

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\  
 Data File : VX013483.D  
 Acq On : 20 Nov 2019 17:32  
 Operator : JC/SP  
 Sample : K5958-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FD-111919

Quant Time: Nov 21 00:50:20 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  | 719879   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 1143838  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 1047294  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 493938   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 423462   | 49.65 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.30%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 347289   | 48.41 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.82%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1393434  | 51.52 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.04% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 499471   | 51.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.34% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 6) Chloroethane                | 1.70  | 64   | 675      | Below Cal | #      | 43     |
| 11) Tert butyl alcohol         | 3.03  | 59   | 31188    | 13.875    | ug/l # | 91     |
| 13) Acrolein                   | 2.33  | 56   | 271      | 0.222     | ug/l # | 1      |
| 16) Acetone                    | 2.43  | 43   | 13212    | 3.106     | ug/l   | 93     |
| 17) Carbon Disulfide           | 2.56  | 76   | 5116     | 0.289     | ug/l # | 80     |
| 20) Methylene Chloride         | 2.85  | 84   | 2705     | 0.344     | ug/l # | 70     |
| 25) 2-Butanone                 | 4.69  | 43   | 5674     | 0.909     | ug/l # | 60     |
| 30) Chloroform                 | 5.20  | 83   | 52126    | 4.074     | ug/l   | 99     |
| 31) Cyclohexane                | 5.57  | 56   | 11226    | 0.963     | ug/l   | 88     |
| 36) 1,1-Dichloropropene        | 5.65  | 75   | 47108    | 4.801     | ug/l # | 52     |
| 38) Carbon Tetrachloride       | 5.65  | 117  | 62034    | 6.465     | ug/l # | 17     |
| 39) Methylcyclohexane          | 7.46  | 83   | 39087    | 3.197     | ug/l   | 94     |
| 40) Benzene                    | 6.14  | 78   | 16216    | 0.531     | ug/l # | 85     |
| 44) Trichloroethene            | 7.21  | 130  | 5582     | 0.663     | ug/l   | 84     |
| 49) 1,4-Dioxane                | 7.75  | 88   | 244      | 1.130     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 8437     | 0.681     | ug/l # | 64     |
| 55) 1,1,2-Trichloroethane      | 9.16  | 97   | 42293    | 5.386     | ug/l # | 19     |
| 56) Ethyl methacrylate         | 9.16  | 69   | 8993     | 2.213     | ug/l # | 1      |
| 58) 2-Chloroethyl Vinyl ether  | 8.25  | 63   | 1553     | 0.289     | ug/l   | 99     |
| 59) 2-Hexanone                 | 9.29  | 43   | 4778     | 0.499     | ug/l   | 86     |
| 64) Tetrachloroethene          | 9.33  | 164  | 12535    | 1.672     | ug/l   | 93     |
| 67) Ethyl Benzene              | 10.25 | 91   | 3907714  | 106.786   | ug/l   | 99     |
| 68) m/p-Xylenes                | 10.35 | 106  | 1648012  | 119.080   | ug/l   | 99     |
| 69) o-Xylene                   | 10.70 | 106  | 19307    | 1.425     | ug/l   | 99     |
| 71) Bromoform                  | 10.86 | 173  | 518      | 3.270     | ug/l # | 28     |
| 73) Isopropylbenzene           | 11.01 | 105  | 6722999  | 205.290   | ug/l   | 98     |
| 74) N-amyl acetate             | 10.90 | 43   | 73574    | 4.845     | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 60067    | 5.028     | ug/l # | 37     |
| 76) 1,2,3-Trichloropropane     | 11.35 | 75   | 84415    | 8.414     | ug/l # | 1      |
| 78) n-propylbenzene            | 11.35 | 91   | 12079637 | 331.128   | ug/l   | 90     |
| 79) 2-Chlorotoluene            | 11.45 | 91   | 1309343  | 59.572    | ug/l # | 40     |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 8330500  | 305.392   | ug/l   | 96     |
| 81) trans-1,4-Dichloro-2-buten | 11.01 | 75   | 77409    | 19.860    | ug/l # | 71     |
| 82) 4-Chlorotoluene            | 11.50 | 91   | 901234   | 35.028    | ug/l # | 44     |

