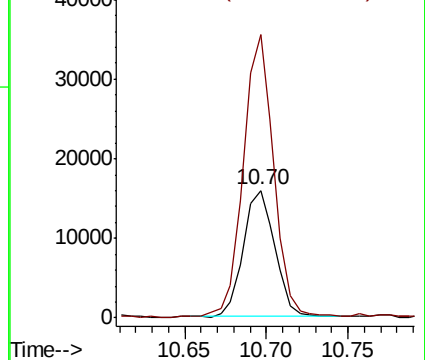
106 100

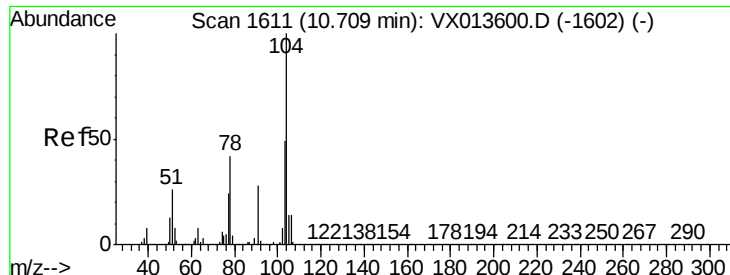
91 218.1 104.1 312.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 0.316 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

TR-04-120619

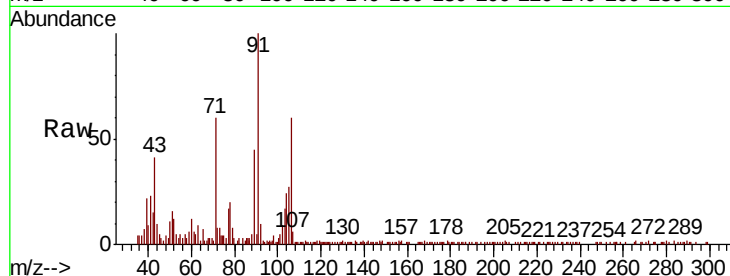
Tot Ion:104 Resp: 5990

Ion Ratio Lower Upper

104 100

78 76.7 38.5 57.7#

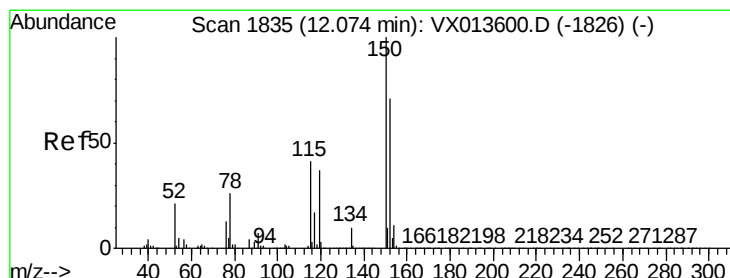
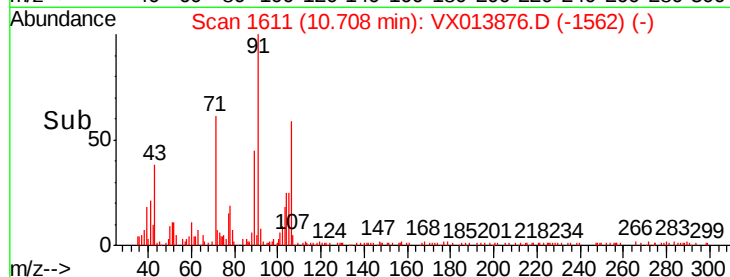
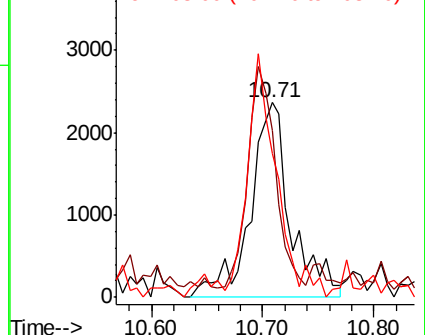
103 78.6 43.7 65.5#



