

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX112219\  
 Data File : VX013537.D  
 Acq On : 22 Nov 2019 16:45  
 Operator : JC/SP  
 Sample : K5958-02DL 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2DL

Quant Time: Nov 22 17:15:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 681088   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 1110214  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 996446   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 459090   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 400094   | 49.58 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.16%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 336686   | 48.35 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.70%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1323577  | 50.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.84% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 464079   | 48.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.96%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.32  | 50   | 1972     | 0.232     | ug/l # | 79     |
| 6) Chloroethane                | 1.69  | 64   | 1004     | Below Cal | #      | 78     |
| 9) 1,1,2-Trichlorotrifluoroet  | 2.38  | 101  | 1495     | 0.234     | ug/l # | 16     |
| 10) Methyl Iodide              | 2.50  | 142  | 1772     | 0.224     | ug/l # | 48     |
| 11) Tert butyl alcohol         | 3.01  | 59   | 9027     | 4.245     | ug/l # | 93     |
| 13) Acrolein                   | 2.31  | 56   | 348      | 0.302     | ug/l # | 32     |
| 16) Acetone                    | 2.43  | 43   | 9036     | 2.245     | ug/l   | 90     |
| 17) Carbon Disulfide           | 2.56  | 76   | 3929     | 0.235     | ug/l   | 98     |
| 20) Methylene Chloride         | 2.85  | 84   | 5634     | 0.758     | ug/l # | 85     |
| 25) 2-Butanone                 | 4.68  | 43   | 3241     | 0.549     | ug/l   | 95     |
| 28) Bromochloromethane         | 5.04  | 49   | 1461     | 0.420     | ug/l # | 24     |
| 29) Tetrahydrofuran            | 5.13  | 42   | 1039     | 0.286     | ug/l # | 35     |
| 36) 1,1-Dichloropropene        | 5.65  | 75   | 43493    | 4.567     | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 5.65  | 117  | 59112    | 6.347     | ug/l # | 16     |
| 39) Methylcyclohexane          | 7.45  | 83   | 5252     | 0.443     | ug/l # | 62     |
| 44) Trichloroethene            | 7.20  | 130  | 2300     | 0.282     | ug/l   | 56     |
| 49) 1,4-Dioxane                | 7.72  | 88   | 660      | 3.150     | ug/l # | 24     |
| 55) 1,1,2-Trichloroethane      | 9.16  | 97   | 9692     | 1.272     | ug/l # | 21     |
| 56) Ethyl methacrylate         | 9.17  | 69   | 2605     | 1.757     | ug/l # | 8      |
| 64) Tetrachloroethene          | 9.33  | 164  | 1890     | 0.265     | ug/l # | 59     |
| 67) Ethyl Benzene              | 10.25 | 91   | 198417   | 5.699     | ug/l   | 100    |
| 68) m/p-Xylenes                | 10.35 | 106  | 82176    | 6.241     | ug/l   | 98     |
| 71) Bromoform                  | 10.86 | 173  | 179      | 3.227     | ug/l # | 28     |
| 73) Isopropylbenzene           | 11.01 | 105  | 459544   | 15.098    | ug/l   | 100    |
| 74) N-amyl acetate             | 10.90 | 43   | 87857    | 6.224     | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 58353    | 5.255     | ug/l # | 26     |
| 76) 1,2,3-Trichloropropane     | 11.35 | 75   | 6983     | 0.749     | ug/l # | 1      |
| 78) n-propylbenzene            | 11.35 | 91   | 1030558  | 30.394    | ug/l   | 100    |
| 79) 2-Chlorotoluene            | 11.45 | 91   | 96610    | 4.729     | ug/l # | 41     |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 666514   | 26.289    | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 224921   | 62.087    | ug/l # | 11     |
| 82) 4-Chlorotoluene            | 11.50 | 91   | 73165    | 3.060     | ug/l # | 49     |
| 83) tert-Butylbenzene          | 11.76 | 119  | 66875    | 2.620     | ug/l   | 88     |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 3470594  | 136.459   | ug/l   | 97     |

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 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

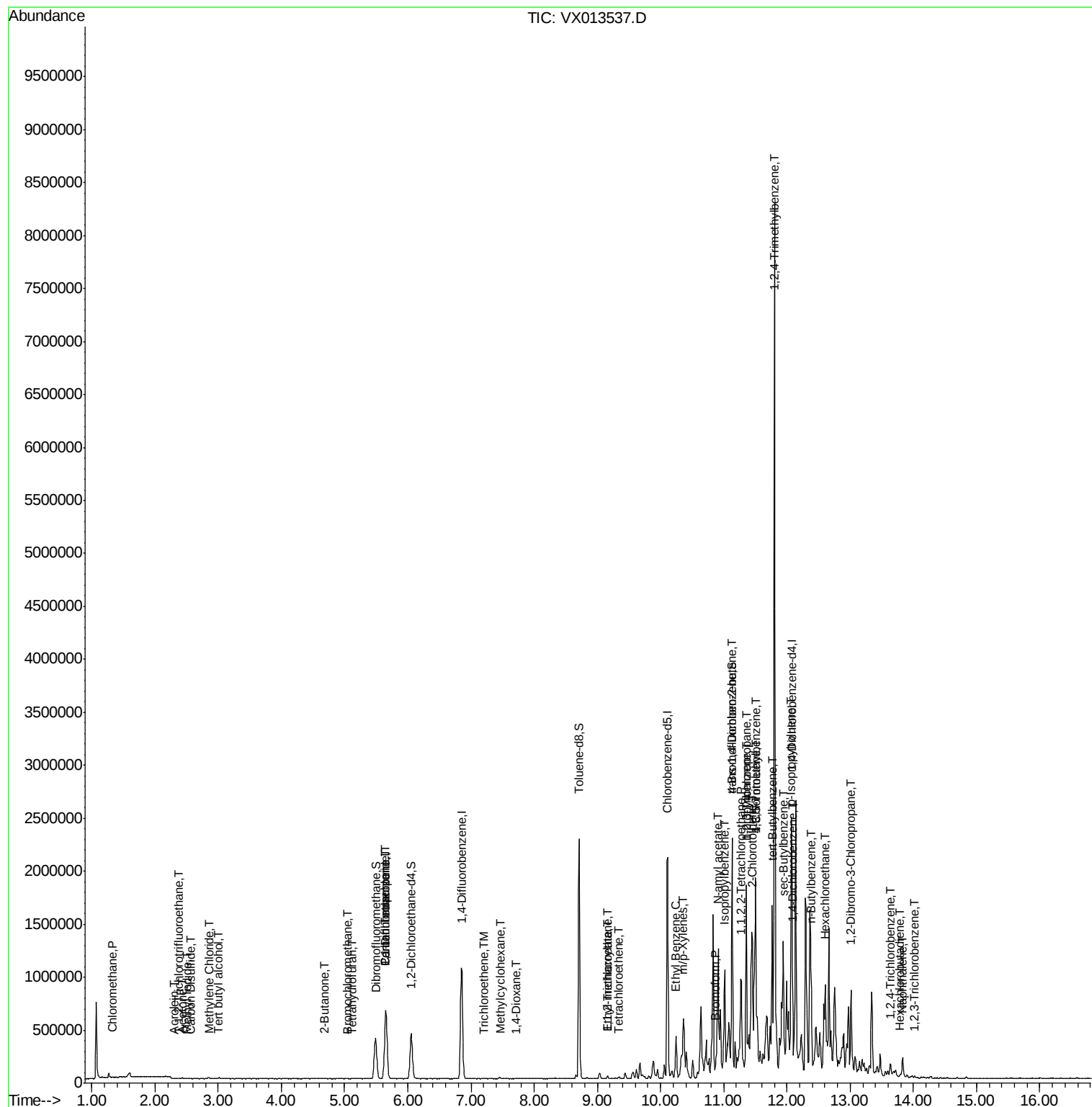
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 85) sec-Butylbenzene           | 11.94 | 105  | 387810   | 13.221 | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 184590   | 6.834  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 3038     | 0.206  | ug/l # | 1        |
| 89) n-Butylbenzene             | 12.38 | 91   | 285947   | 12.133 | ug/l # | 61       |
| 90) Hexachloroethane           | 12.60 | 117  | 21290    | 4.424  | ug/l # | 7        |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 2179     | 0.805  | ug/l # | 16       |
| 93) 1,2,4-Trichlorobenzene     | 13.64 | 180  | 3227     | 0.320  | ug/l # | 7        |
| 94) Hexachlorobutadiene        | 13.78 | 225  | 1530     | 0.310  | ug/l   | 90       |
| 95) Naphthalene                | 13.83 | 128  | 118005   | 3.729  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 2868     | 0.284  | ug/l # | 60       |

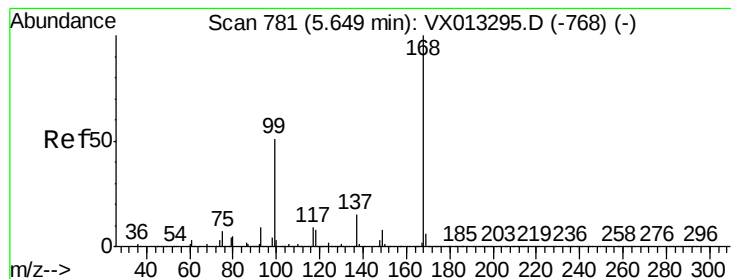
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampled :

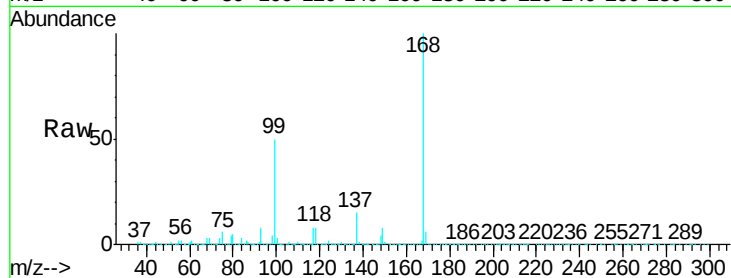
MW-2DL

Tgt Ion:168 Resp: 681088

Ion Ratio Lower Upper

168 100

99 49.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

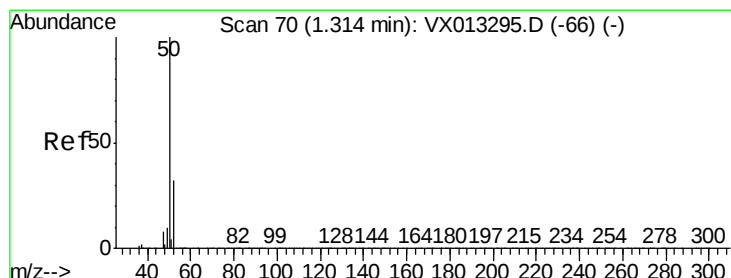
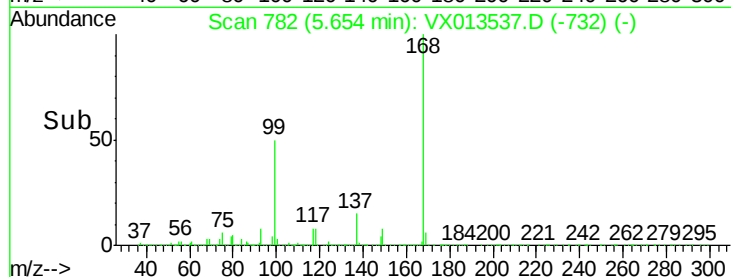
150000

100000

50000

0

Time--> 5.40 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.232 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013537.D

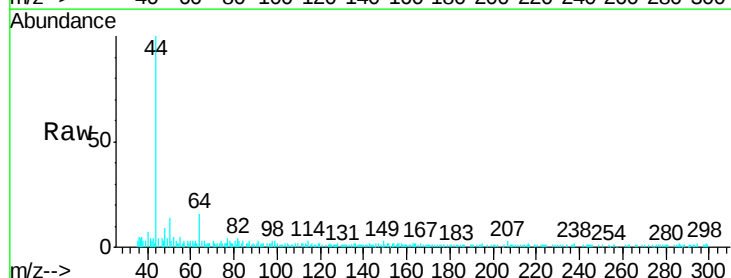
Acq: 22 Nov 2019 16:45

Tgt Ion: 50 Resp: 1972

Ion Ratio Lower Upper

50 100

52 20.4 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

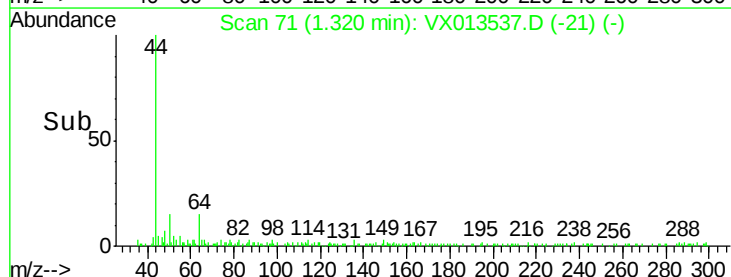
1500

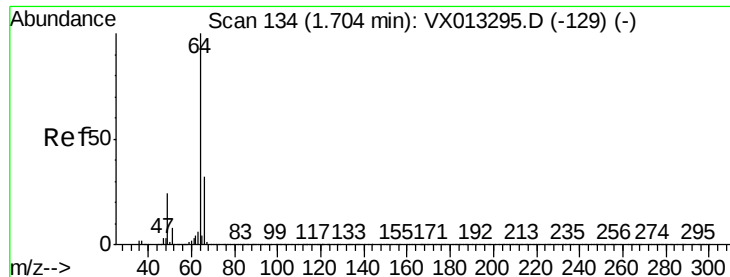
1000

500

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampleId :

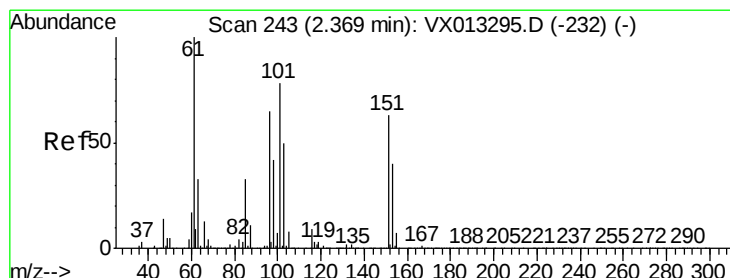
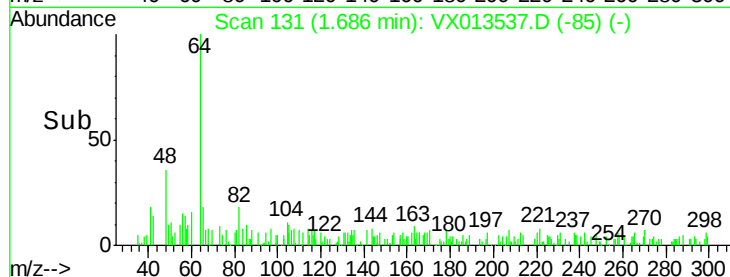
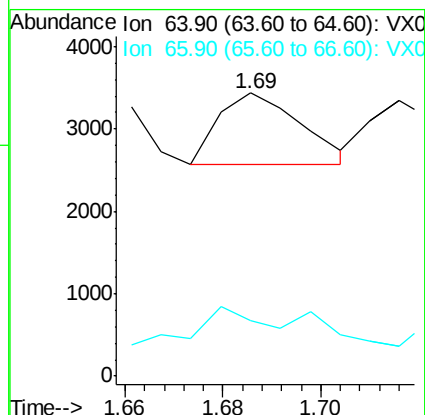
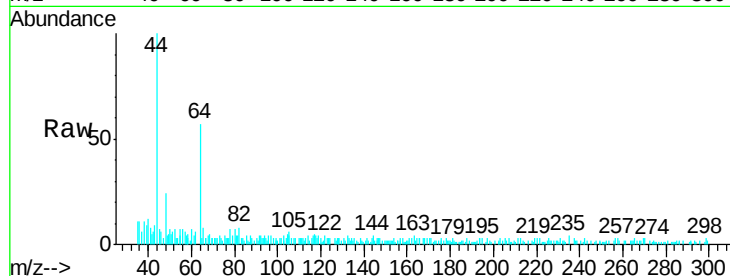
MW-2DL

Tgt Ion: 64 Resp: 1004

Ion Ratio Lower Upper

64 100

66 19.9 25.6 38.4#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.234 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

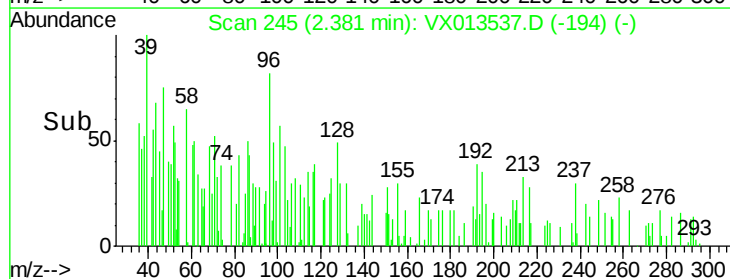
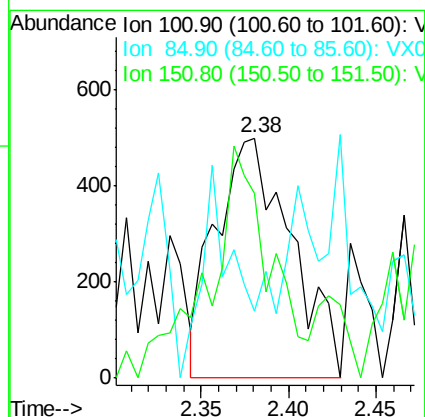
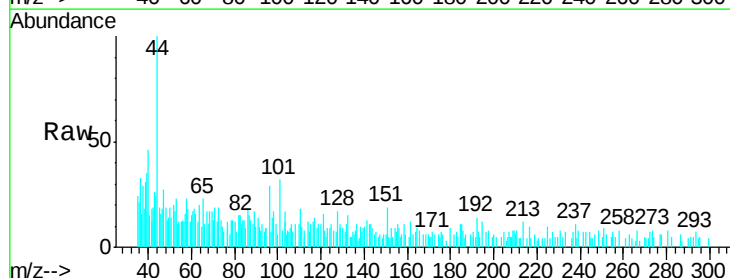
Tgt Ion: 101 Resp: 1495