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

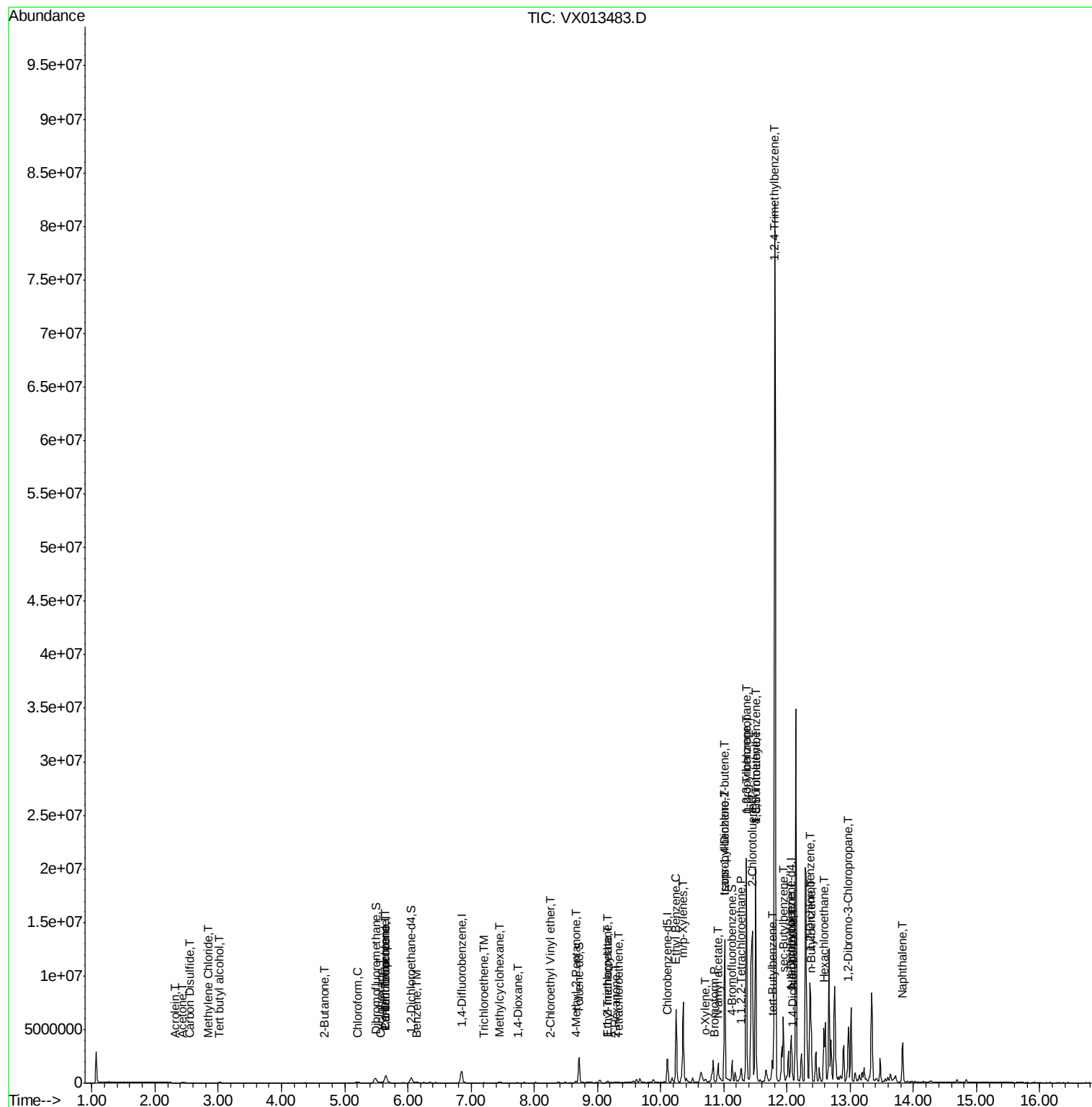
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 83) tert-Butylbenzene          | 11.77 | 119  | 644445   | 23.469  | ug/l   | 88       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 18260416 | 667.319 | ug/l # | 44       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 3194113  | 101.212 | ug/l # | 74       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 1592031  | 54.784  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 6374     | 0.402   | ug/l # | 1        |
| 89) n-Butylbenzene             | 12.39 | 91   | 2138908  | 84.352  | ug/l # | 57       |
| 90) Hexachloroethane           | 12.58 | 117  | 202618   | 39.133  | ug/l # | 6        |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 4226     | 0.272   | ug/l # | 77       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.97 | 75   | 16851    | 5.789   | ug/l # | 1        |
| 95) Naphthalene                | 13.83 | 128  | 2255659  | 66.256  | ug/l   | 99       |

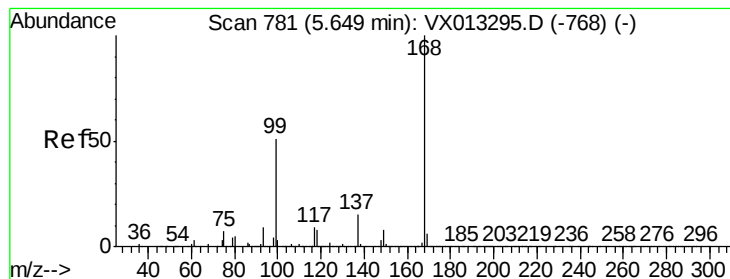
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampleID :