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: VX013876.D

Acq: 10 Dec 2019 01:54

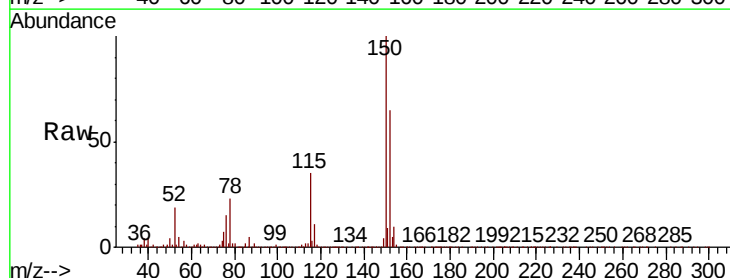
Tgt Ion:152 Resp: 379827

Ion Ratio Lower Upper

152 100

115 54.8 38.4 115.1

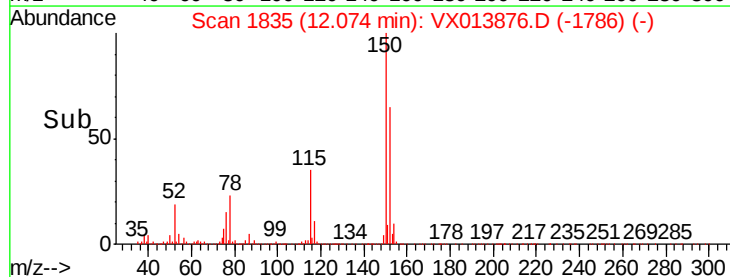
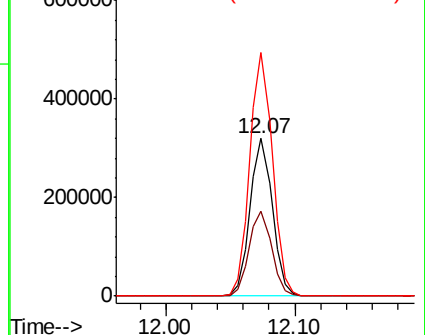
150 157.0 0.0 346.8

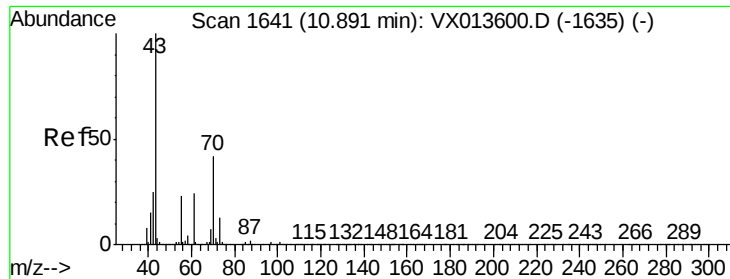


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.531 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

TR-04-120619

Tot Ion: 43 Resp: 6483

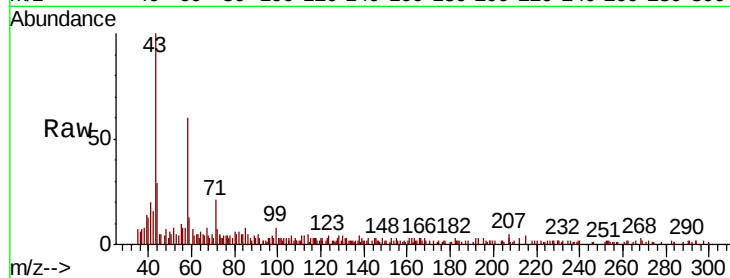
Ion Ratio Lower Upper

43 100

70 0.0 34.3 51.5#

55 4.9 18.5 27.7#

61 0.0 19.8 29.8#

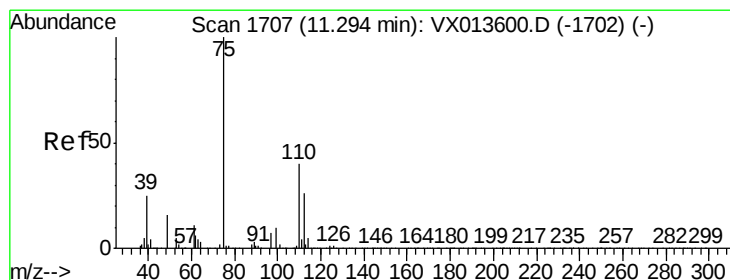
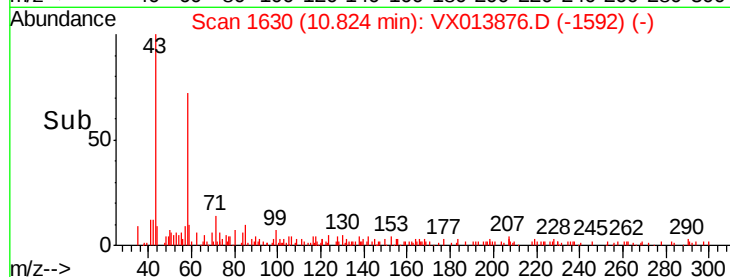
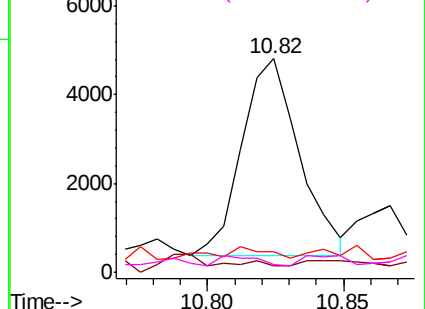


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.735 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013876.D