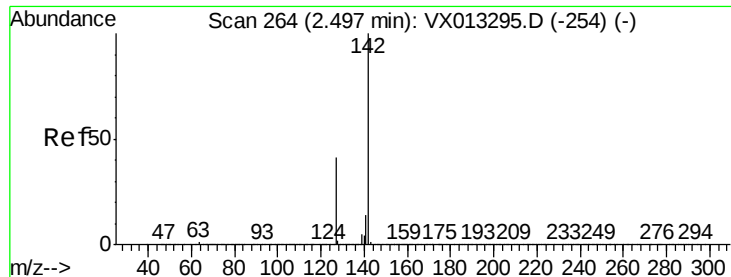
Ion Ratio Lower Upper

101 100

85 0.0 34.4 51.6#

151 0.0 66.4 99.6#





#10

Methyl Iodide

Concen: 0.224 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampled :

MW-2DL

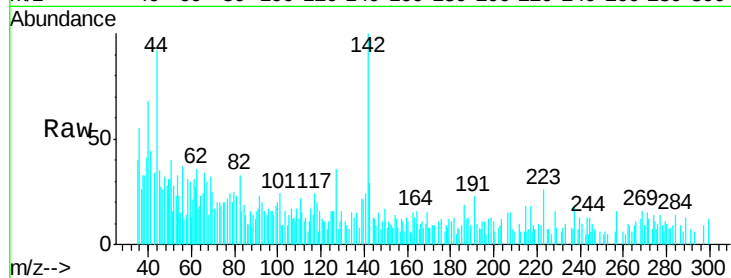
Tgt Ion:142 Resp: 1772

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

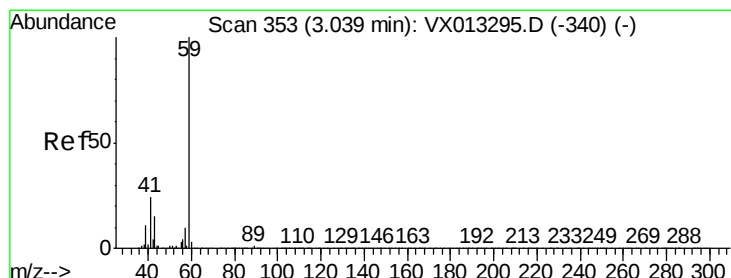
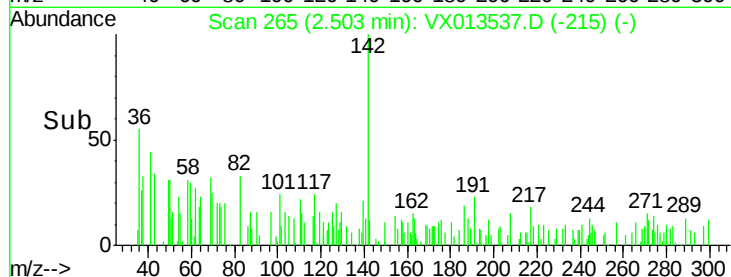
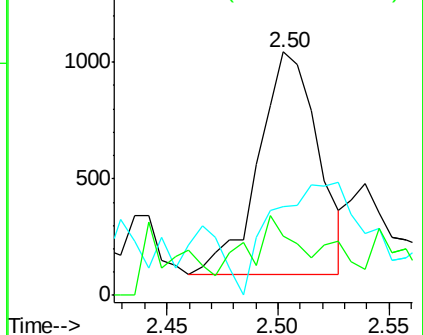
141 19.9 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 4.245 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX013537.D

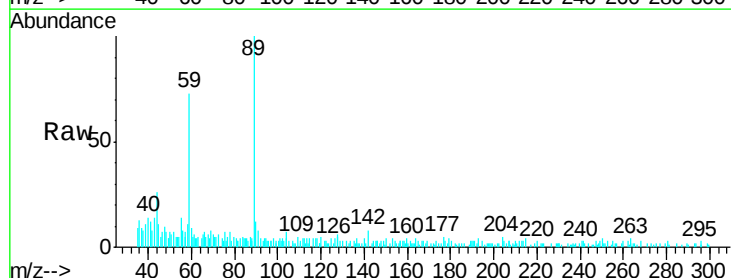
Acq: 22 Nov 2019 16:45

Tgt Ion: 59 Resp: 9027

Ion Ratio Lower Upper

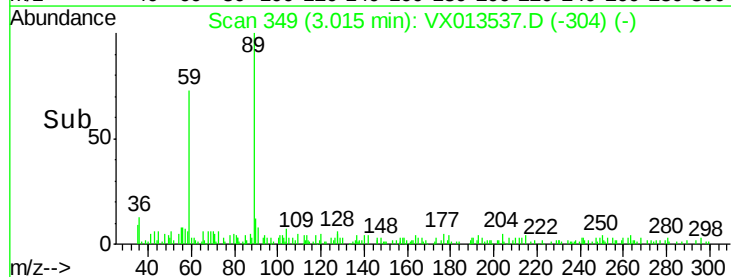
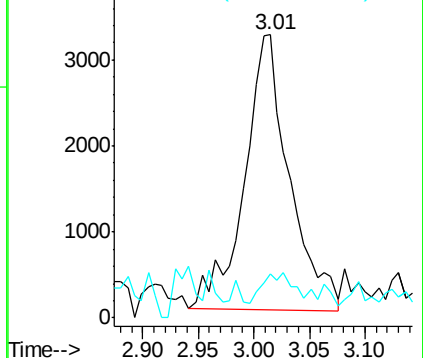
59 100

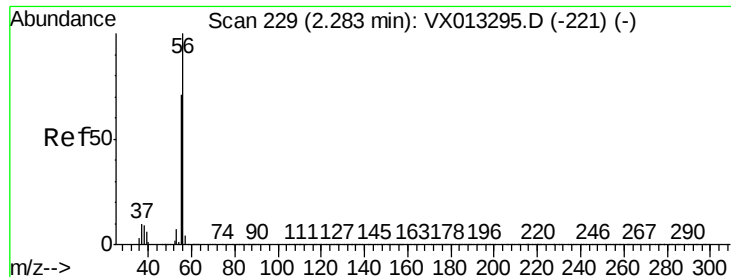
57 7.3 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.302 ug/l

RT: 2.31 min Scan# 234

Delta R.T. 0.03 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampled :

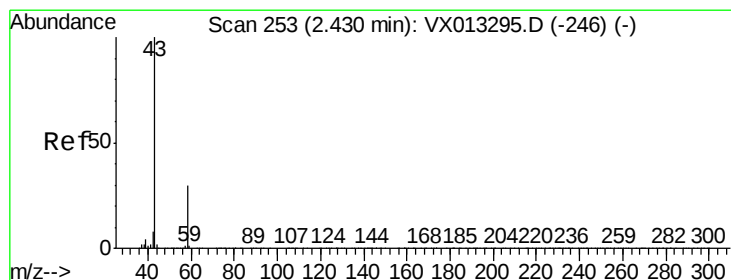
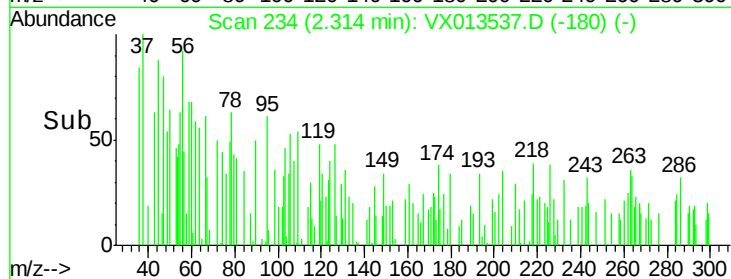
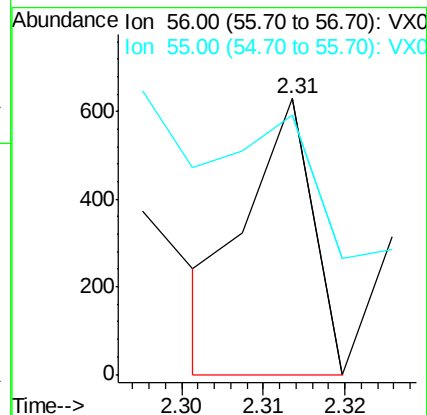
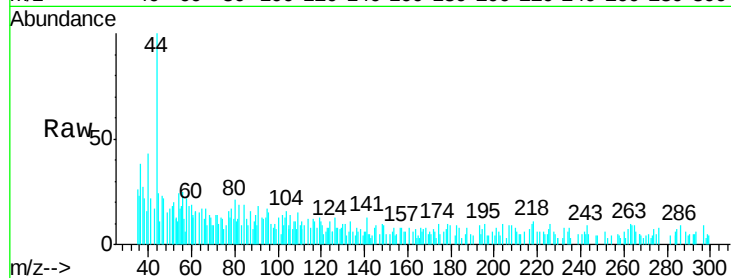
MW-2DL

Tgt Ion: 56 Resp: 348

Ion Ratio Lower Upper

56 100

55 128.2 57.4 86.0#



#16

Acetone

Concen: 2.245 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013537.D

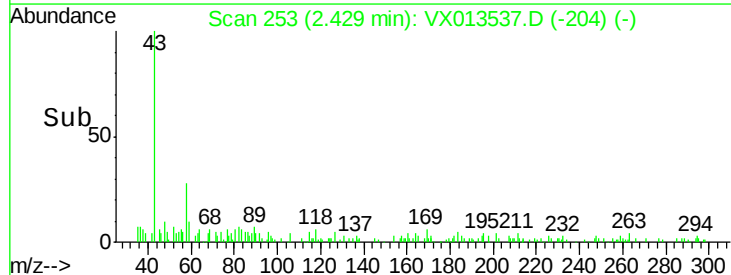
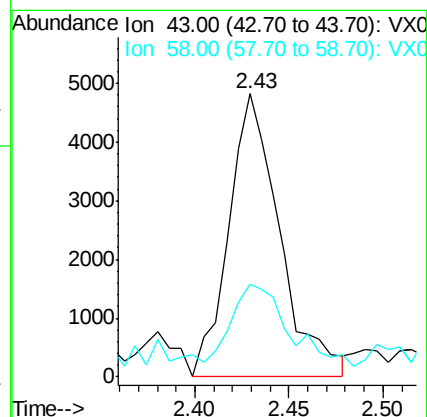
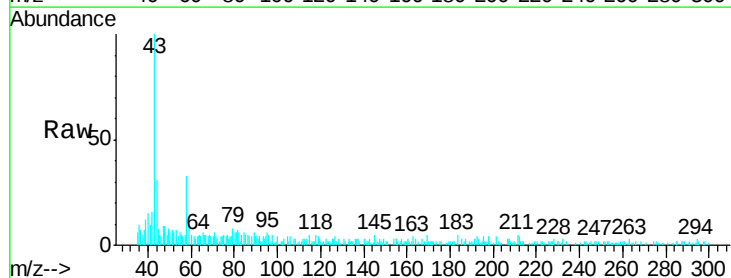
Acq: 22 Nov 2019 16:45

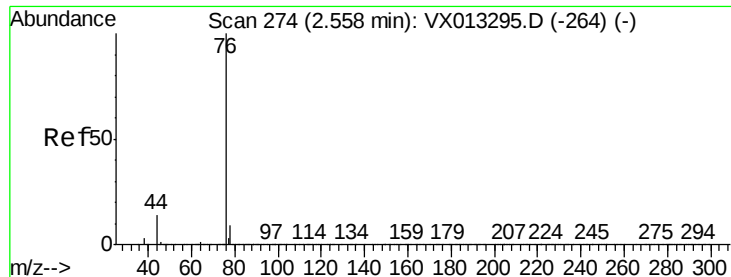
Tgt Ion: 43 Resp: 9036

Ion Ratio Lower Upper

43 100

58 25.1 24.3 36.5





#17

Carbon Disulfide

Concen: 0.235 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampleId :

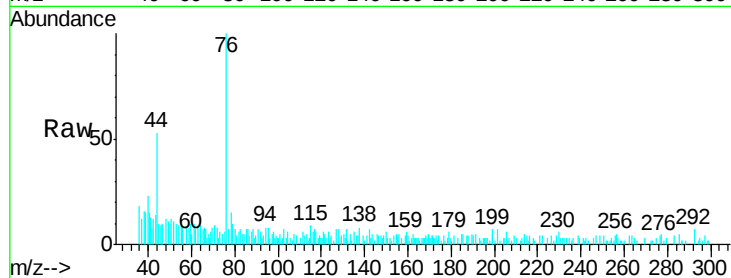
MW-2DL

Tgt Ion: 76 Resp: 3929

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

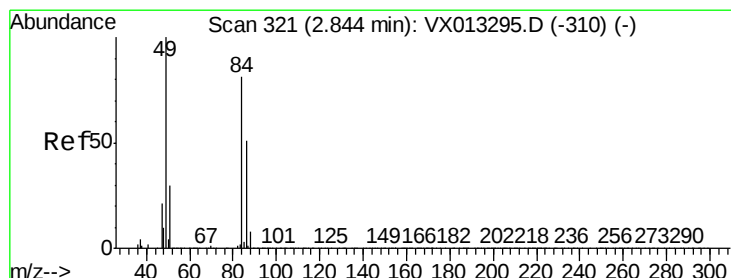
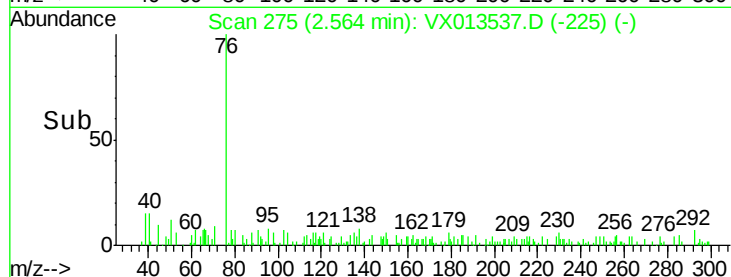
3000

2000

1000

0

Time--> 2.50 2.55 2.60



#20

Methylene Chloride

Concen: 0.758 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Tgt Ion: 84 Resp: 5634

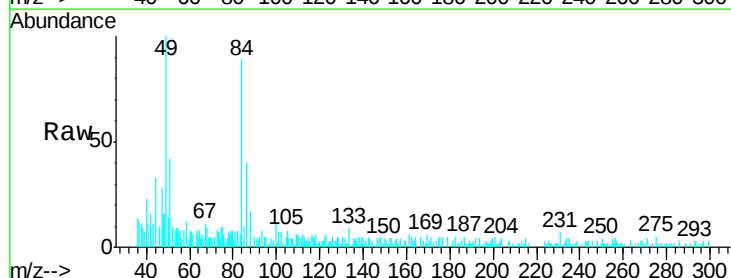
Ion Ratio Lower Upper

84 100

49 107.5 98.2 147.4

51 36.3 29.9 44.9

86 43.7 49.9 74.9#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

5000

4000

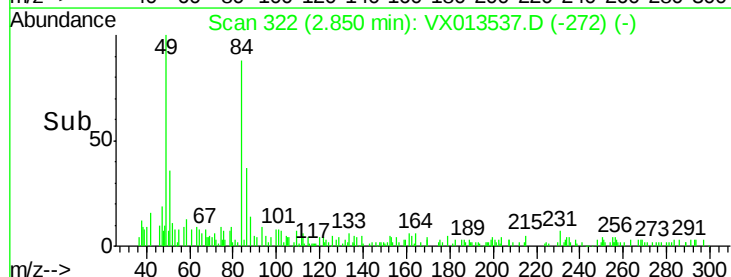
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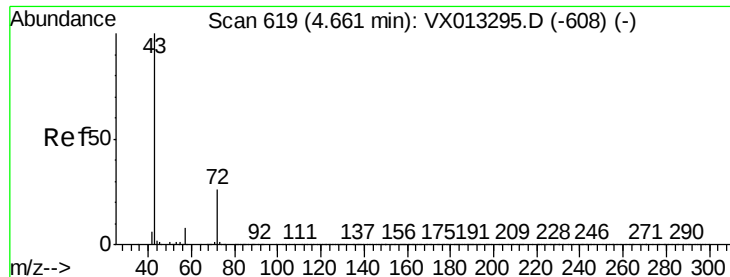
2000

1000

0

Time--> 2.80 2.85 2.90





#25

2-Butanone

Concen: 0.549 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampled :

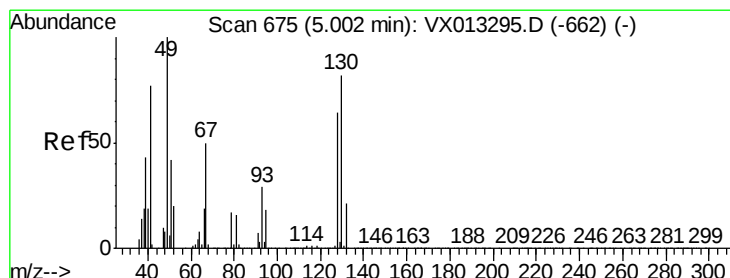
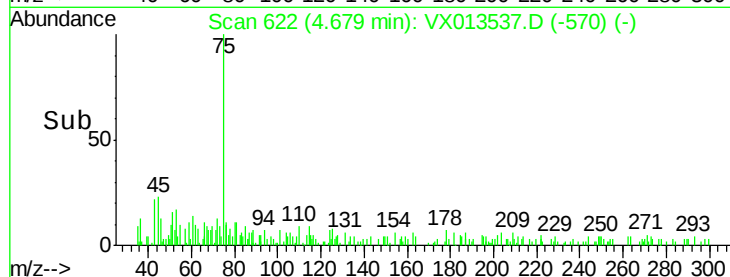
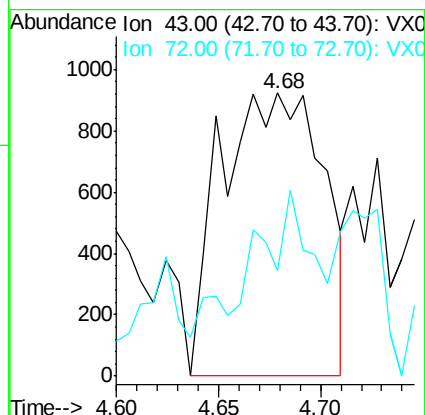
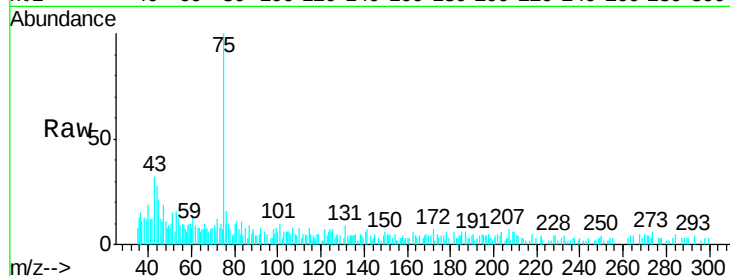
MW-2DL