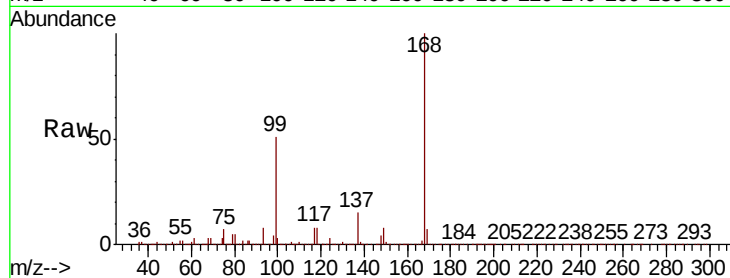
FD-111919

Tot Ion:168 Resp: 719879

Ion Ratio Lower Upper

168 100

99 51.0 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

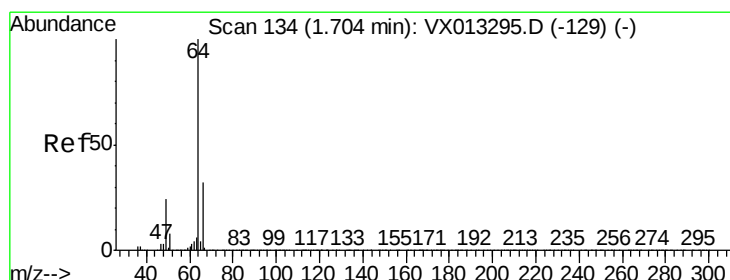
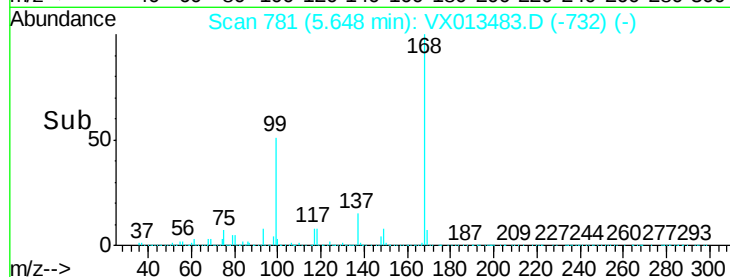
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX013483.D

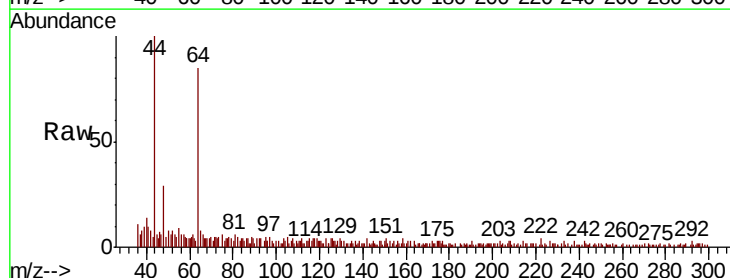
Acq: 20 Nov 2019 17:32

Tgt Ion: 64 Resp: 675

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

6000

5000

4000

3000

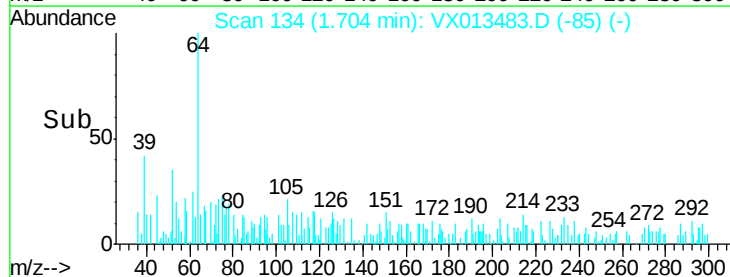
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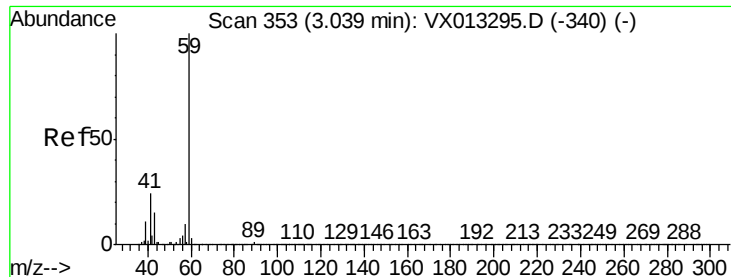
1000

0

Time-->

1.69 1.70 1.71 1.72



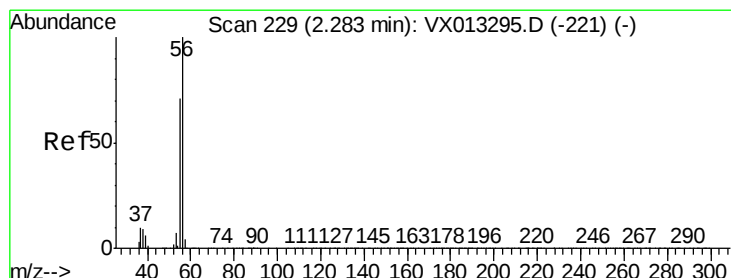
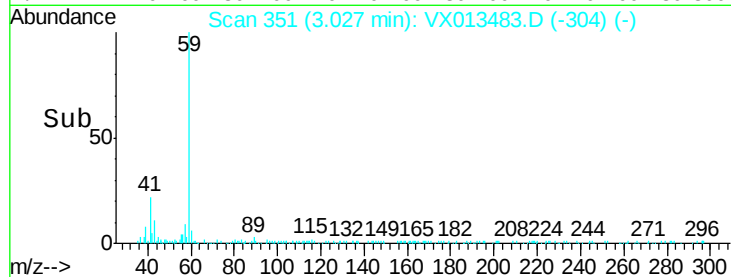
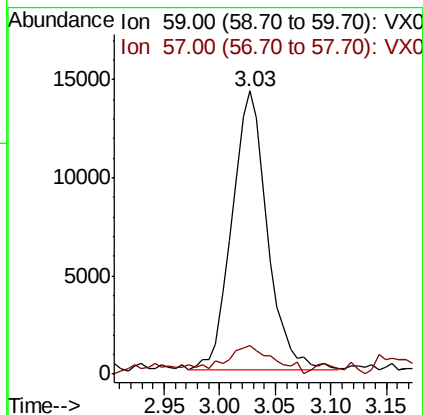
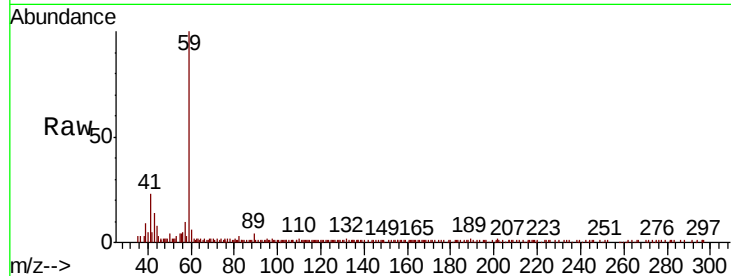