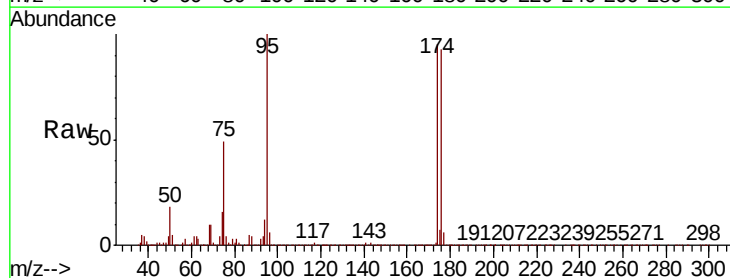
Acq: 10 Dec 2019 01:54

Tgt Ion: 75 Resp: 185682

Ion Ratio Lower Upper

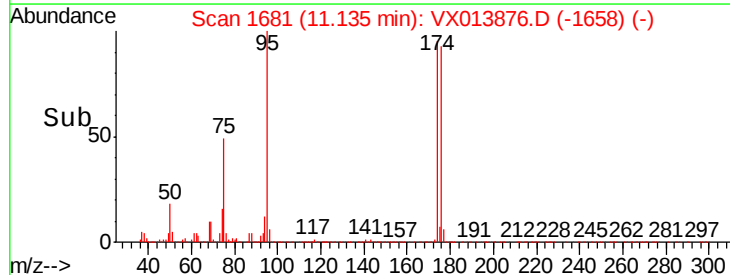
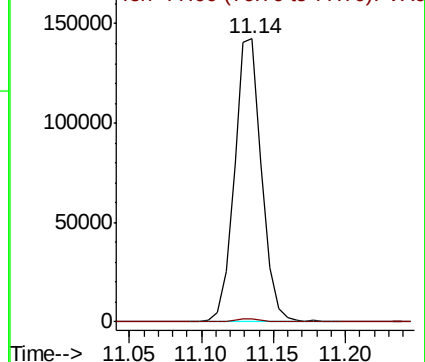
75 100

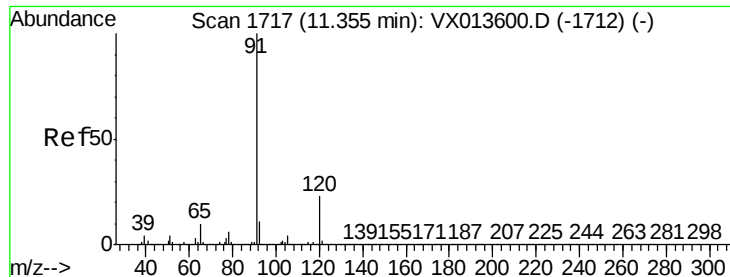
77 1.1 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.373 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampled :

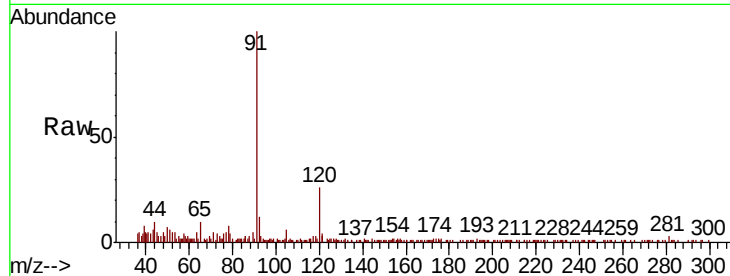
TR-04-120619

Tot Ion: 91 Resp: 11103

Ion Ratio Lower Upper

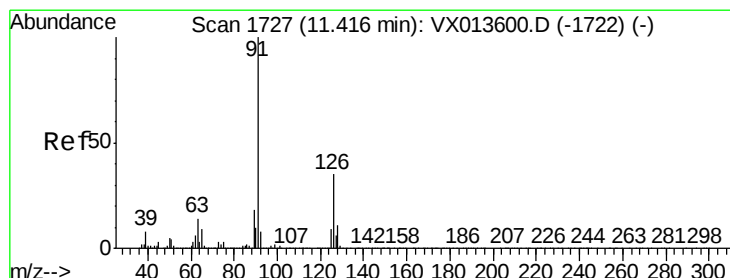
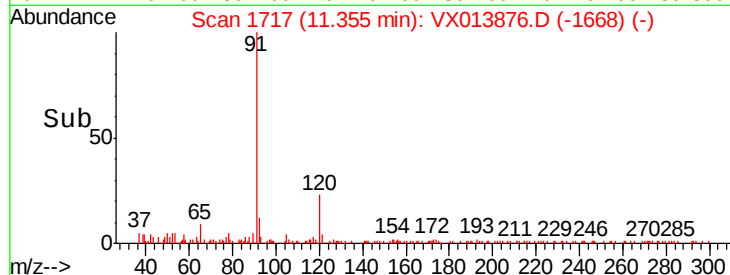
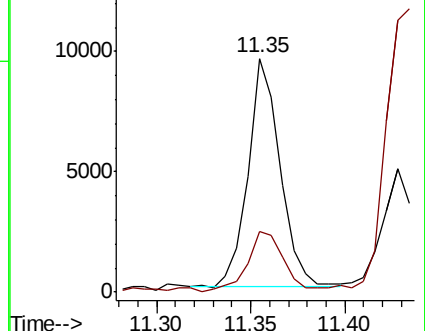
91 100

120 30.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.479 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VX013876.D