Tgt Ion: 43 Resp: 3241

Ion Ratio Lower Upper

43 100

72 23.5 21.0 31.6



#28

Bromochloromethane

Concen: 0.420 ug/l

RT: 5.04 min Scan# 681

Delta R.T. 0.04 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

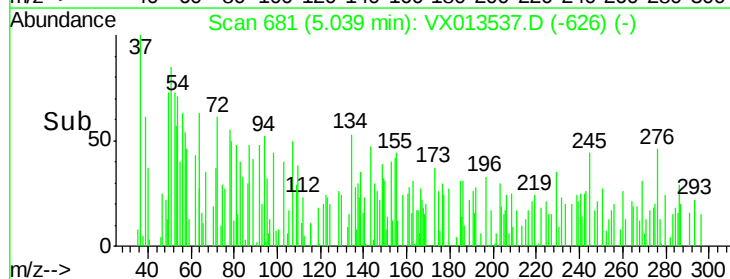
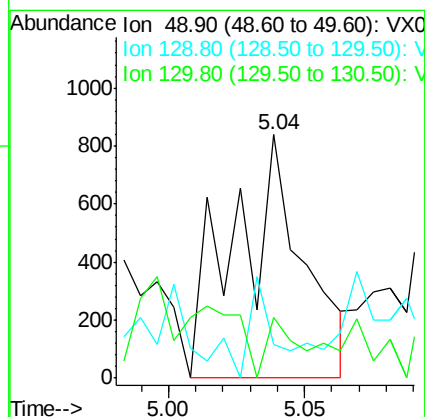
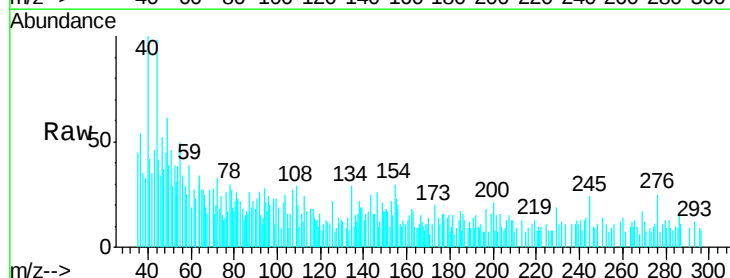
Tgt Ion: 49 Resp: 1461

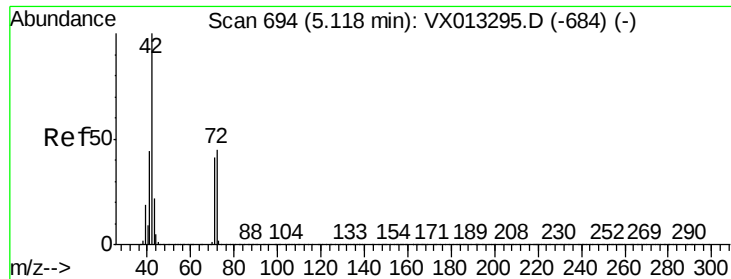
Ion Ratio Lower Upper

49 100

129 10.0 0.0 5.2#

130 11.0 63.8 95.6#

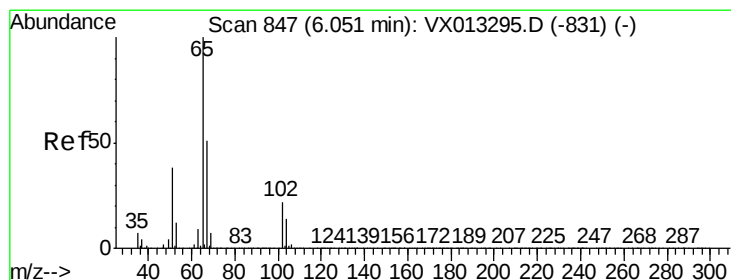
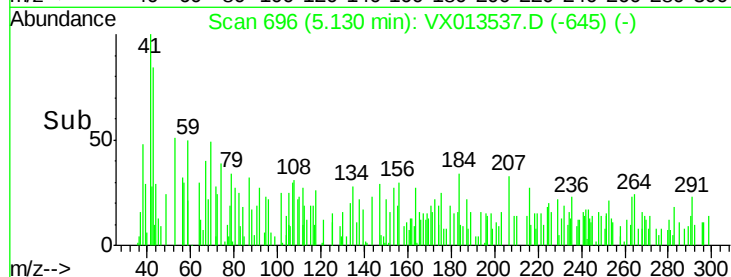
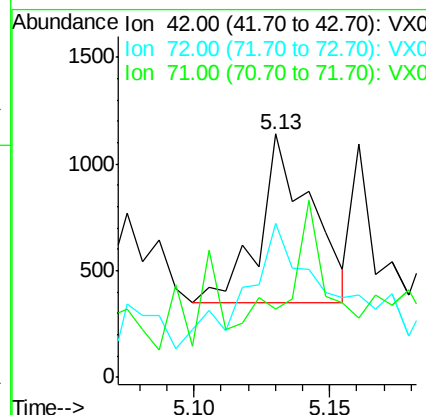
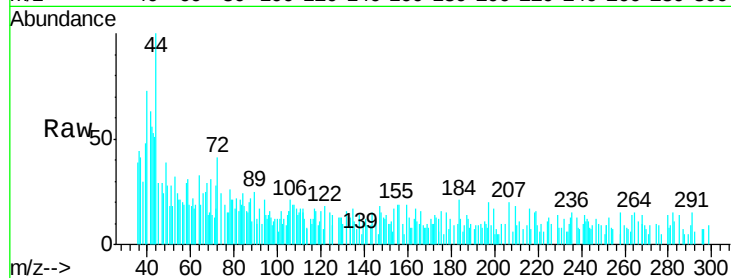




#29  
Tetrahydrofuran  
Concen: 0.286 ug/l  
RT: 5.13 min Scan# 696  
Delta R.T. 0.01 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

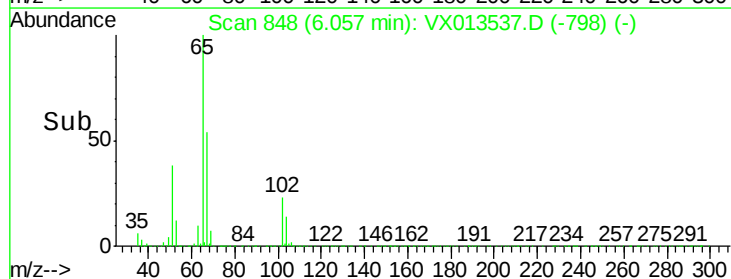
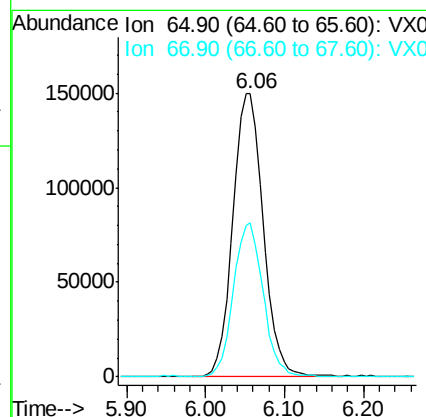
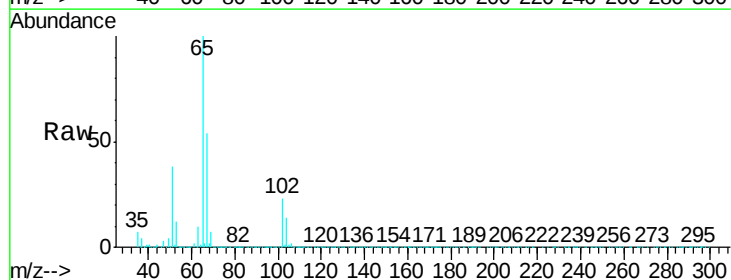
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

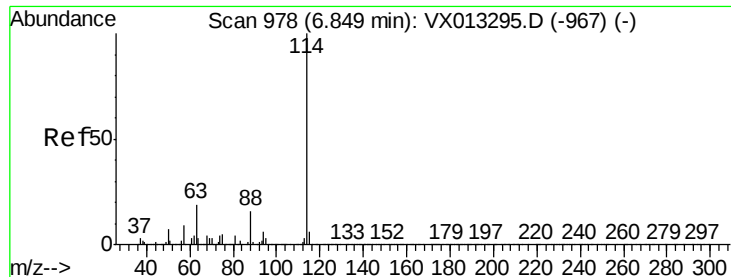
Tgt Ion: 42 Resp: 1039  
Ion Ratio Lower Upper  
42 100  
72 125.3 35.8 53.8#  
71 40.1 33.4 50.0



#33  
1,2-Dichloroethane-d4  
Concen: 49.585 ug/l  
RT: 6.06 min Scan# 848  
Delta R.T. 0.01 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

Tgt Ion: 65 Resp: 400094  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

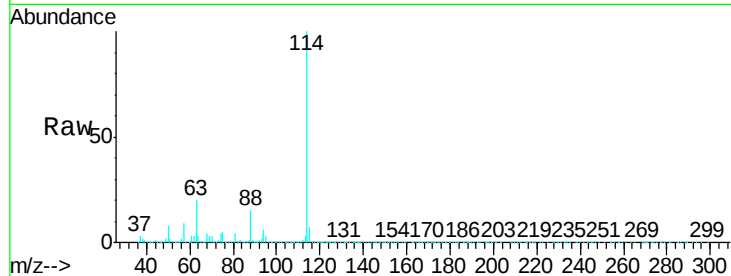
Tgt Ion:114 Resp: 1110214

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

88 15.3 0.0 32.2



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

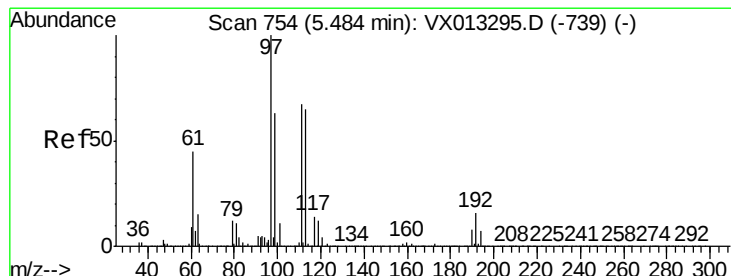
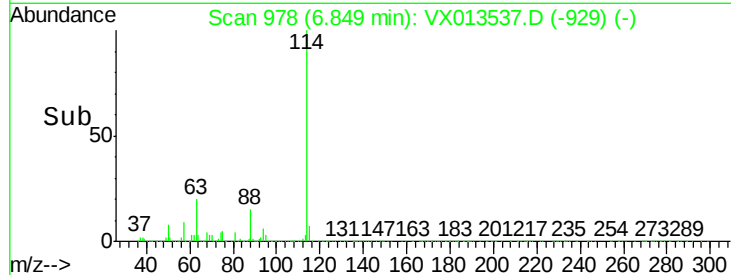
100000

0

6.85

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 48.351 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

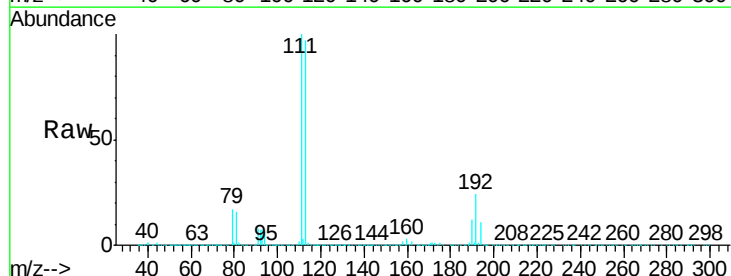
Tgt Ion:113 Resp: 336686

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

192 23.2 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

150000

100000

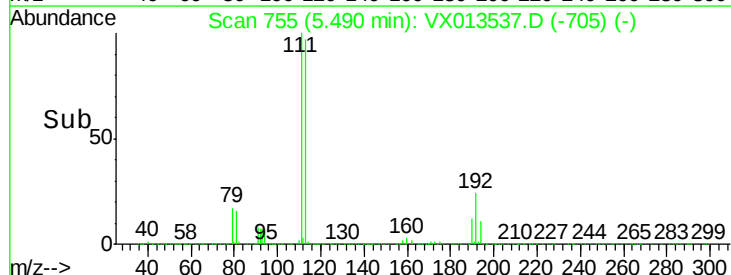
50000

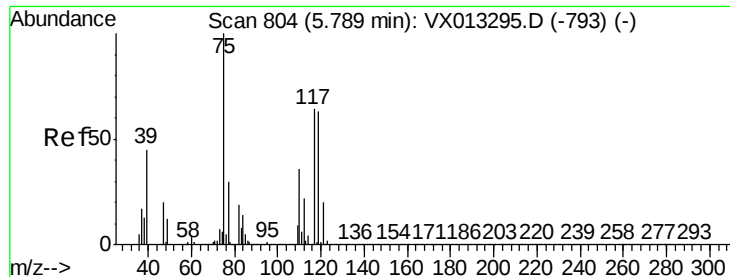
0

5.49

5.30 5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 4.567 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

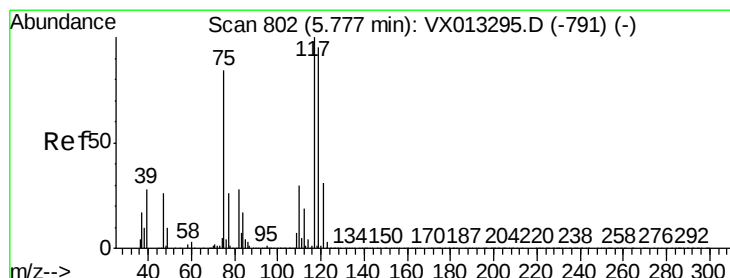
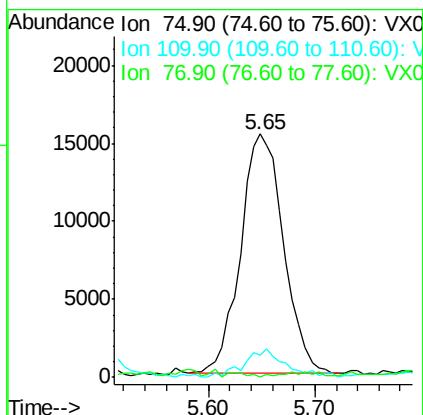
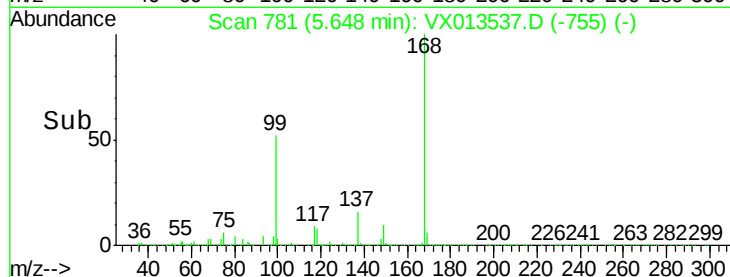
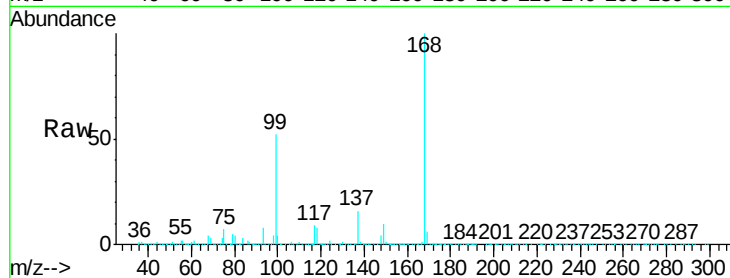
Tgt Ion: 75 Resp: 43493

Ion Ratio Lower Upper

75 100

110 11.5 18.1 54.1#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.347 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

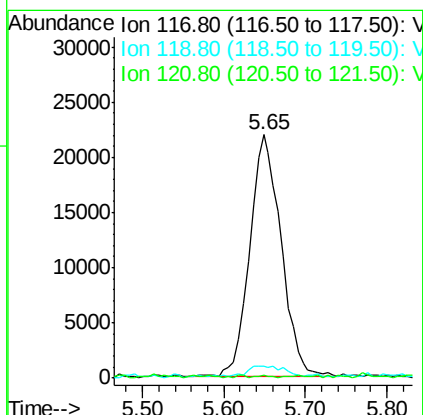
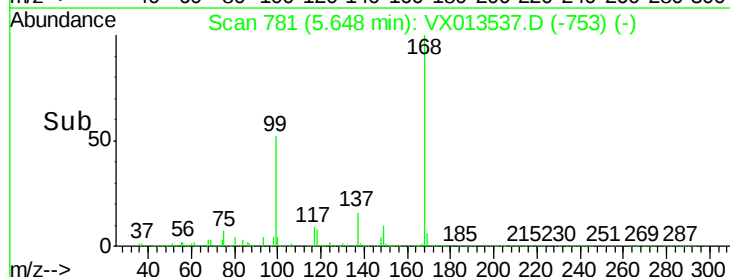
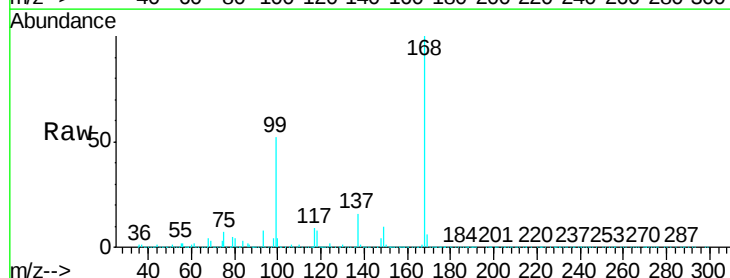
Tgt Ion: 117 Resp: 59112