#11

Tert butyl alcohol  
 Concen: 13.875 ug/l  
 RT: 3.03 min Scan# 351  
 Delta R.T. -0.01 min  
 Lab File: VX013483.D  
 Acq: 20 Nov 2019 17:32

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FD-111919

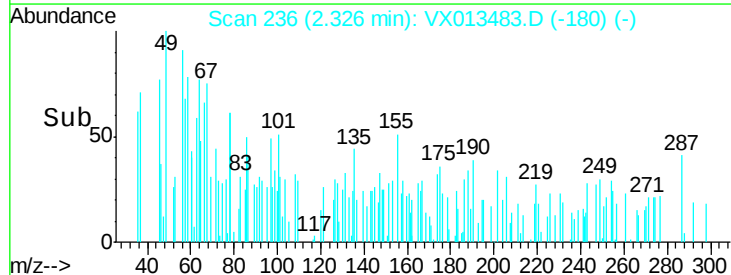
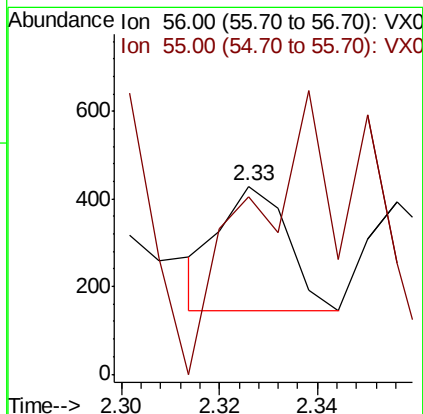
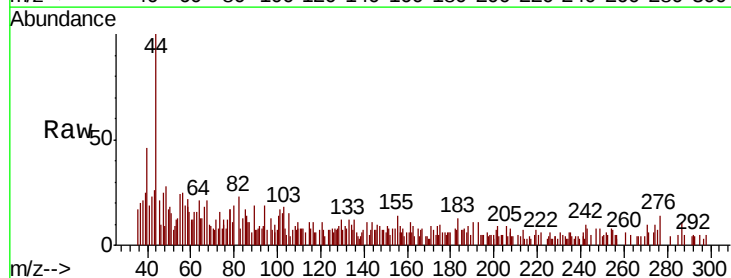
Tot Ion: 59 Resp: 31188  
 Ion Ratio Lower Upper  
 59 100  
 57 13.2 8.0 12.0#

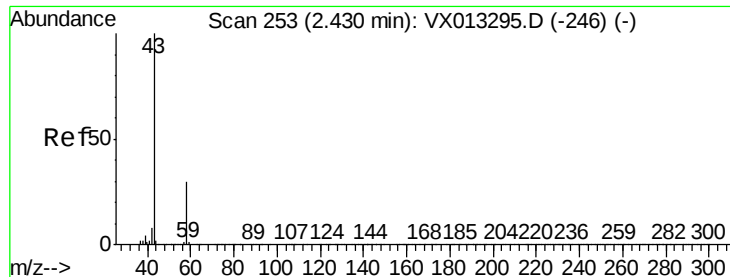


#13

Acrolein  
 Concen: 0.222 ug/l  
 RT: 2.33 min Scan# 236  
 Delta R.T. 0.04 min  
 Lab File: VX013483.D  
 Acq: 20 Nov 2019 17:32

Tgt Ion: 56 Resp: 271  
 Ion Ratio Lower Upper  
 56 100  
 55 379.7 57.4 86.0#





#16

Acetone

Concen: 3.106 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

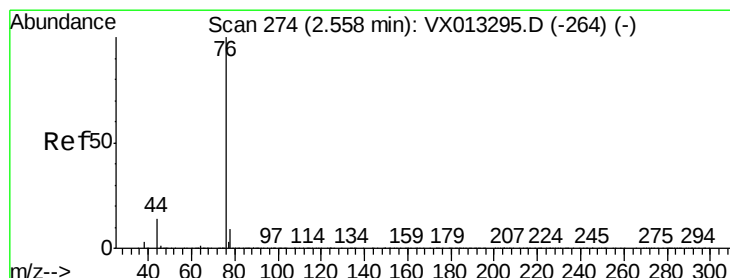
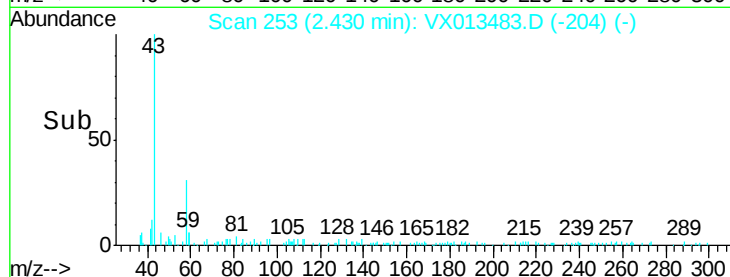
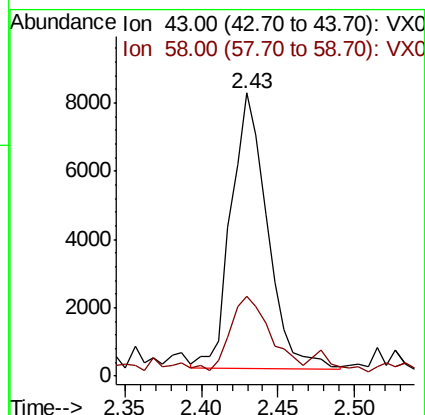
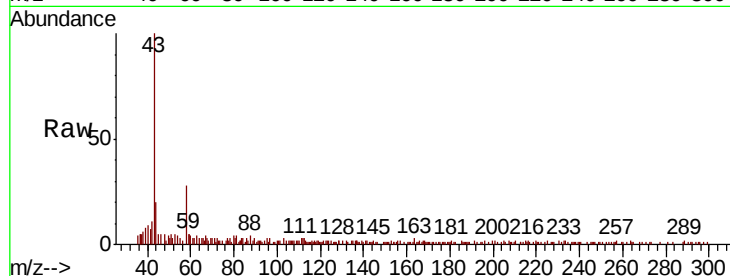
FD-111919