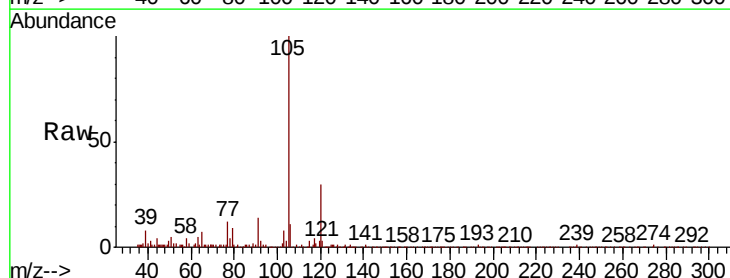
Acq: 10 Dec 2019 01:54

Tgt Ion: 91 Resp: 8545

Ion Ratio Lower Upper

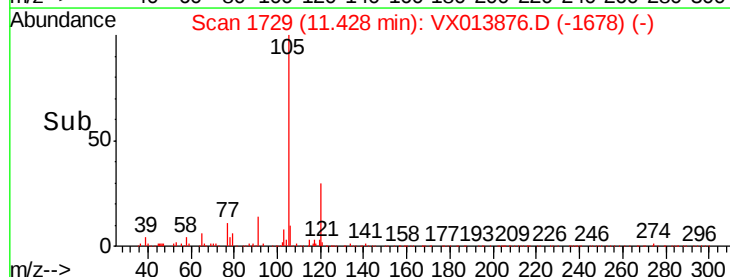
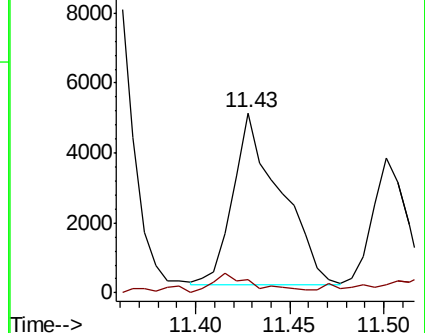
91 100

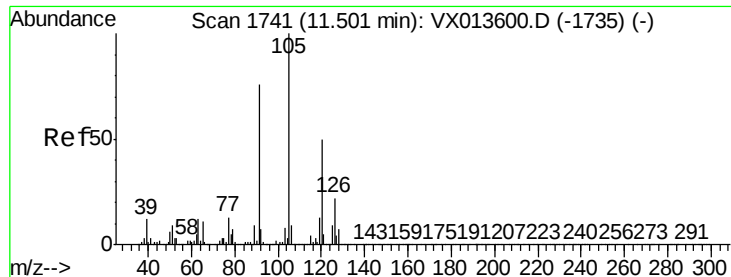
126 11.0 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

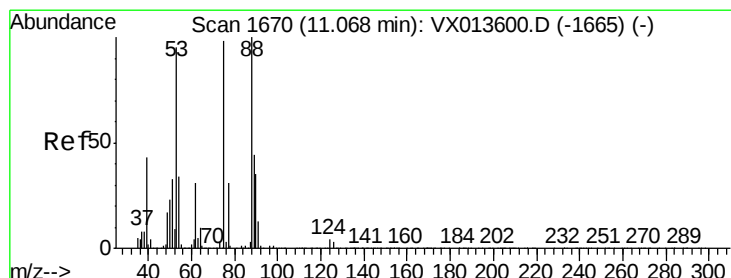
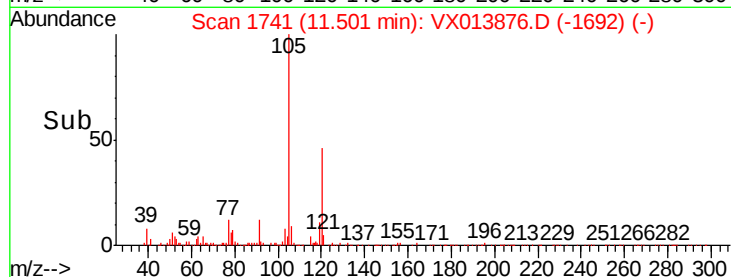
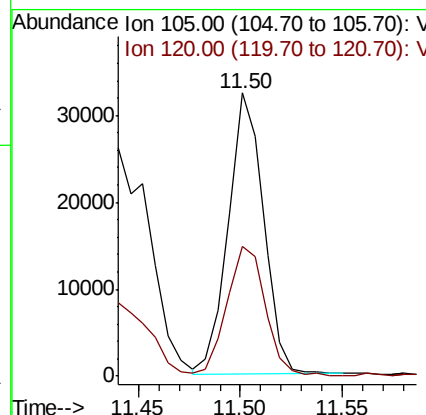
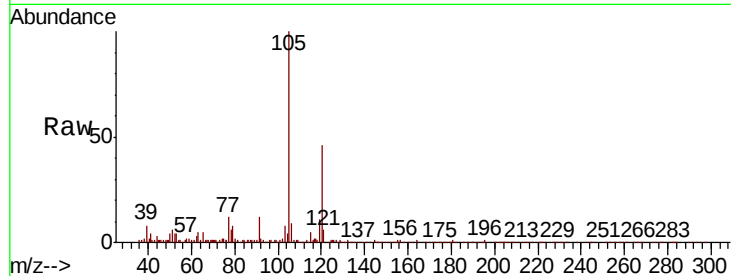




#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.770 ug/l  
 RT: 11.50 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: VX013876.D  
 Acq: 10 Dec 2019 01:54