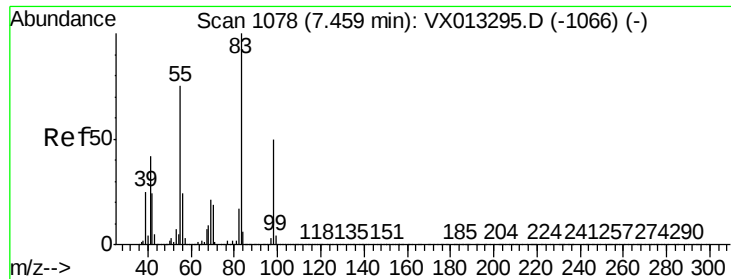
Ion Ratio Lower Upper

117 100

119 4.3 76.1 114.1#

121 0.7 24.6 37.0#

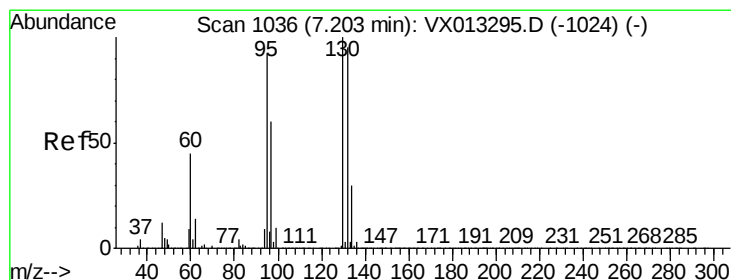
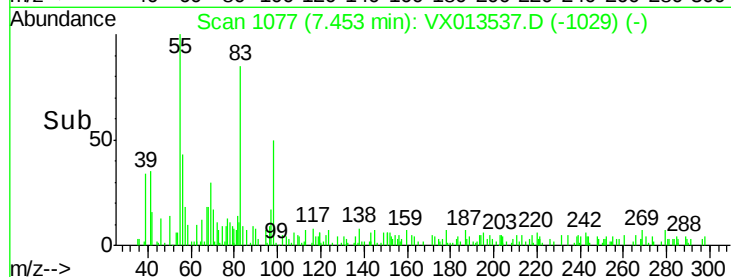
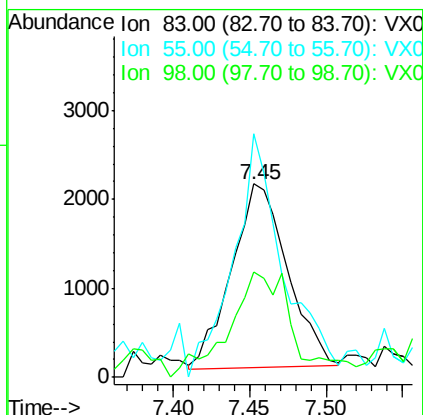
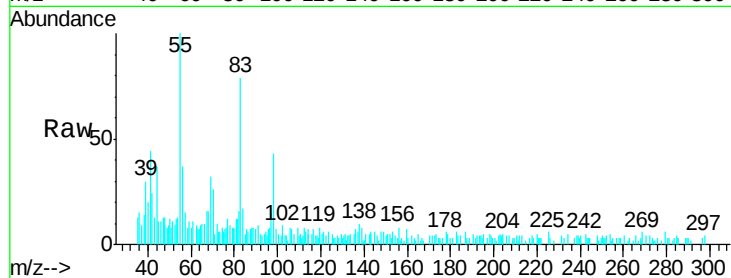




#39  
Methylcyclohexane  
Concen: 0.443 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

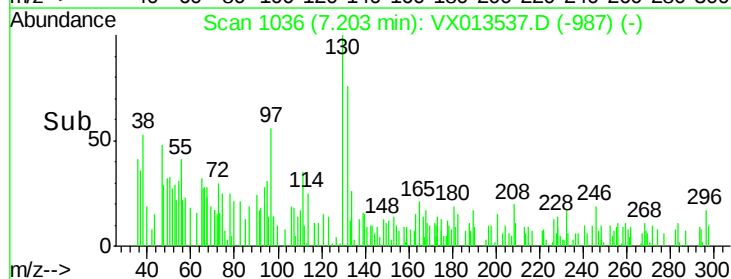
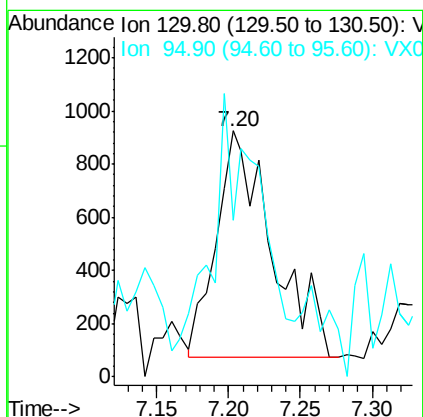
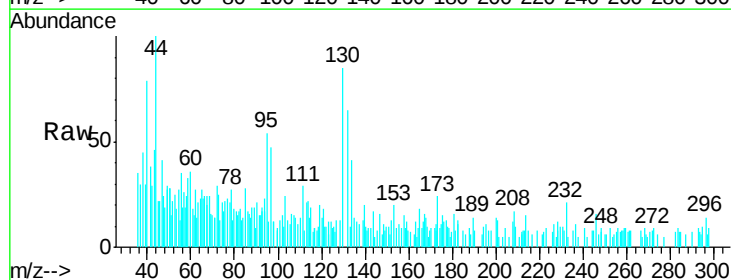
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2DL

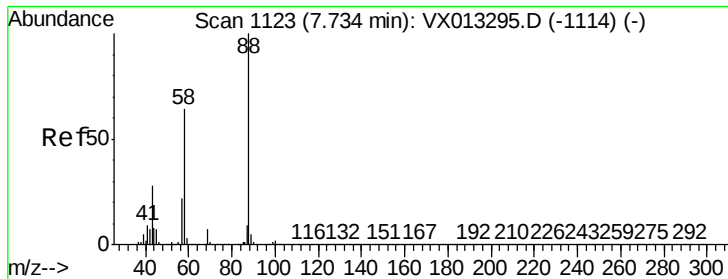
Tgt Ion: 83 Resp: 5252  
Ion Ratio Lower Upper  
83 100  
55 127.8 60.3 90.5#  
98 48.9 40.3 60.5



#44  
Trichloroethene  
Concen: 0.282 ug/l  
RT: 7.20 min Scan# 1036  
Delta R.T. -0.00 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

Tgt Ion: 130 Resp: 2300  
Ion Ratio Lower Upper  
130 100  
95 49.9 0.0 184.8





#49

1,4-Dioxane

Concen: 3.150 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampled :

MW-2DL

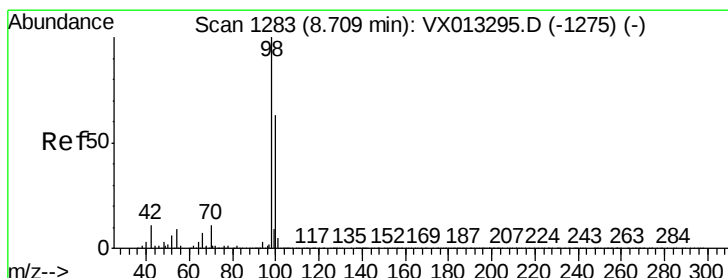
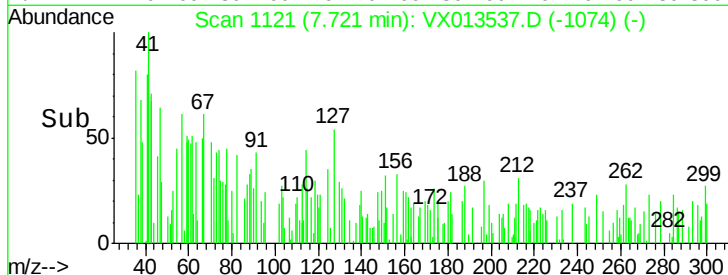
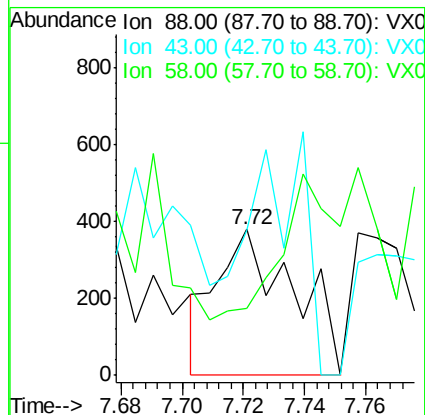
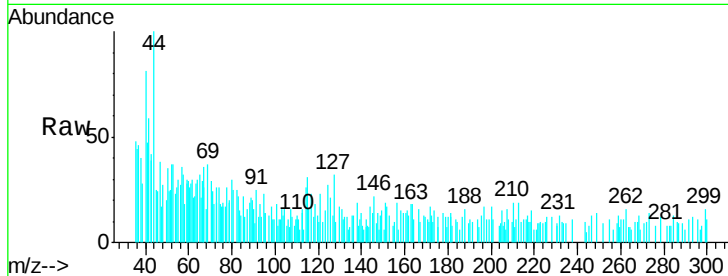
Tgt Ion: 88 Resp: 660

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 0.0 55.0 82.6#



#50

Toluene-d8

Concen: 50.419 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013537.D

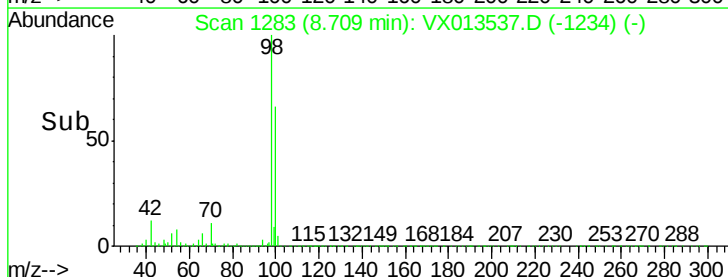
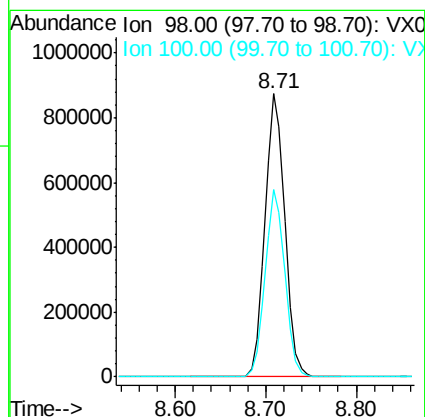
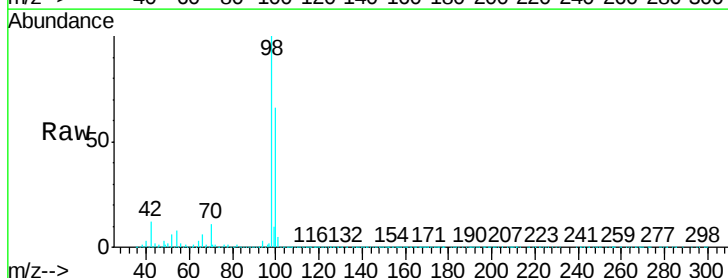
Acq: 22 Nov 2019 16:45

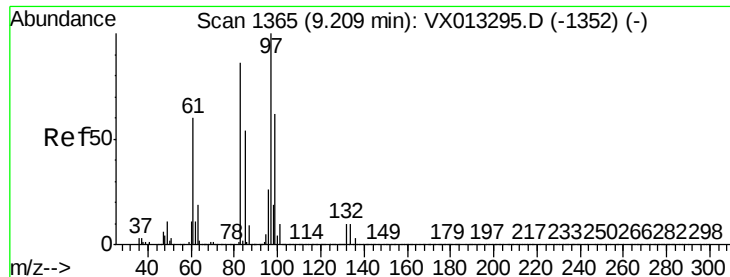
Tgt Ion: 98 Resp: 1323577

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.2





#55

1,1,2-Trichloroethane

Concen: 1.272 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.05 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

Tgt Ion: 97 Resp: 9692

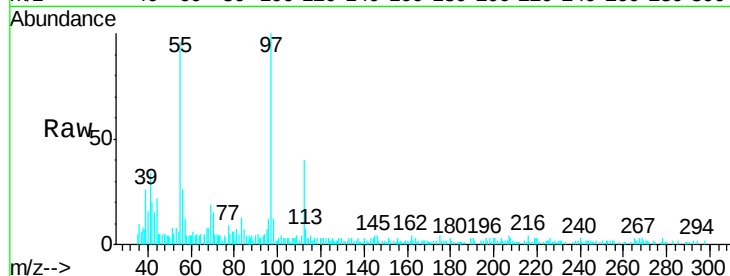
Ion Ratio Lower Upper

97 100

83 10.3 68.6 103.0#

85 0.0 43.1 64.7#

99 1.6 49.4 74.0#

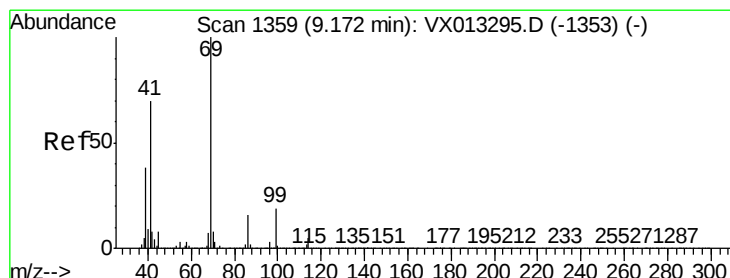
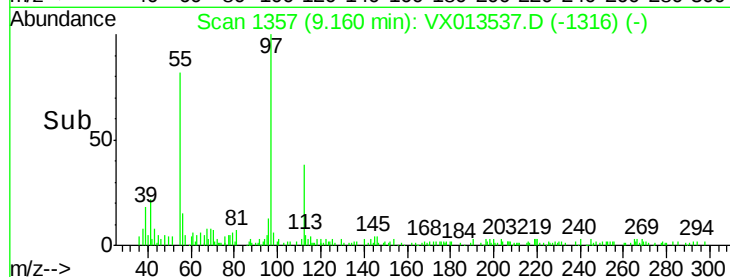
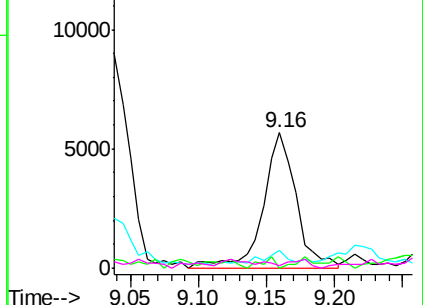


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 1.757 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

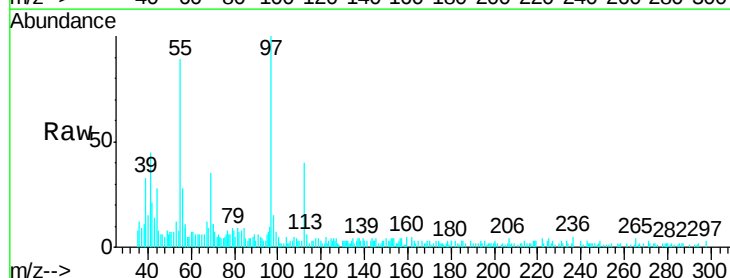
Tgt Ion: 69 Resp: 2605

Ion Ratio Lower Upper

69 100

41 133.3 56.2 84.2#

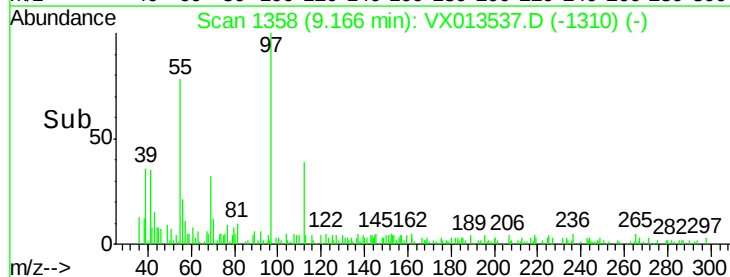
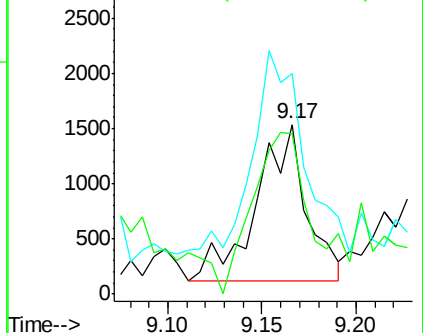
39 112.6 31.1 46.7#

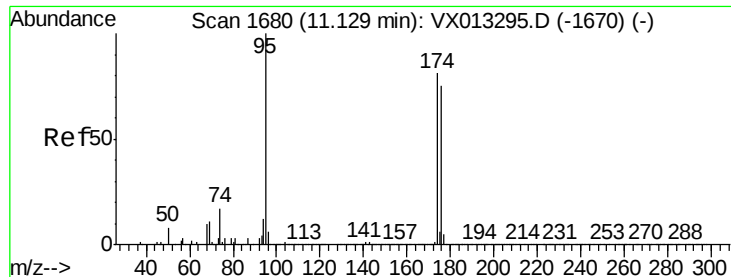


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.983 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

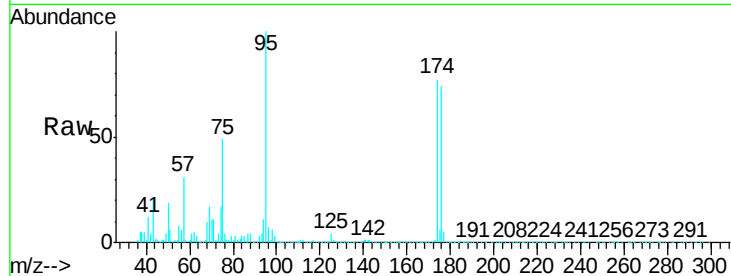
Tgt Ion: 95 Resp: 464079

Ion Ratio Lower Upper

95 100

174 88.0 0.0 179.8

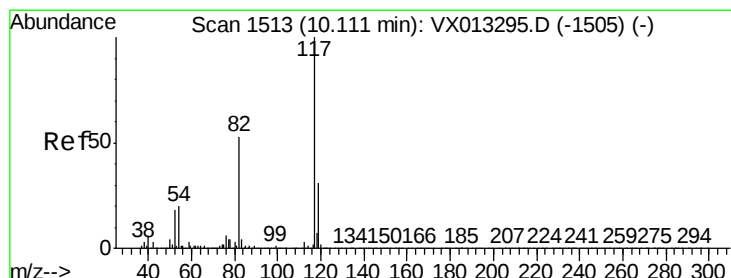
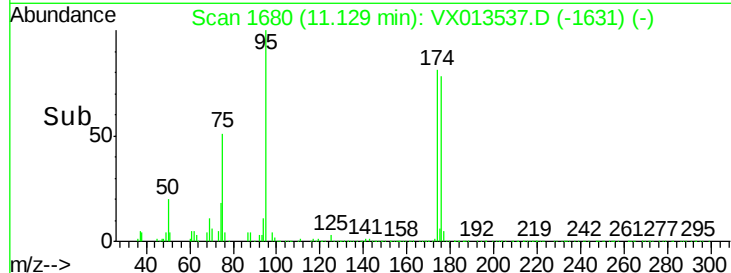
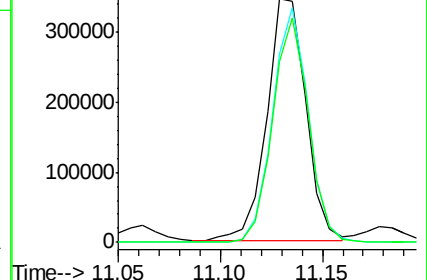
176 85.0 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX013295.D (-1670) (-)