Tot Ion: 43 Resp: 13212

Ion Ratio Lower Upper

43 100

58 26.4 24.3 36.5



#17

Carbon Disulfide

Concen: 0.289 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013483.D

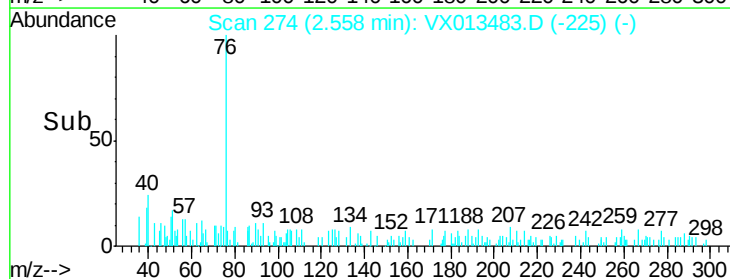
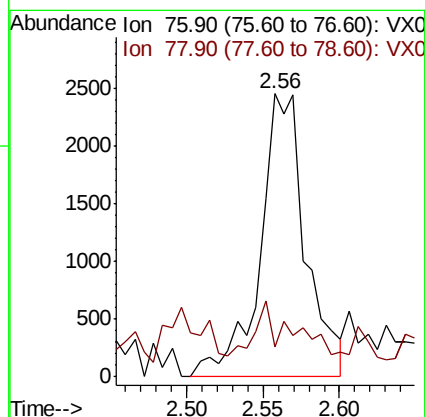
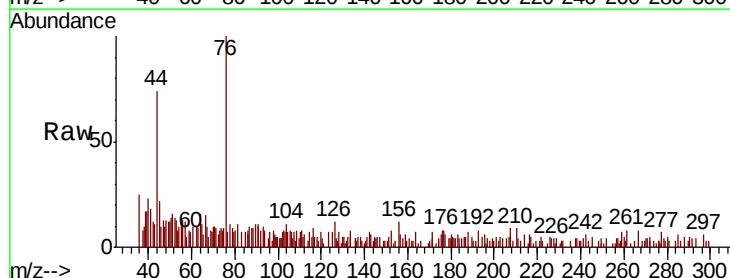
Acq: 20 Nov 2019 17:32

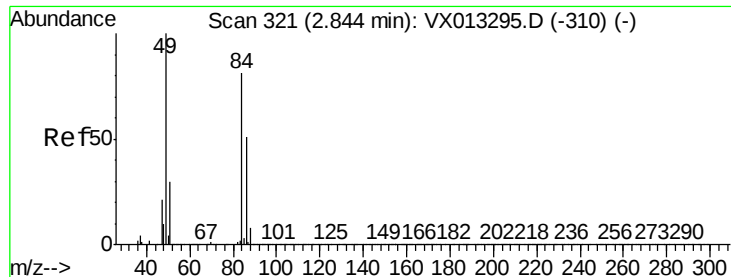
Tgt Ion: 76 Resp: 5116

Ion Ratio Lower Upper

76 100

78 1.6 7.0 10.6#

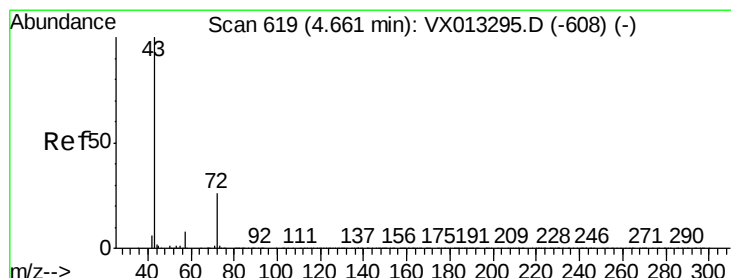
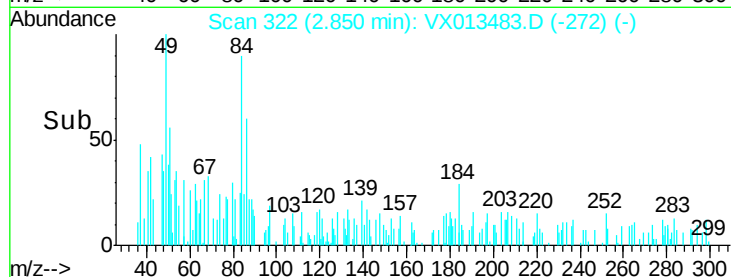
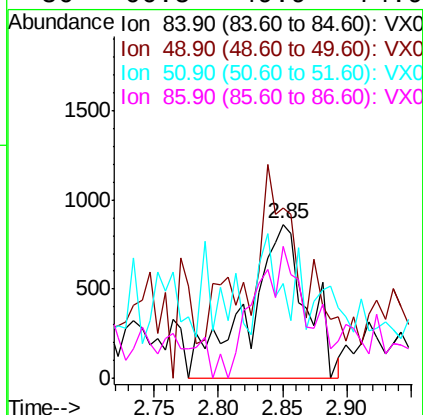
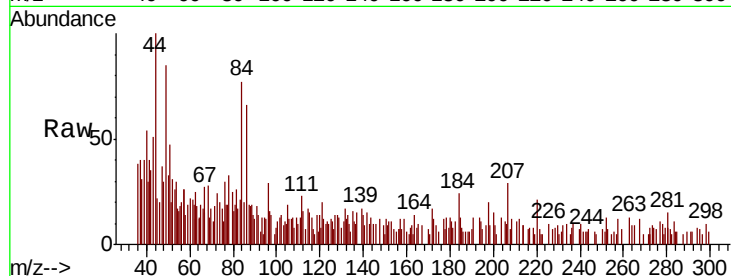