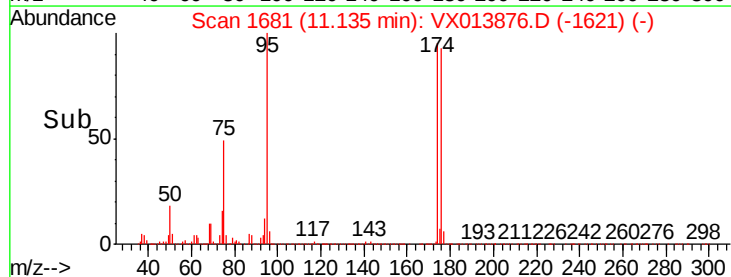
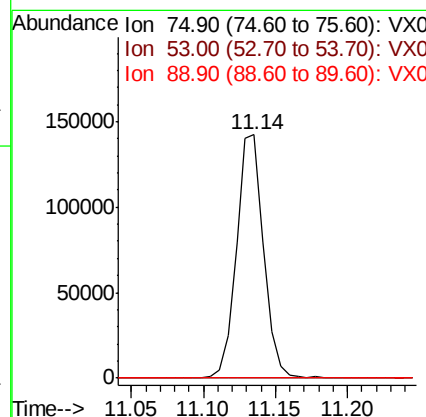
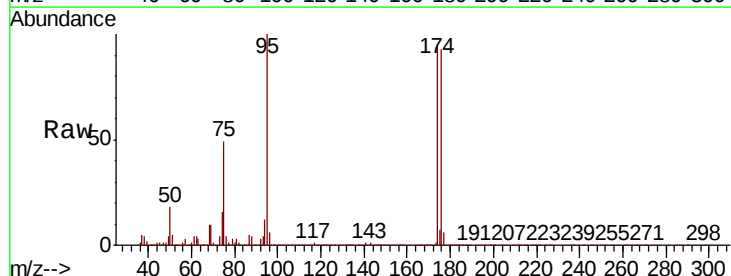
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TR-04-120619

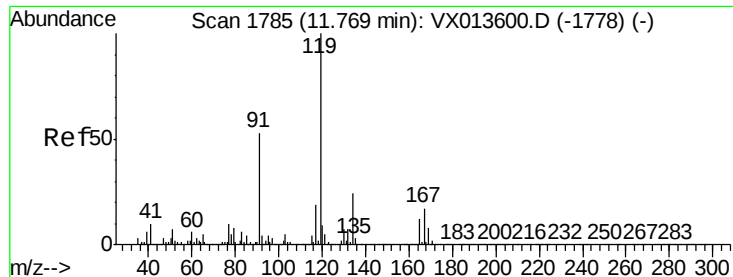
Tot Ion:105 Resp: 38654  
 Ion Ratio Lower Upper  
 105 100  
 120 49.7 25.3 75.9



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 59.463 ug/l  
 RT: 11.14 min Scan# 1681  
 Delta R.T. 0.07 min  
 Lab File: VX013876.D  
 Acq: 10 Dec 2019 01:54

Tgt Ion: 75 Resp: 185682  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 78.2 117.2#  
 89 0.1 35.4 53.2#

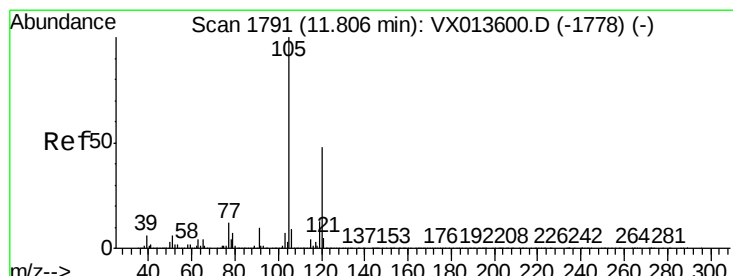
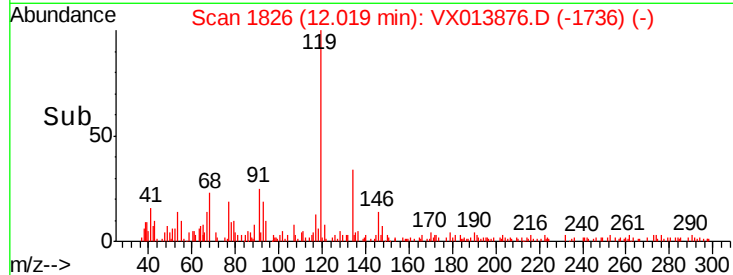
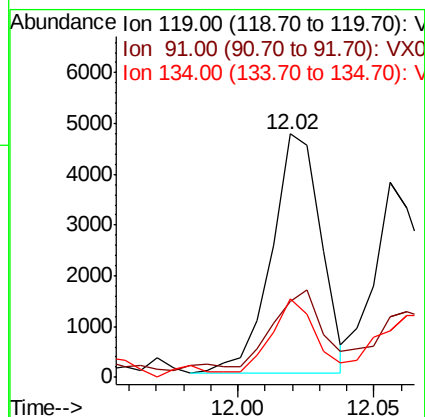
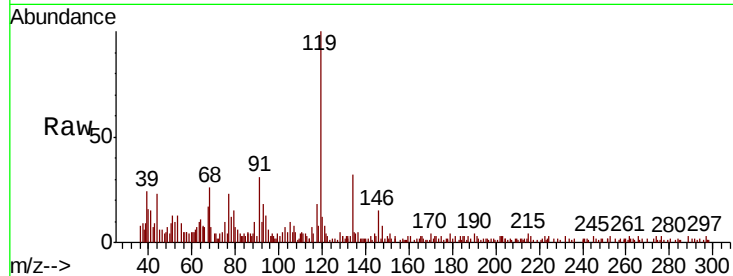