Ion 173.80 (173.50 to 174.50): VX013295.D (-1670) (-)

Ion 175.80 (175.50 to 176.50): VX013295.D (-1670) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

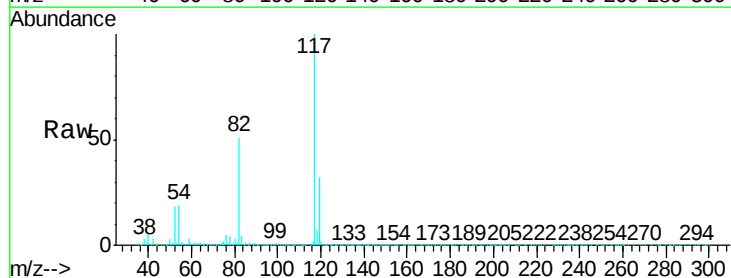
Tgt Ion: 117 Resp: 996446

Ion Ratio Lower Upper

117 100

82 51.0 42.6 64.0

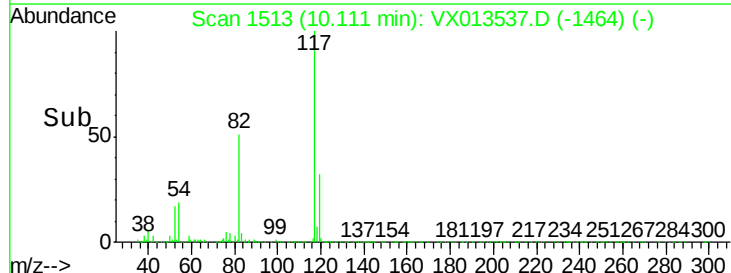
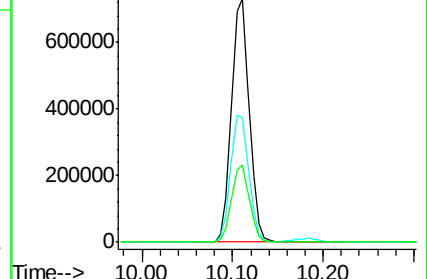
119 31.7 24.8 37.2

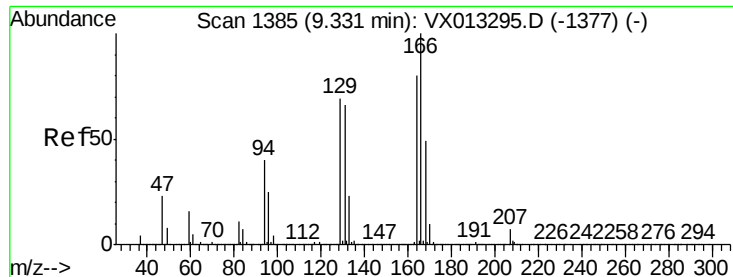


Abundance Ion 116.90 (116.60 to 117.60): VX013295.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX013295.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX013295.D (-1505) (-)

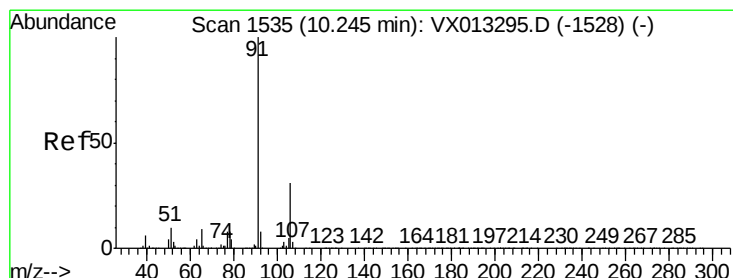
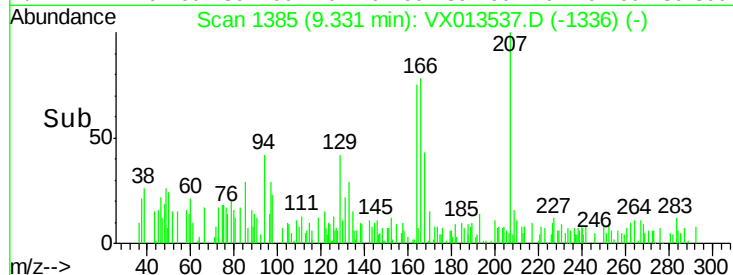
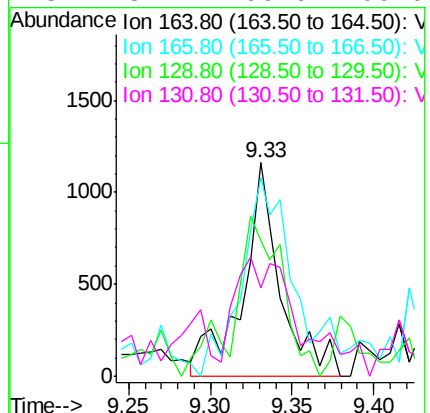
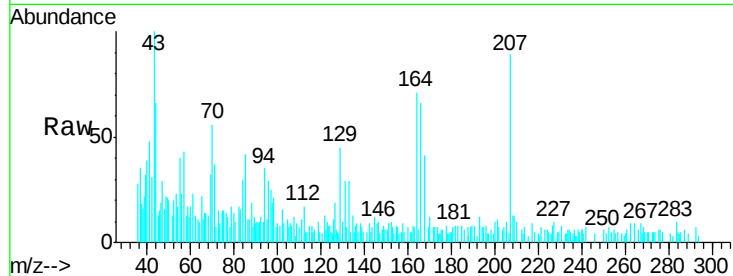




#64  
Tetrachloroethene  
Concen: 0.265 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

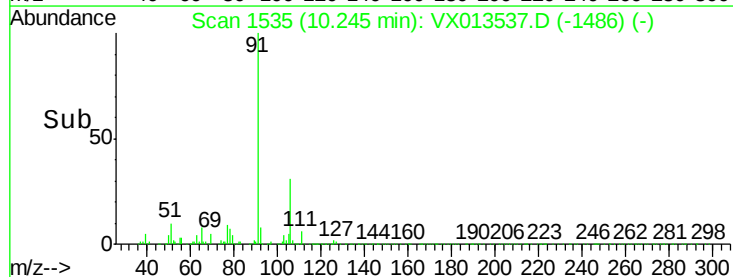
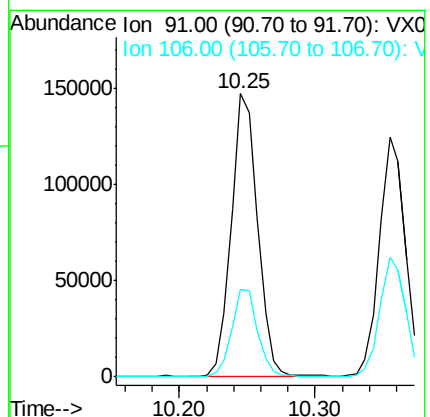
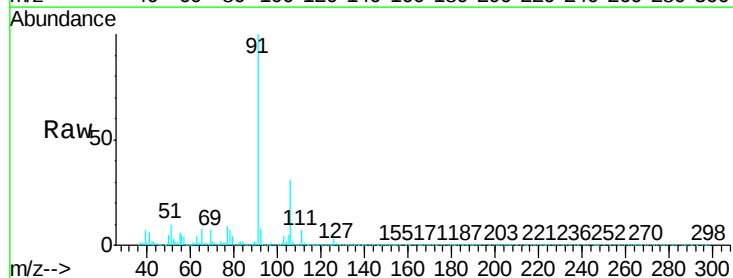
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

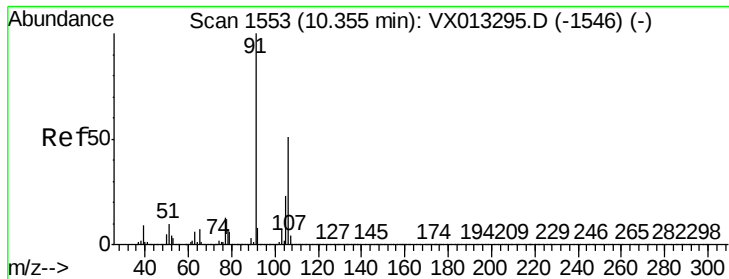
Tgt Ion:164 Resp: 1890  
Ion Ratio Lower Upper  
164 100  
166 86.9 100.4 150.6#  
129 54.7 69.4 104.2#  
131 31.2 66.6 100.0#



#67  
Ethyl Benzene  
Concen: 5.699 ug/l  
RT: 10.25 min Scan# 1535  
Delta R.T. -0.00 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

Tgt Ion: 91 Resp: 198417  
Ion Ratio Lower Upper  
91 100  
106 30.9 24.6 36.8

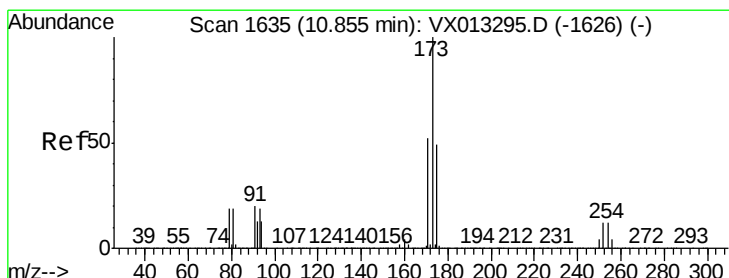
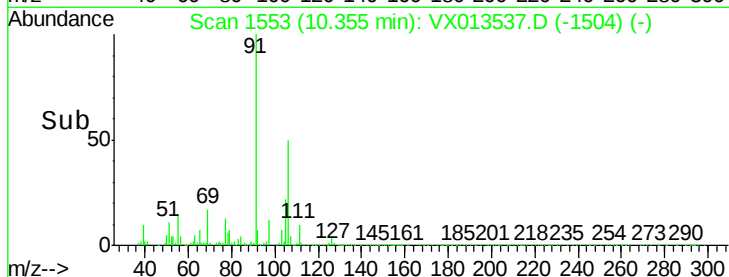
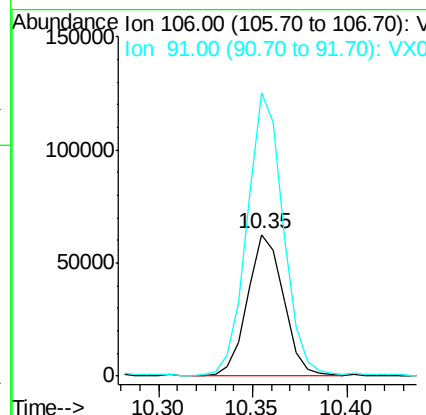
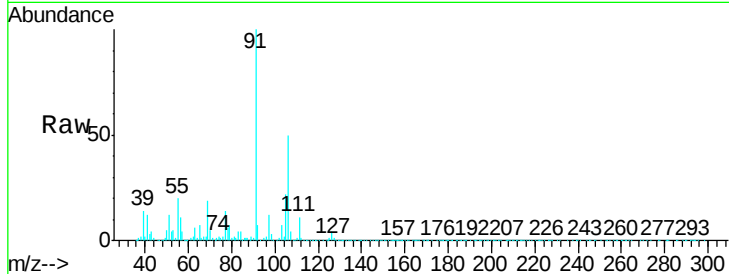




#68  
m/p-Xylenes  
Concen: 6.241 ug/l  
RT: 10.35 min Scan# 1553  
Delta R.T. -0.00 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

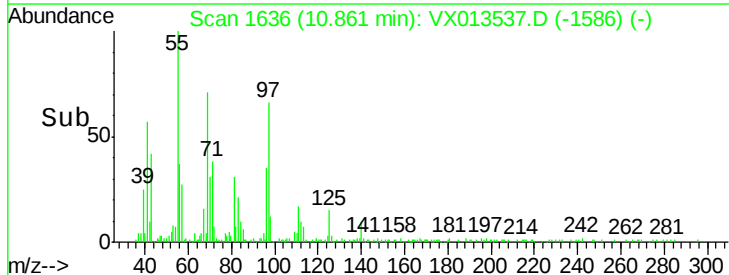
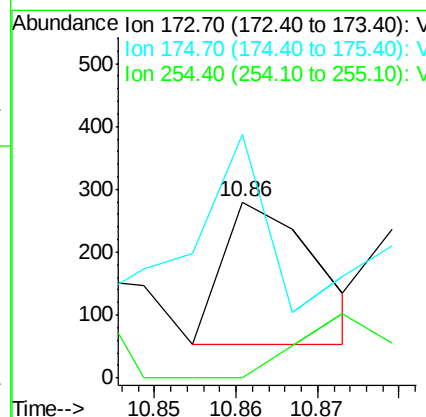
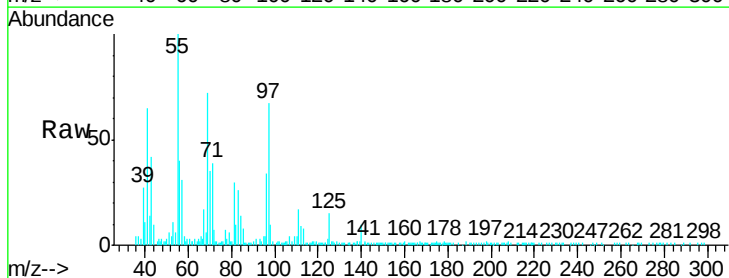
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

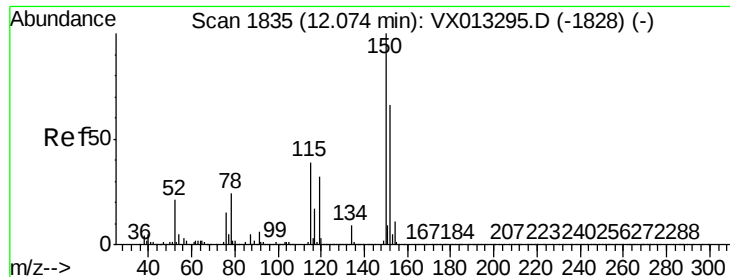
Tgt Ion:106 Resp: 82176  
Ion Ratio Lower Upper  
106 100  
91 202.2 159.3 238.9



#71  
Bromoform  
Concen: 3.227 ug/l  
RT: 10.86 min Scan# 1636  
Delta R.T. 0.01 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

Tgt Ion:173 Resp: 179  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.8 74.4#  
254 0.0 0.2 0.2#



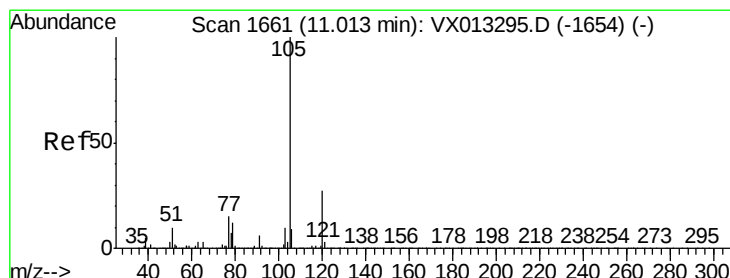
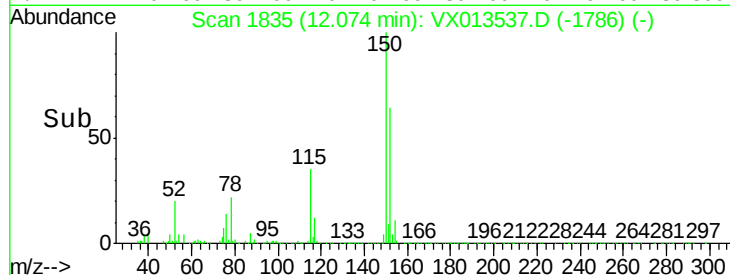
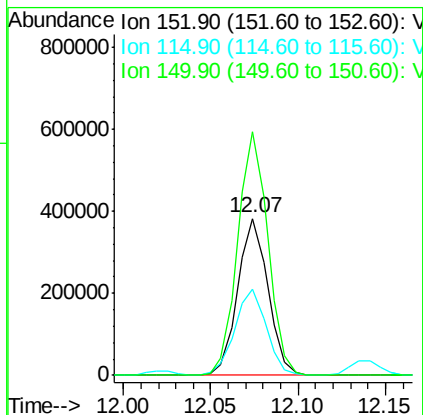
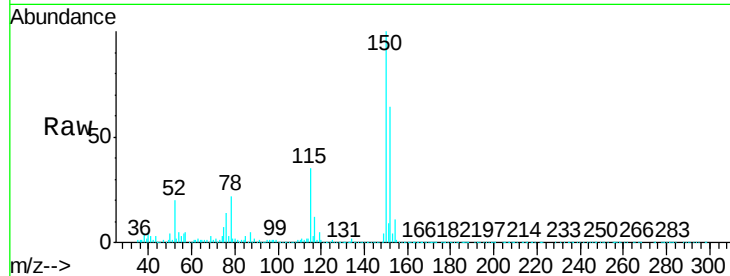