#20  
Methylene Chloride  
Concen: 0.344 ug/l  
RT: 2.85 min Scan# 322  
Delta R.T. 0.01 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

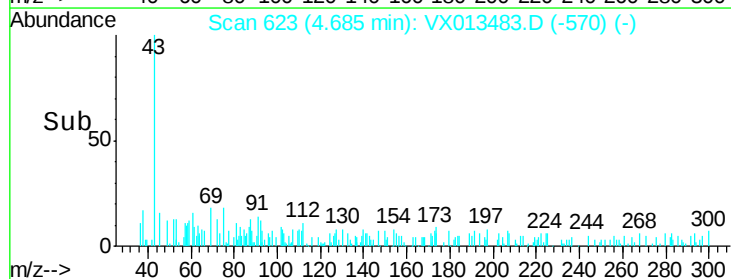
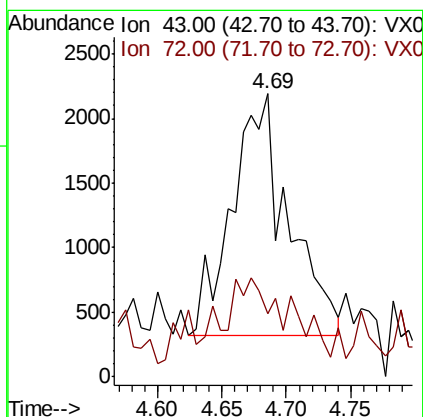
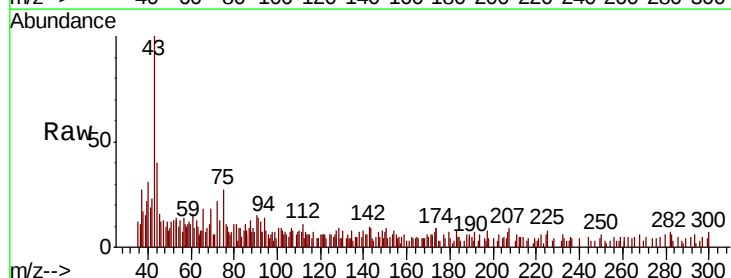
Instrument :  
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FD-111919

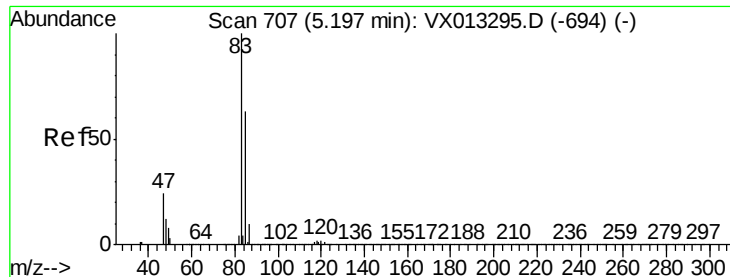
Tot Ion: 84 Resp: 2705  
Ion Ratio Lower Upper  
84 100  
49 70.8 98.2 147.4#  
51 47.7 29.9 44.9#  
86 66.5 49.9 74.9



#25  
2-Butanone  
Concen: 0.909 ug/l  
RT: 4.69 min Scan# 623  
Delta R.T. 0.02 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