#83  
tert-Butylbenzene  
Concen: 0.267 ug/l  
RT: 12.02 min Scan# 1826  
Delta R.T. 0.25 min  
Lab File: VX013876.D  
Acq: 10 Dec 2019 01:54

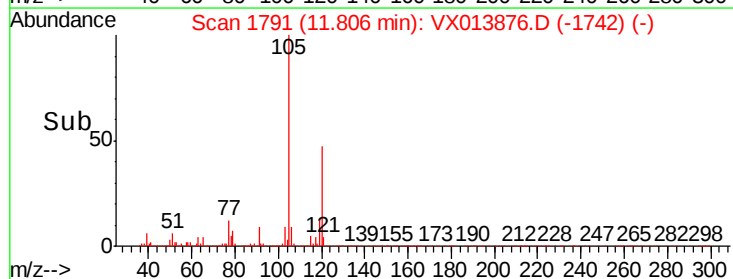
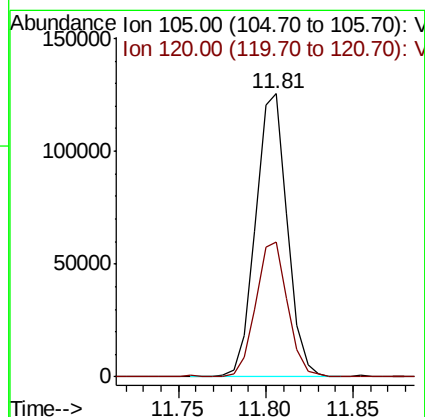
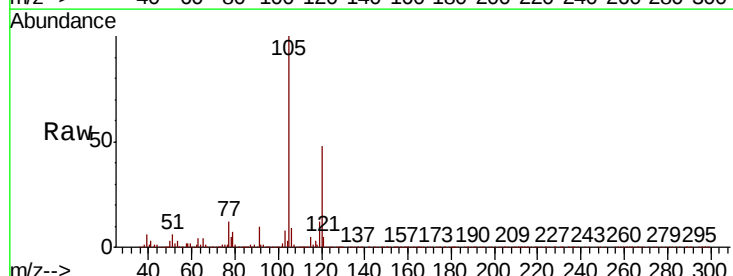
Instrument :  
MSVOA\_X  
ClientSampleId :  
TR-04-120619

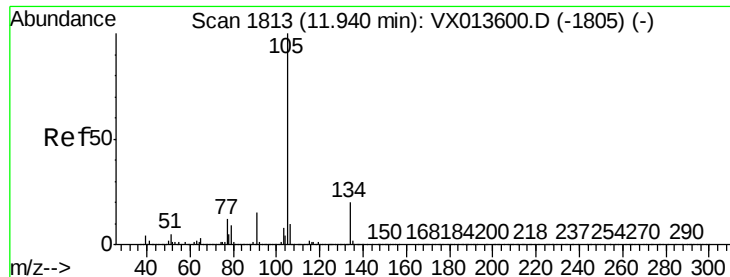
Tot Ion:119 Resp: 5934  
Ion Ratio Lower Upper  
119 100  
91 35.8 27.2 81.6  
134 26.4 11.7 35.1



#84  
1,2,4-Trimethylbenzene  
Concen: 7.125 ug/l  
RT: 11.81 min Scan# 1791  
Delta R.T. -0.00 min  
Lab File: VX013876.D  
Acq: 10 Dec 2019 01:54

Tgt Ion:105 Resp: 157902  
Ion Ratio Lower Upper  
105 100  
120 47.7 23.1 69.3





#85

sec-Butylbenzene

Concen: 6.229 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. -0.13 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampleId :

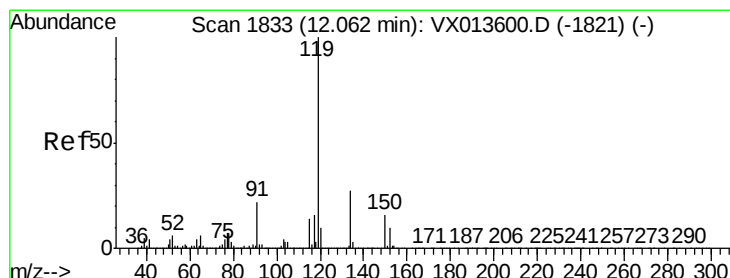
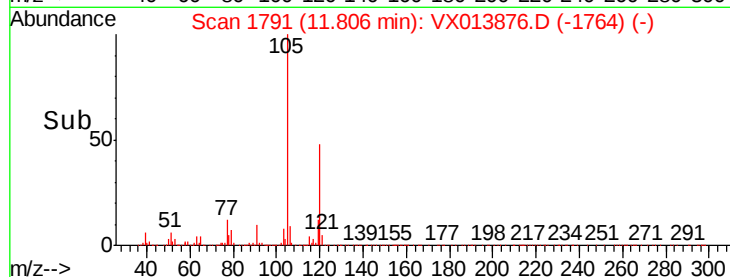
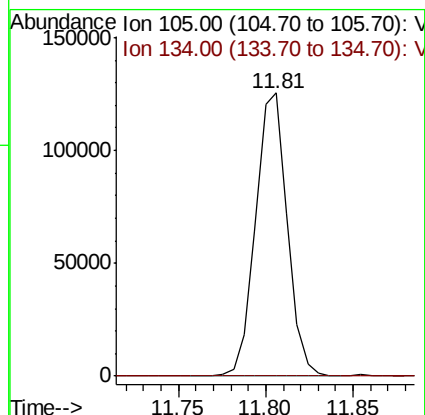
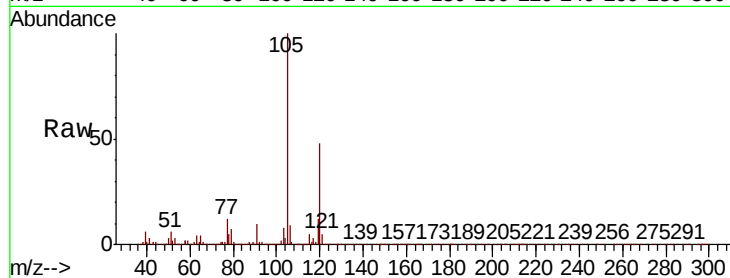
TR-04-120619