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

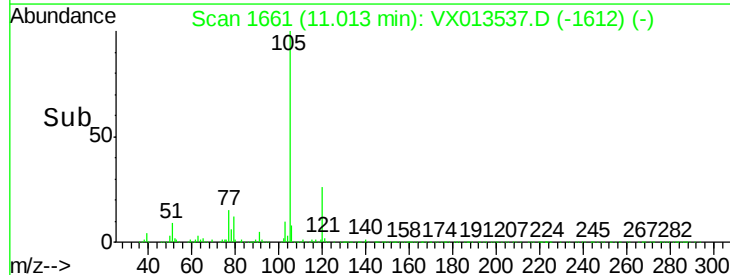
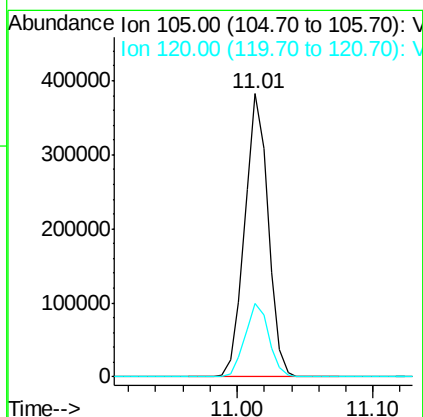
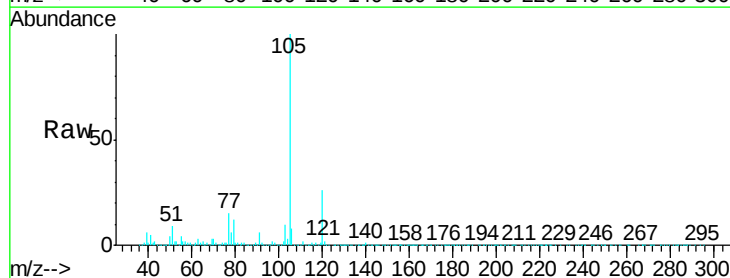
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.1  | 39.5  | 118.3 |
| 150     | 155.2 | 0.0   | 344.4 |

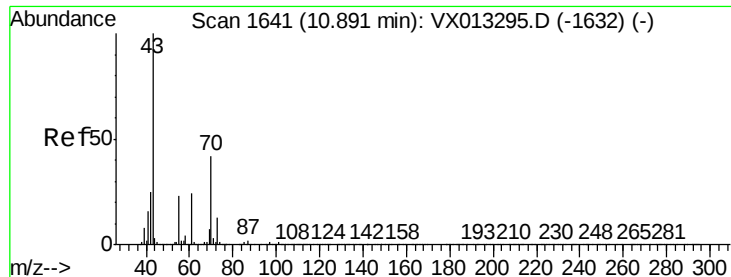


#73

Isopropylbenzene  
Concen: 15.098 ug/l  
RT: 11.01 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.8  | 13.5  | 40.5  |





#74

N-ethyl acetate

Concen: 6.224 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampleID :

MW-2DL

Tgt Ion: 43 Resp: 87857

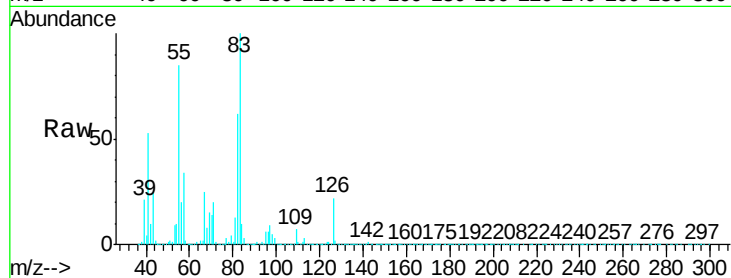
Ion Ratio Lower Upper

43 100

70 73.4 34.1 51.1#

55 328.0 18.9 28.3#

61 0.0 19.2 28.8#

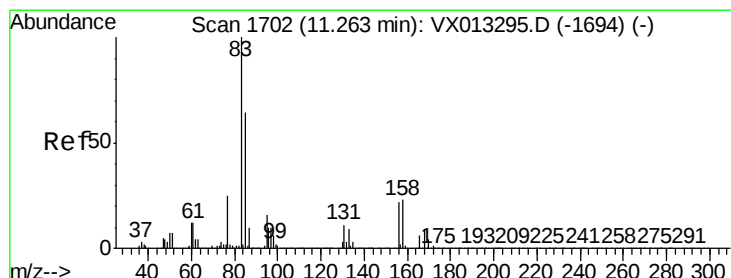
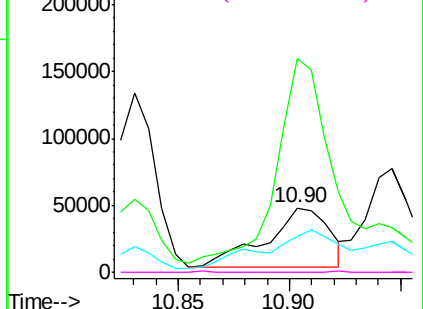
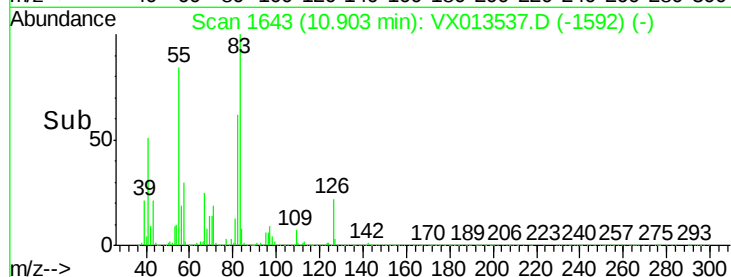


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 5.255 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

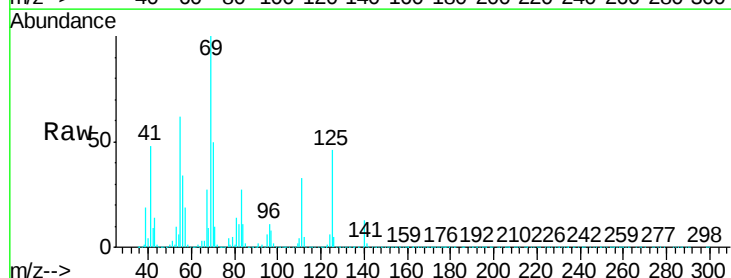
Tgt Ion: 83 Resp: 58353

Ion Ratio Lower Upper

83 100

131 0.5 5.1 15.3#

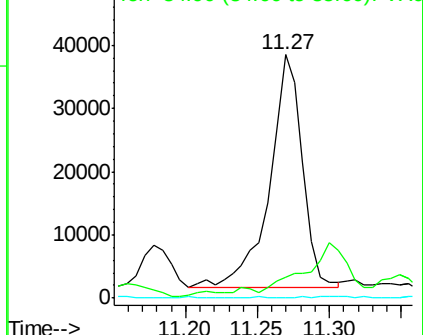
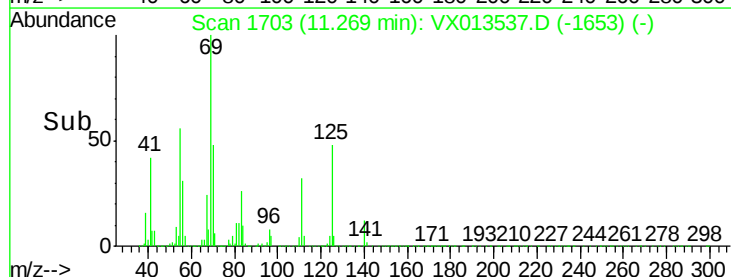
85 0.0 32.3 96.8#

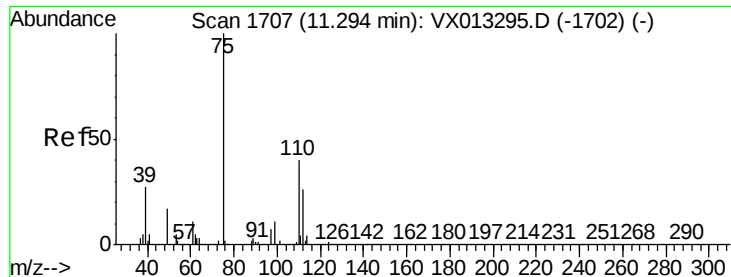


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 0.749 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.06 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampleId :

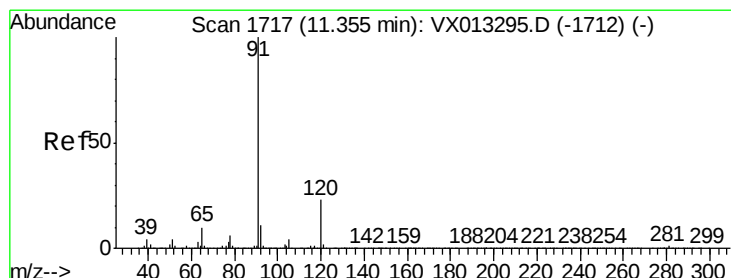
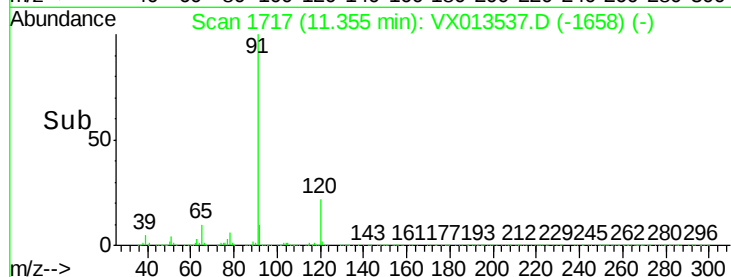
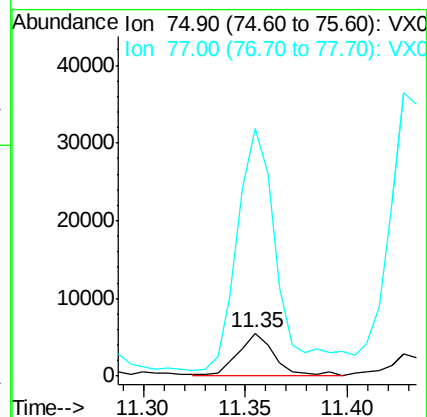
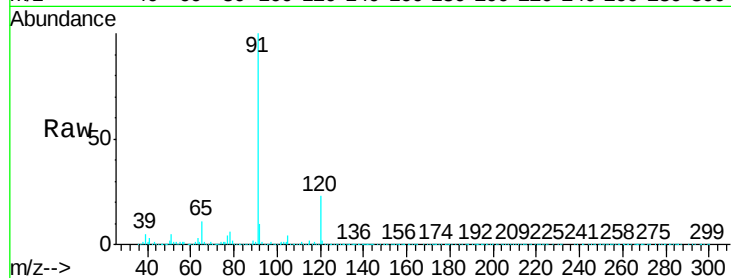
MW-2DL

Tgt Ion: 75 Resp: 6983

Ion Ratio Lower Upper

75 100

77 586.1 22.3 66.8#



#78

n-propylbenzene

Concen: 30.394 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013537.D

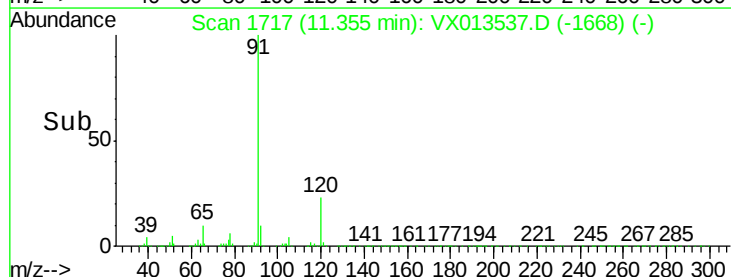
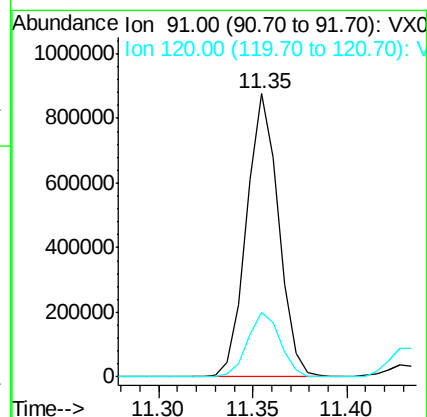
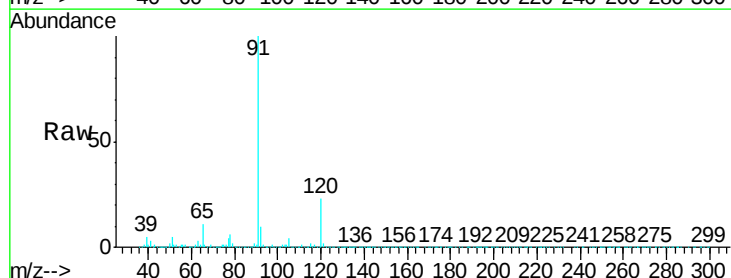
Acq: 22 Nov 2019 16:45

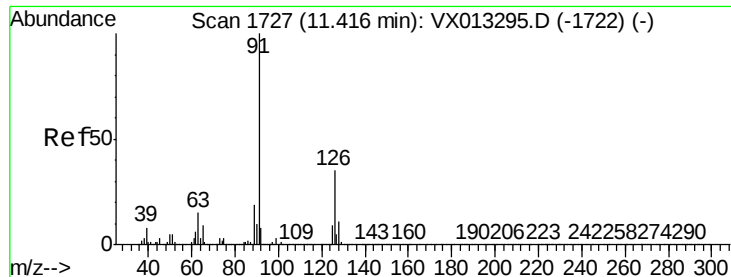
Tgt Ion: 91 Resp: 1030558

Ion Ratio Lower Upper

91 100

120 23.1 11.6 34.8

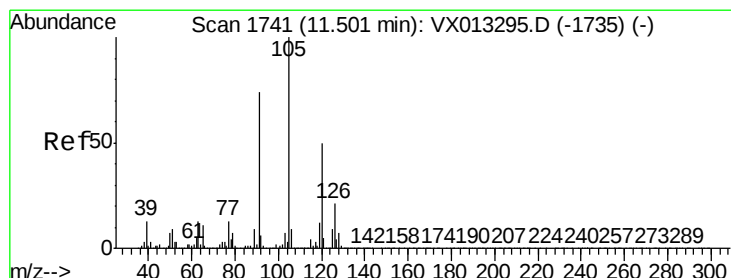
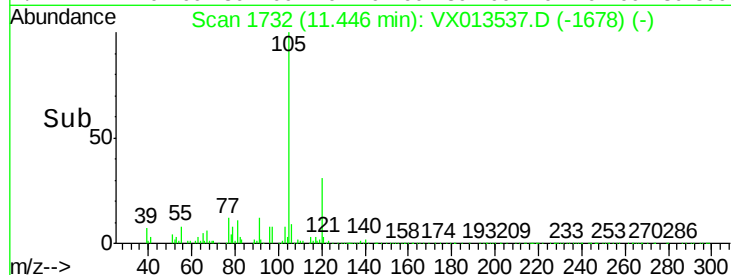
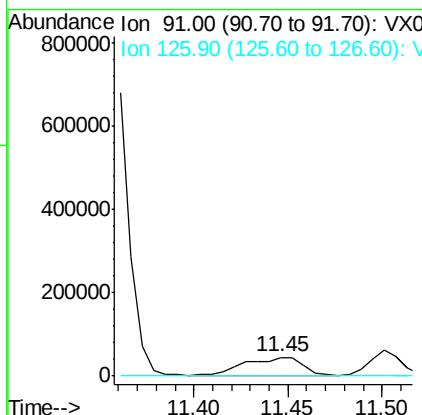
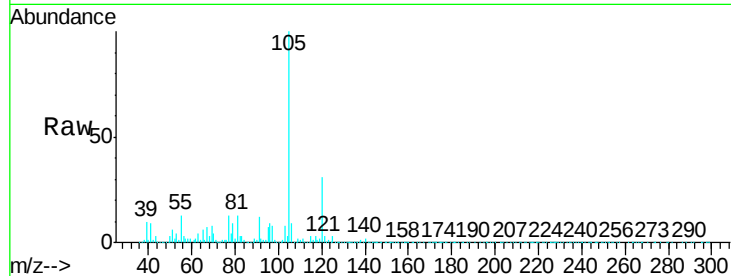




#79  
2-Chlorotoluene  
Concen: 4.729 ug/l  
RT: 11.45 min Scan# 1732  
Delta R.T. 0.03 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

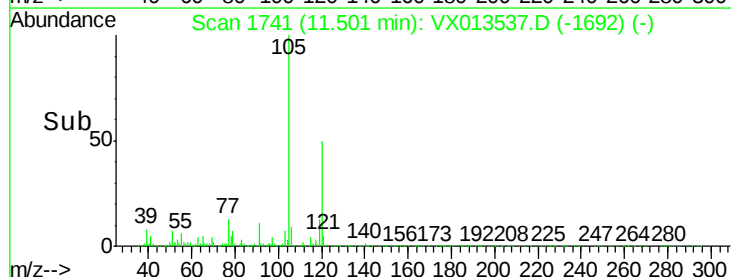
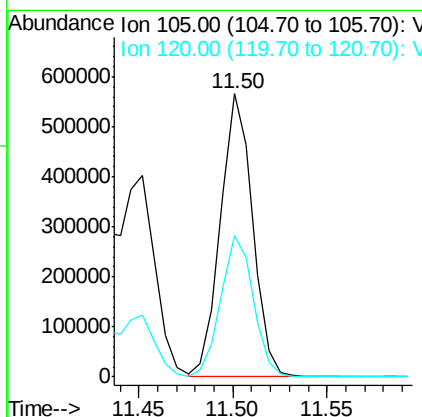
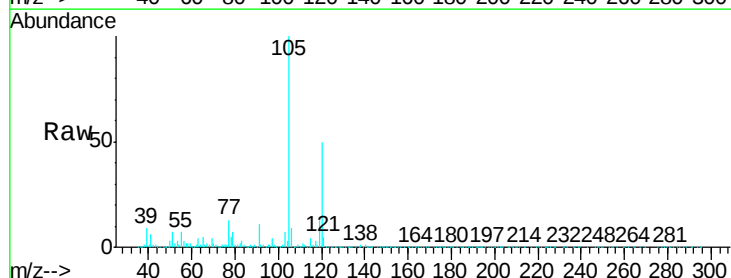
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

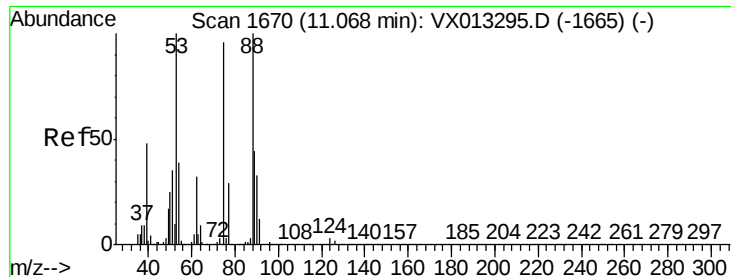
Tgt Ion: 91 Resp: 96610  
Ion Ratio Lower Upper  
91 100  
126 0.7 17.3 52.0#



#80  
1,3,5-Trimethylbenzene  
Concen: 26.289 ug/l  
RT: 11.50 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