Tgt Ion: 43 Resp: 5674  
Ion Ratio Lower Upper  
43 100  
72 5.7 21.0 31.6#

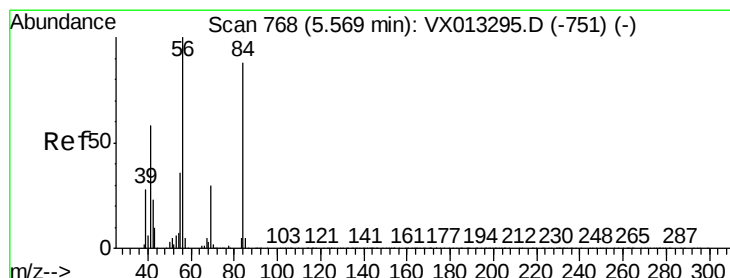
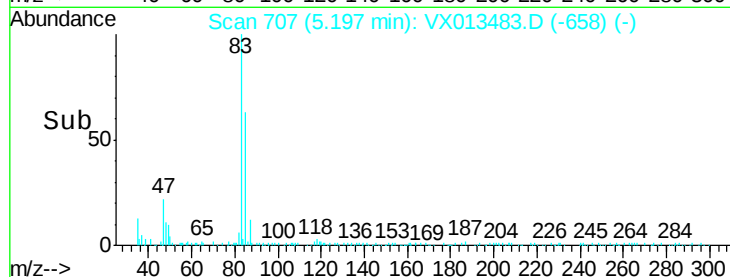
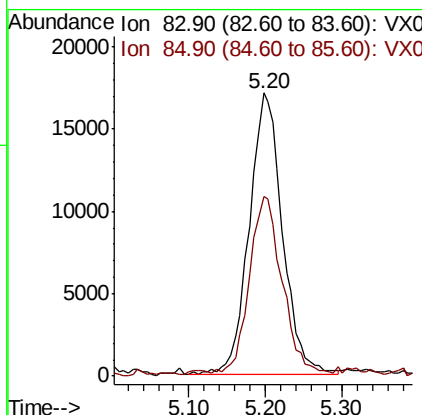
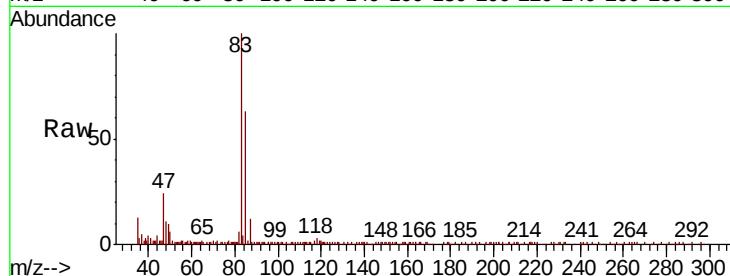




#30  
Chloroform  
Concen: 4.074 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. -0.00 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

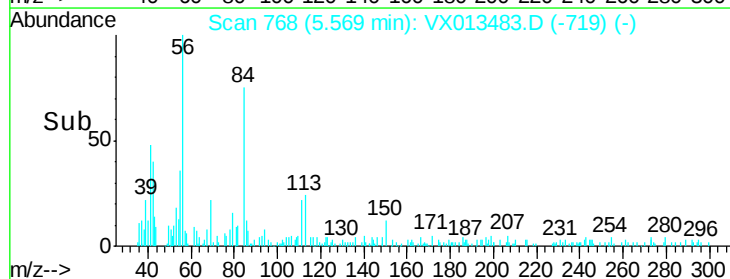
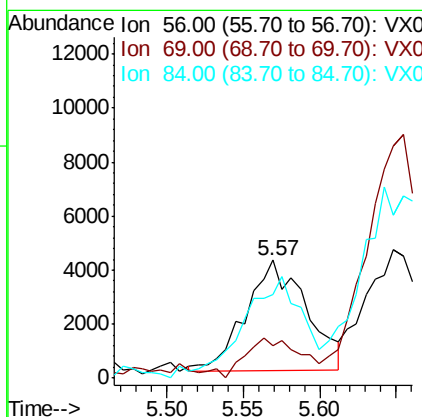
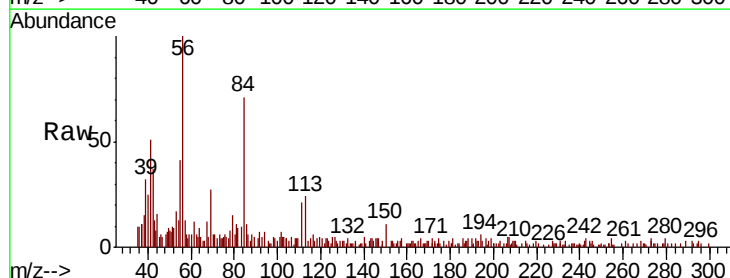
Instrument :  
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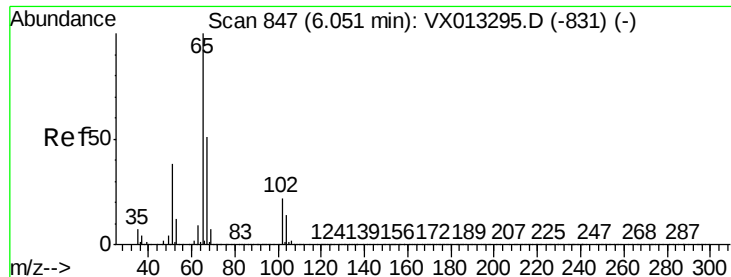
Tot Ion: 83 Resp: 52126  
Ion Ratio Lower Upper  
83 100  
85 61.9 50.2 75.4



#31  
Cyclohexane  
Concen: 0.963 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. -0.00 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

Tgt Ion: 56 Resp: 11226  
Ion Ratio Lower Upper  
56 100  
69 24.3 23.7 35.5  
84 76.9 70.6 105.8