Tot Ion:105 Resp: 157902

Ion Ratio Lower Upper

105 100

134 0.2 10.4 31.2#



#86

p-Isopropyltoluene

Concen: 0.211 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

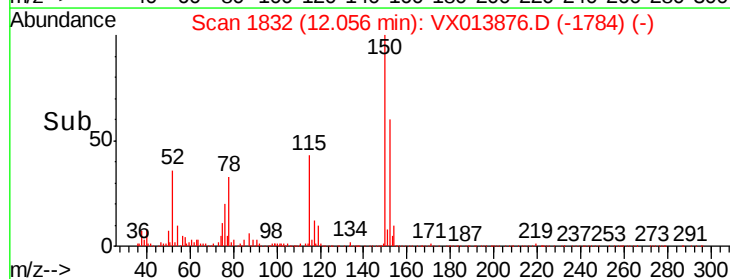
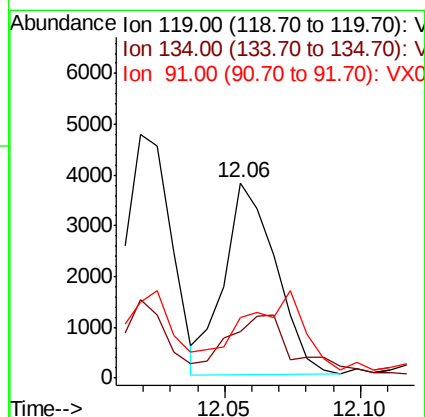
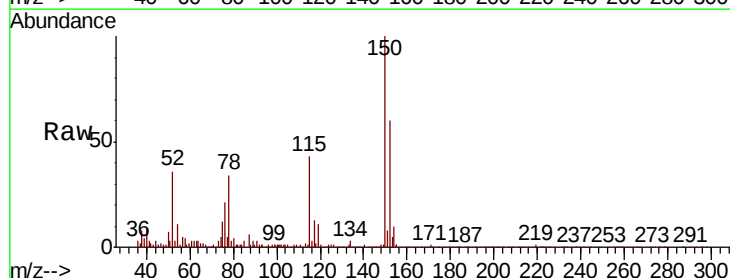
Tgt Ion:119 Resp: 4967

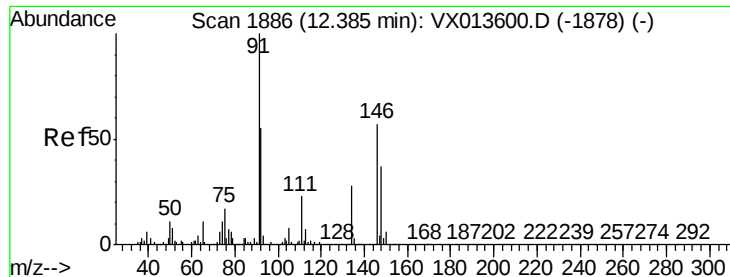
Ion Ratio Lower Upper

119 100

134 39.2 13.3 39.9

91 47.5 11.3 33.8#





#89

n-Butylbenzene

Concen: 0.353 ug/l

RT: 12.37 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VX013876.D

Acq: 10 Dec 2019 01:54

Instrument :

MSVOA\_X

ClientSampled :