Tgt Ion: 105 Resp: 666514  
Ion Ratio Lower Upper  
105 100  
120 50.7 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 62.087 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

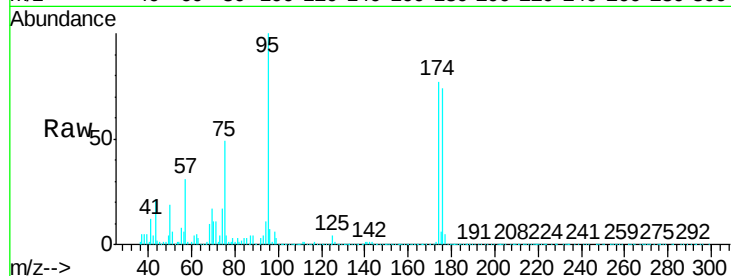
Tgt Ion: 75 Resp: 224921

Ion Ratio Lower Upper

75 100

53 2.8 81.0 121.6#

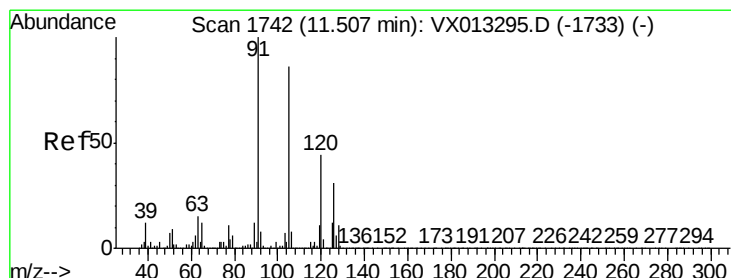
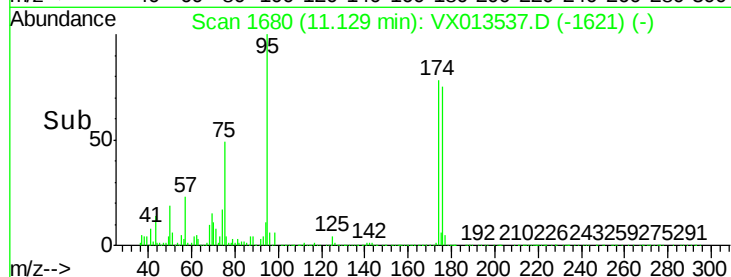
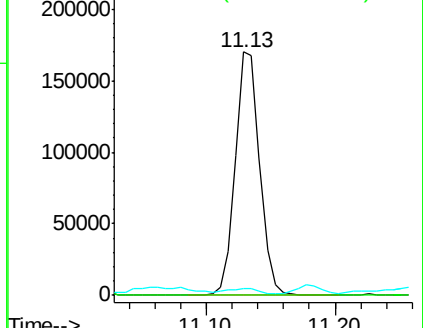
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 3.060 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX013537.D

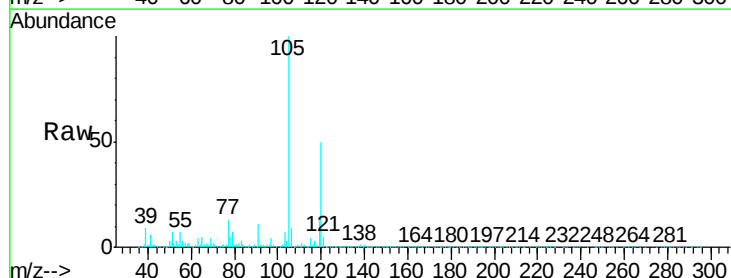
Acq: 22 Nov 2019 16:45

Tgt Ion: 91 Resp: 73165

Ion Ratio Lower Upper

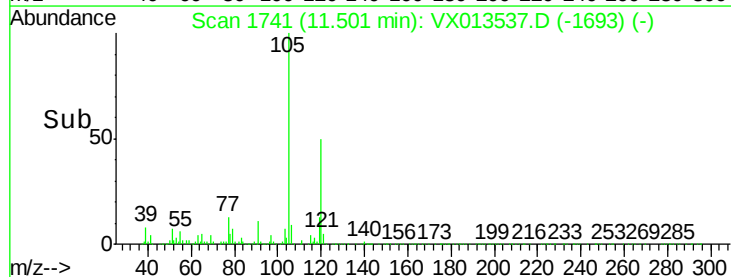
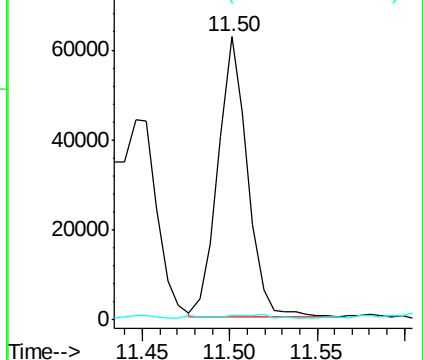
91 100

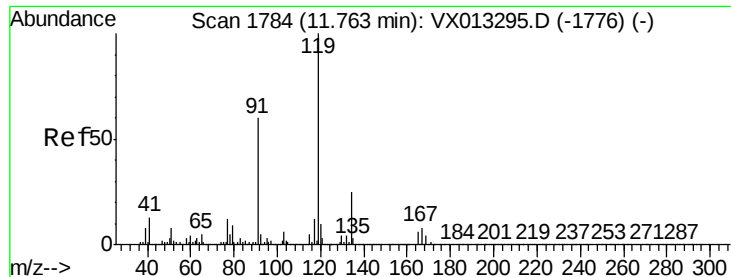
126 2.4 15.3 45.8#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.620 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

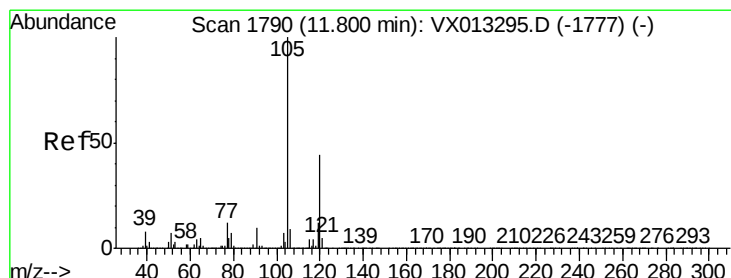
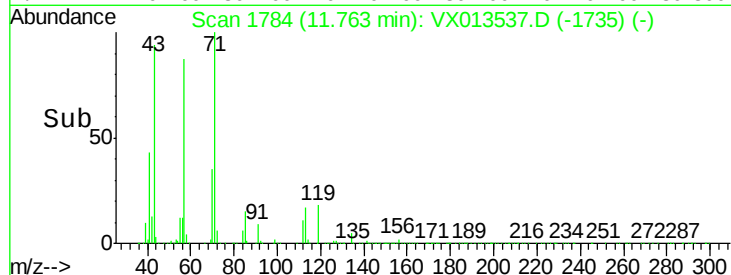
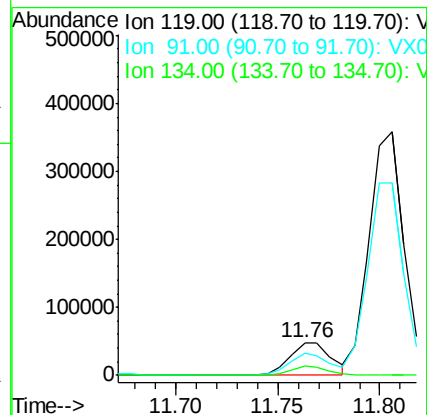
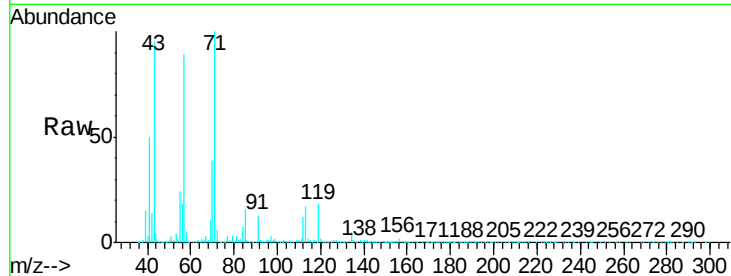
Tgt Ion:119 Resp: 66875

Ion Ratio Lower Upper

119 100

91 65.3 26.9 80.7

134 24.7 11.7 35.1



#84

1,2,4-Trimethylbenzene

Concen: 136.459 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013537.D

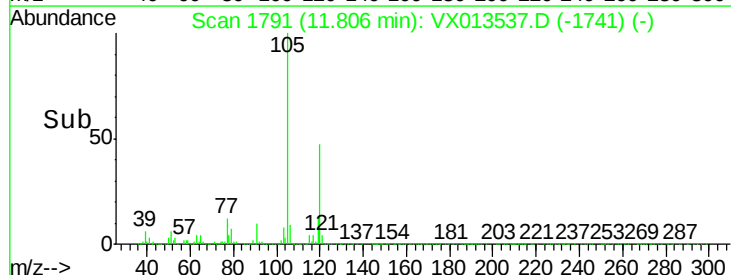
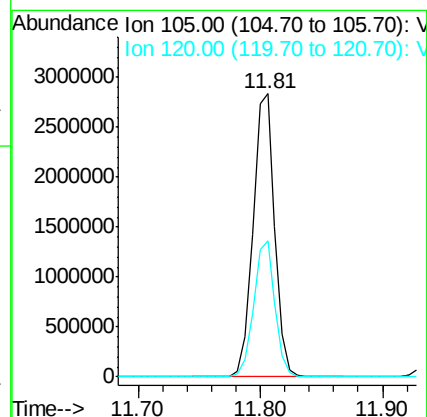
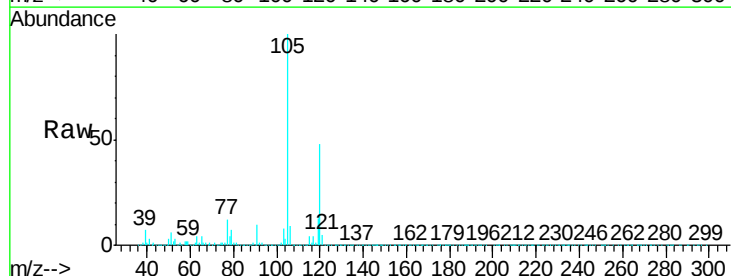
Acq: 22 Nov 2019 16:45

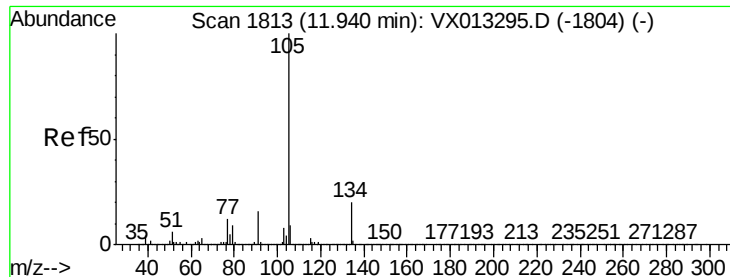
Tgt Ion:105 Resp: 3470594

Ion Ratio Lower Upper

105 100

120 47.2 22.7 68.1





#85

sec-Butylbenzene

Concen: 13.221 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampleId :

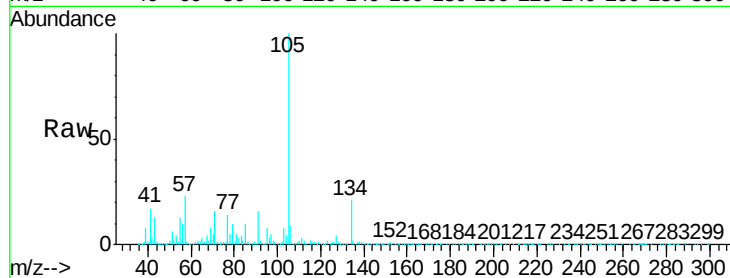
MW-2DL

Tgt Ion:105 Resp: 387810

Ion Ratio Lower Upper

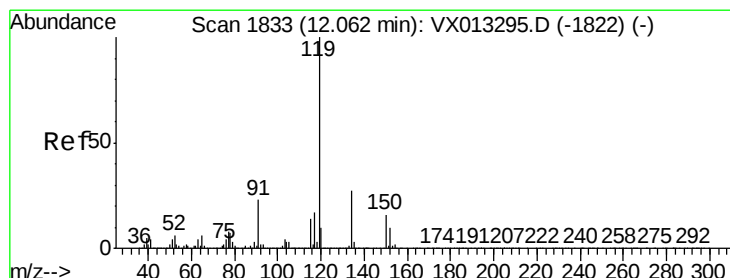
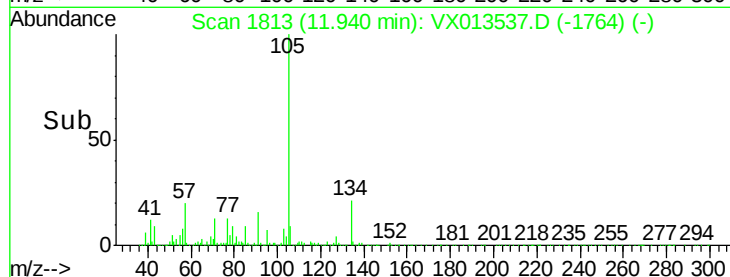
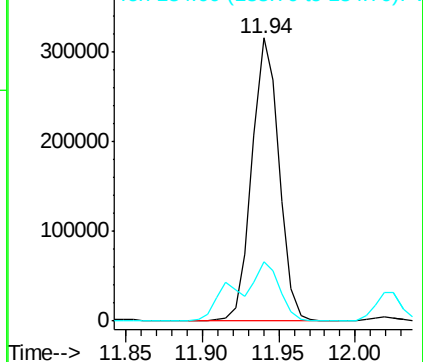
105 100

134 19.7 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 6.834 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

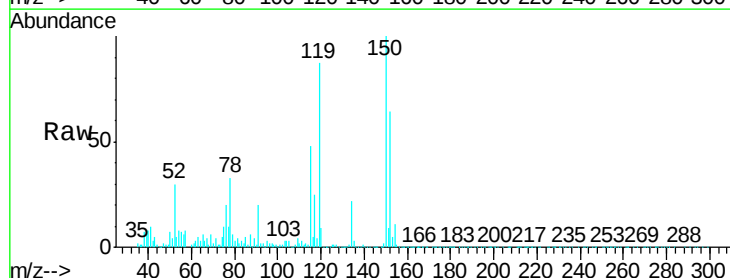
Tgt Ion:119 Resp: 184590

Ion Ratio Lower Upper

119 100

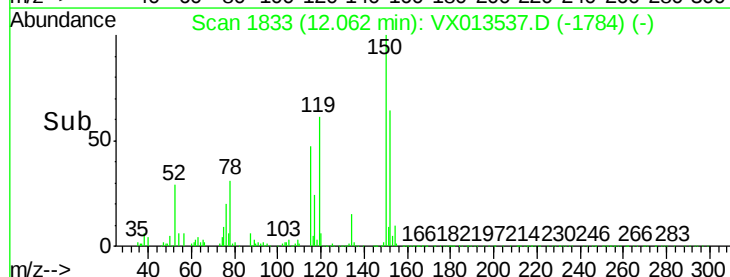
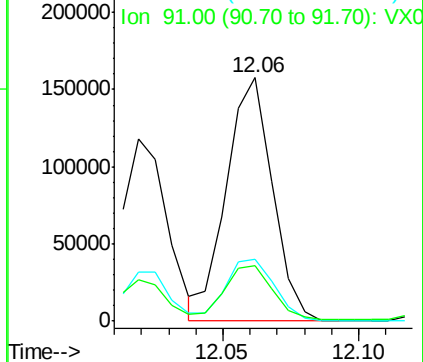
134 27.8 13.3 39.8

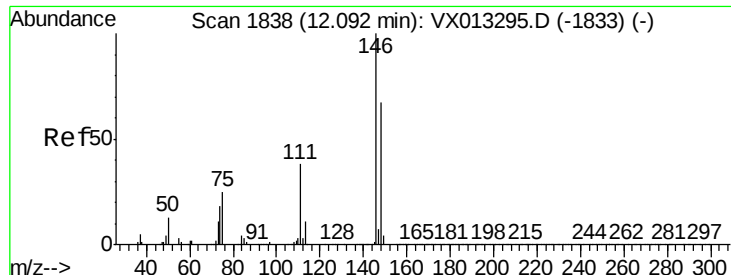
91 23.5 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

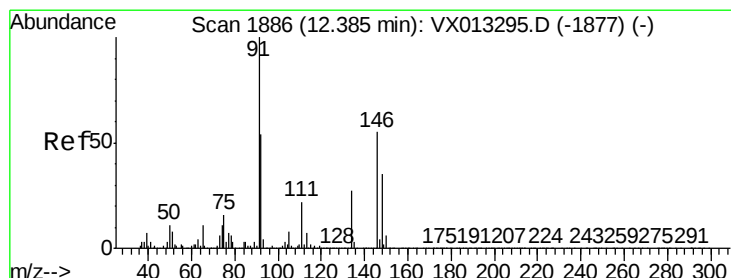
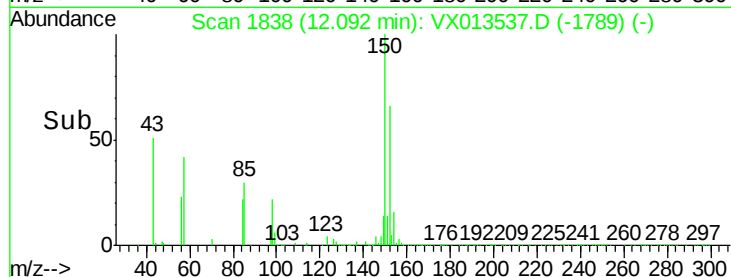
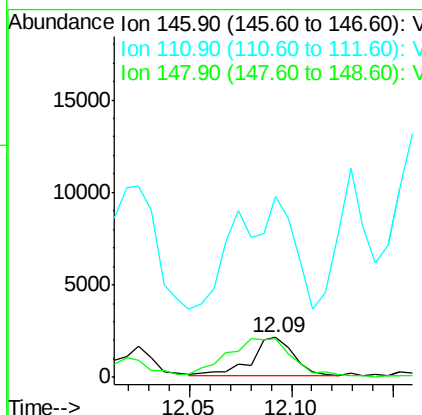
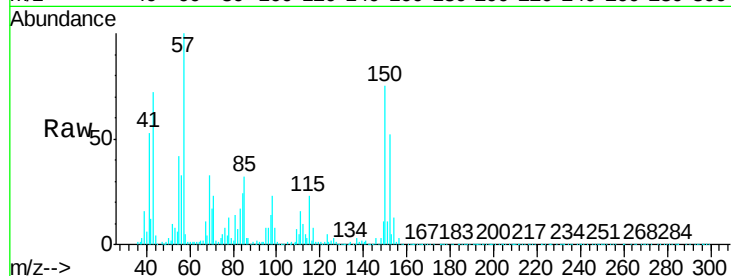




#88  
 1,4-Dichlorobenzene  
 Concen: 0.206 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. -0.00 min  
 Lab File: VX013537.D  
 Acq: 22 Nov 2019 16:45

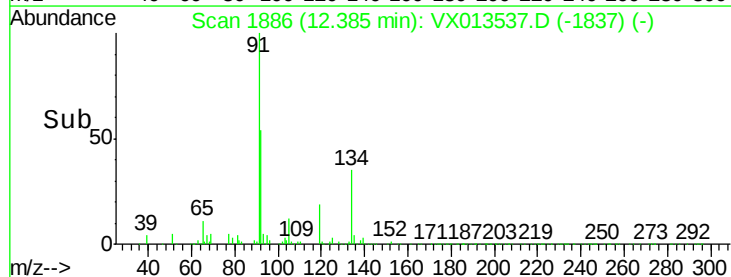
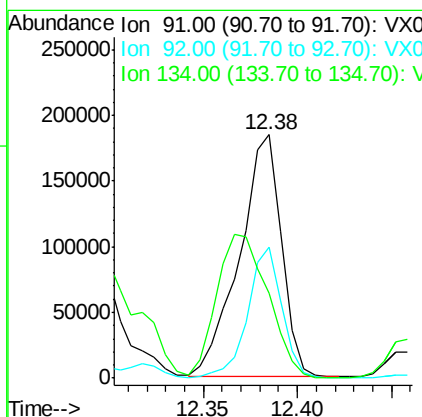
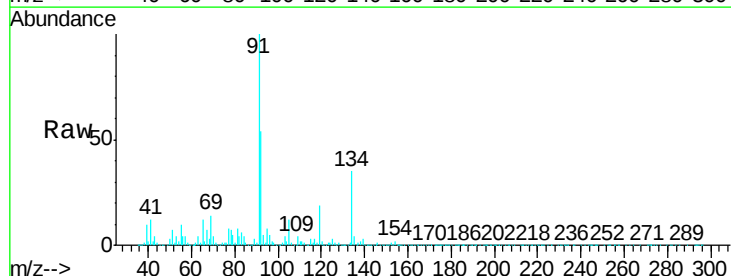
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2DL

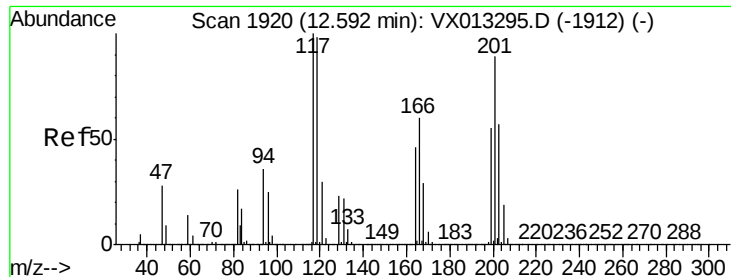
Tgt Ion: 146 Resp: 3038  
 Ion Ratio Lower Upper  
 146 100  
 111 169.4 18.8 56.4#  
 148 155.8 32.4 97.0#



#89  
 n-Butylbenzene  
 Concen: 12.133 ug/l  
 RT: 12.38 min Scan# 1886  
 Delta R.T. -0.00 min  
 Lab File: VX013537.D  
 Acq: 22 Nov 2019 16:45

Tgt Ion: 91 Resp: 285947  
 Ion Ratio Lower Upper  
 91 100  
 92 43.5 27.3 81.8  
 134 71.5 13.5 40.5#





#90

Hexachloroethane

Concen: 4.424 ug/l

RT: 12.60 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA\_X

ClientSampleId :

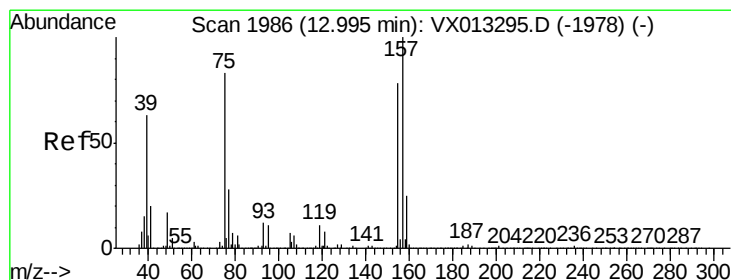
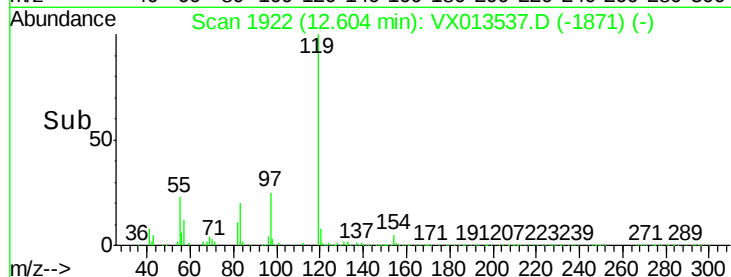
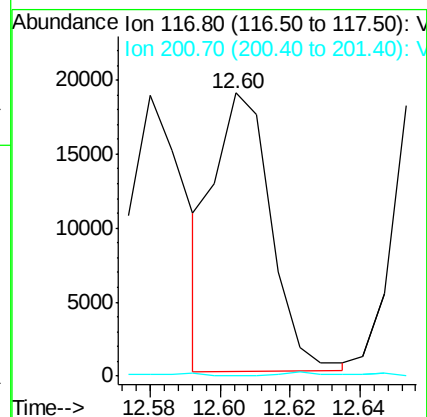
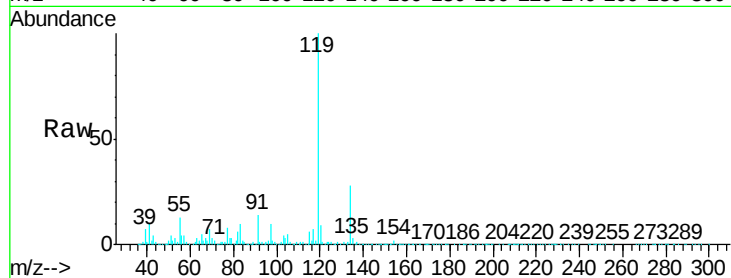
MW-2DL

Tgt Ion: 117 Resp: 21290

Ion Ratio Lower Upper

117 100

201 1.2 43.9 131.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.805 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

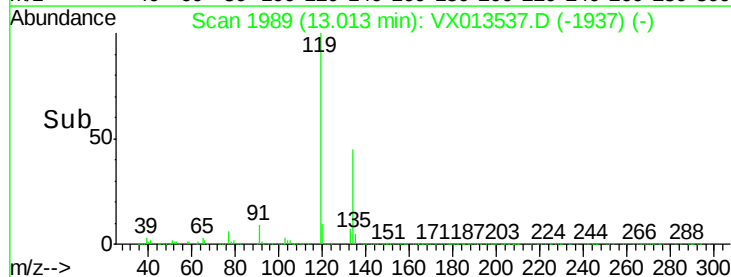
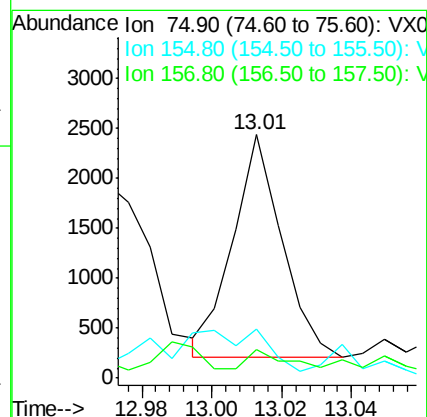
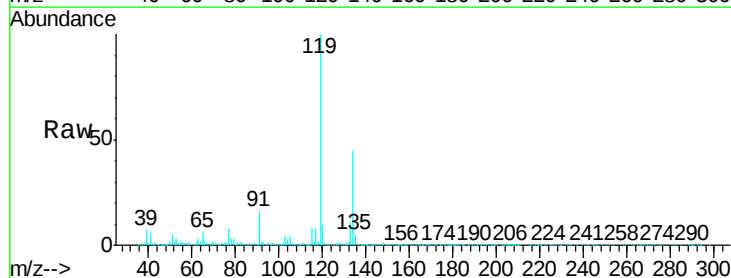
Tgt Ion: 75 Resp: 2179

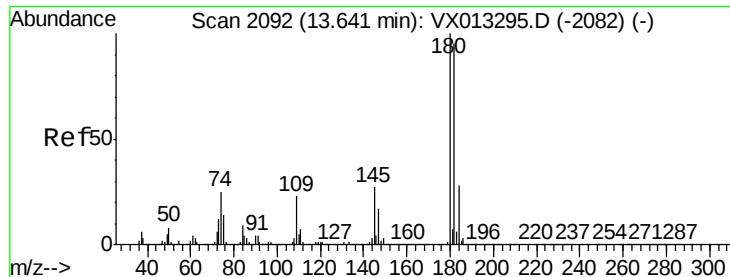
Ion Ratio Lower Upper

75 100

155 37.4 47.1 141.4#

157 6.0 61.3 183.8#

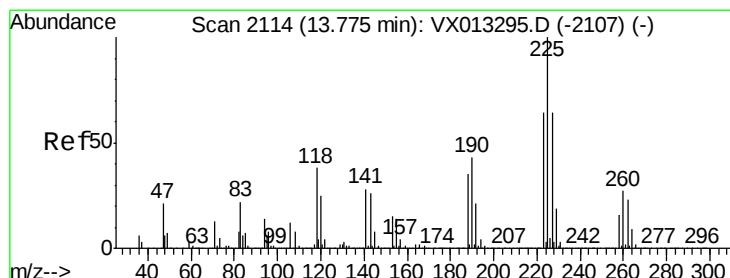
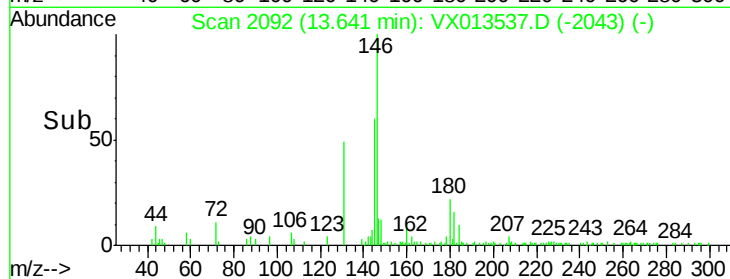
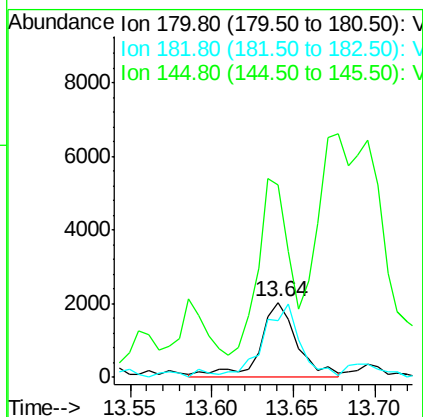
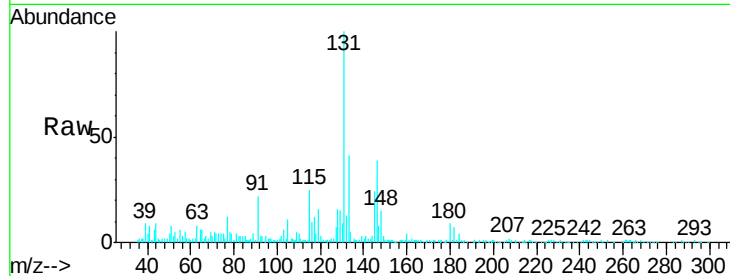




#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.320 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. -0.00 min  
 Lab File: VX013537.D  
 Acq: 22 Nov 2019 16:45

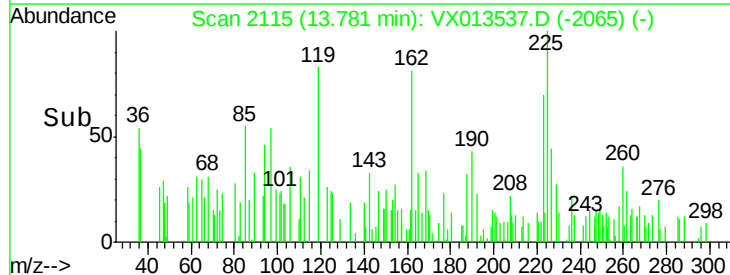
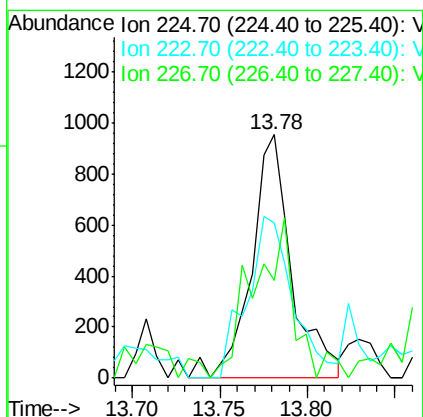
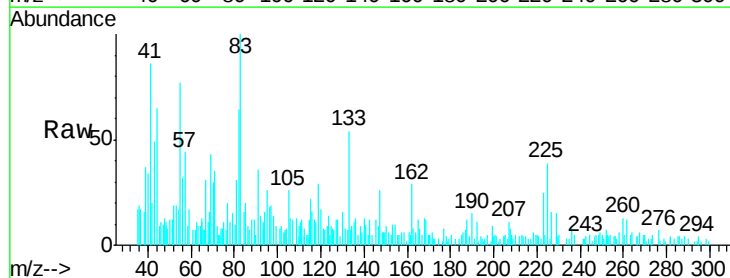
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2DL

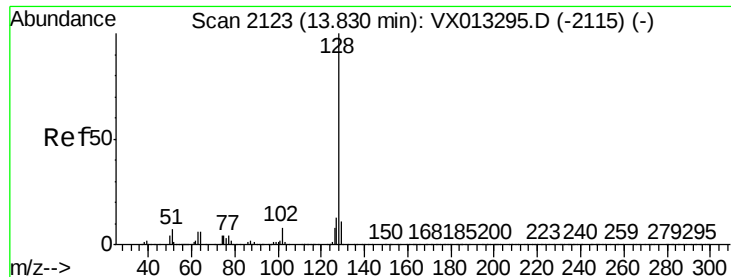
Tgt Ion:180 Resp: 3227  
 Ion Ratio Lower Upper  
 180 100  
 182 88.5 48.4 145.0  
 145 229.7 14.1 42.4#



#94  
 Hexachlorobutadiene  
 Concen: 0.310 ug/l  
 RT: 13.78 min Scan# 2115  
 Delta R.T. 0.01 min  
 Lab File: VX013537.D  
 Acq: 22 Nov 2019 16:45

Tgt Ion:225 Resp: 1530  
 Ion Ratio Lower Upper  
 225 100  
 223 76.0 31.9 95.7  
 227 67.7 31.9 95.9

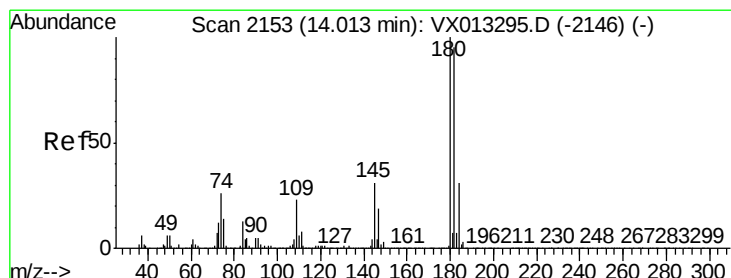
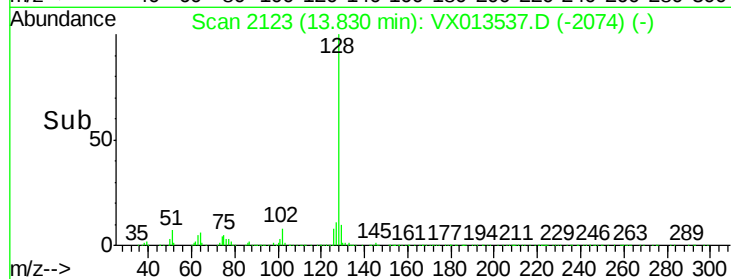
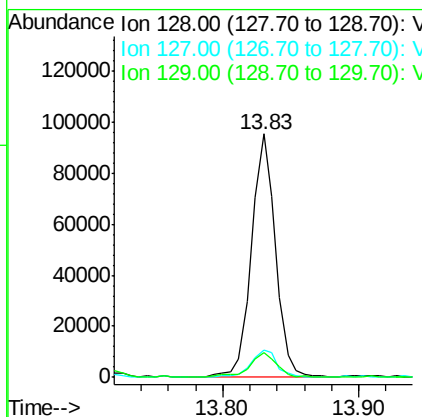
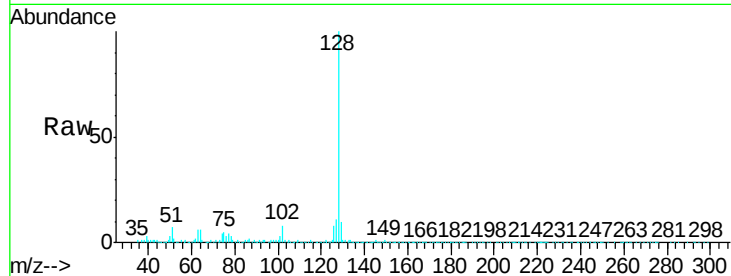




#95  
Naphthalene  
Concen: 3.729 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. -0.00 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2DL

Tgt Ion:128 Resp: 118005  
Ion Ratio Lower Upper  
128 100  
127 11.8 10.2 15.2  
129 11.7 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 0.284 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. -0.00 min  
Lab File: VX013537.D  
Acq: 22 Nov 2019 16:45

Tgt Ion:180 Resp: 2868  
Ion Ratio Lower Upper  
180 100  
182 102.4 48.0 144.2  
145 109.3 15.4 46.4#