TR-04-120619

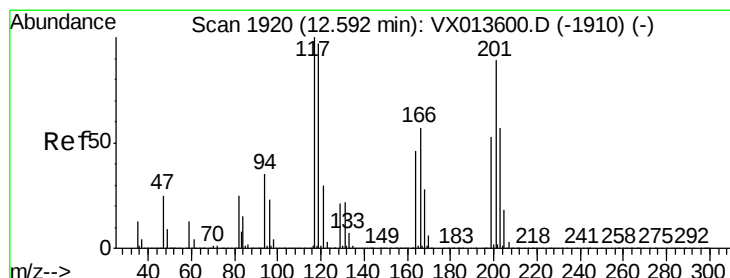
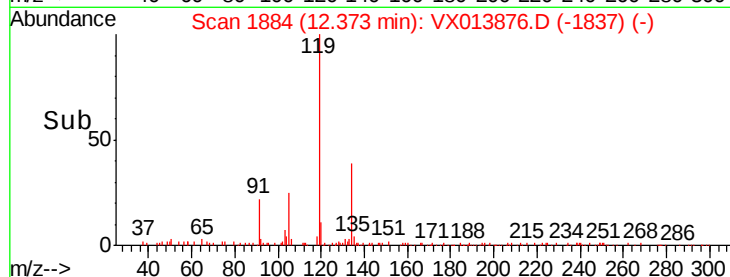
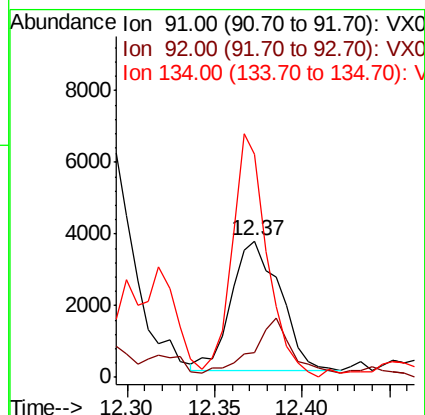
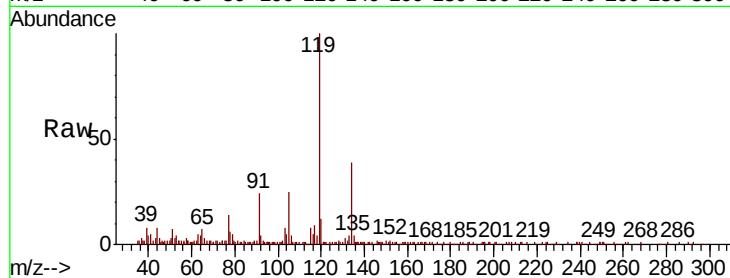
Tot Ion: 91 Resp: 7103

Ion Ratio Lower Upper

91 100

92 34.8 27.4 82.2

134 133.3 13.5 40.4#



#90

Hexachloroethane

Concen: 0.411 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VX013876.D

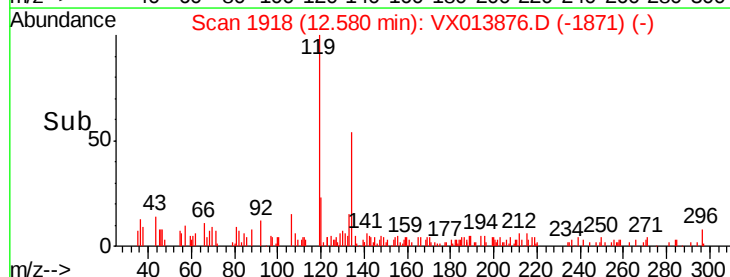
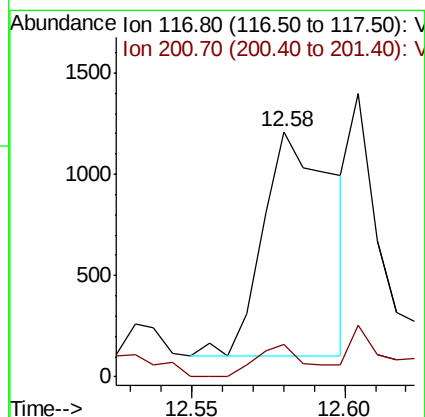
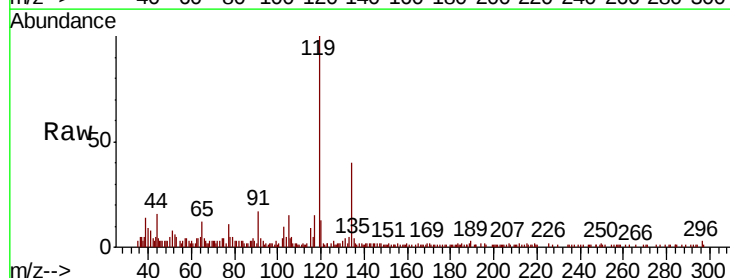
Acq: 10 Dec 2019 01:54

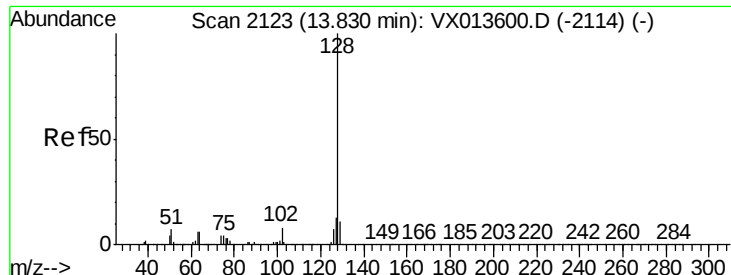
Tgt Ion: 117 Resp: 1754

Ion Ratio Lower Upper

117 100

201 9.9 44.1 132.4#





#95  
Naphthalene  
Concen: 10.335 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. -0.00 min  
Lab File: VX013876.D  
Acq: 10 Dec 2019 01:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
TR-04-120619

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.3  | 15.5  |
| 129     | 11.2  | 8.7   | 13.1  |