#33

1,2-Dichloroethane-d4

Concen: 49.653 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

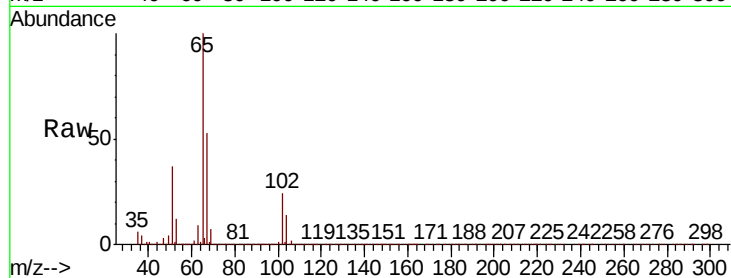
FD-111919

Tot Ion: 65 Resp: 423462

Ion Ratio Lower Upper

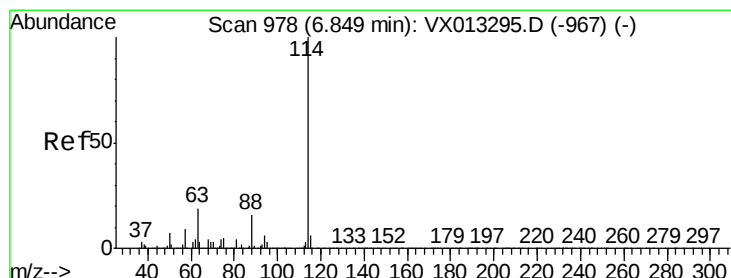
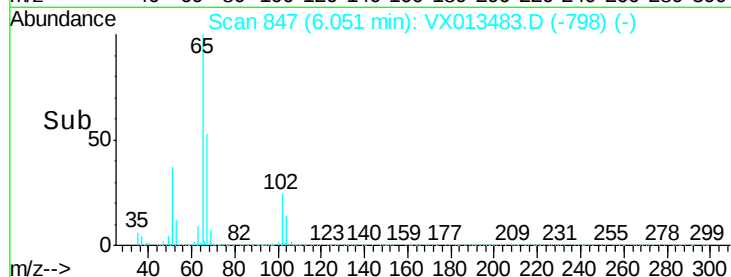
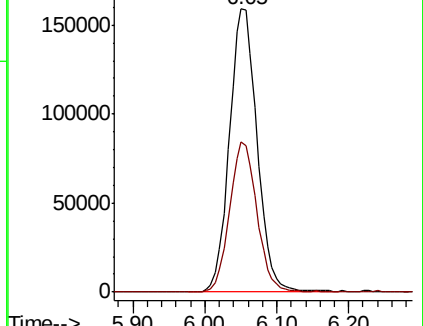
65 100

67 52.5 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

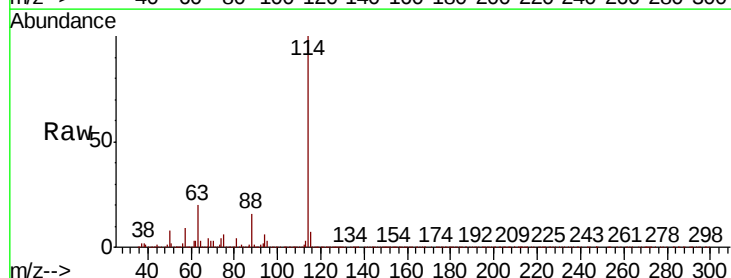
Tgt Ion: 114 Resp: 1143838

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

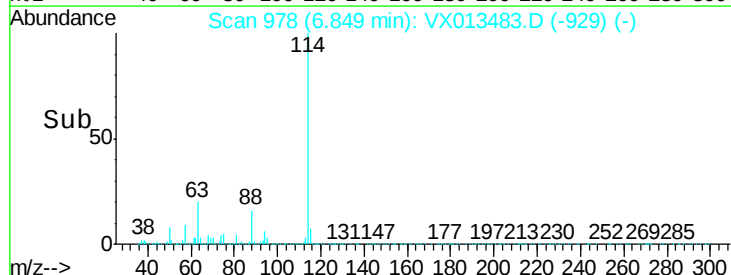
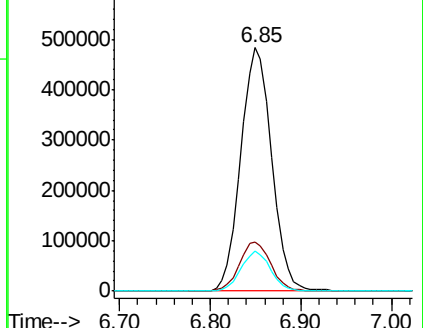
88 16.2 0.0 32.2

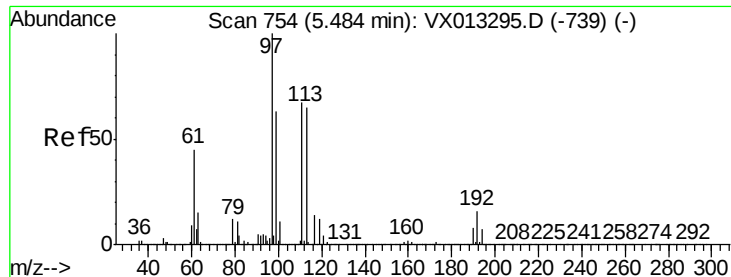


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

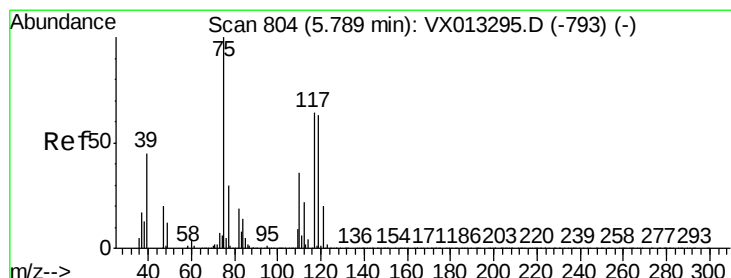
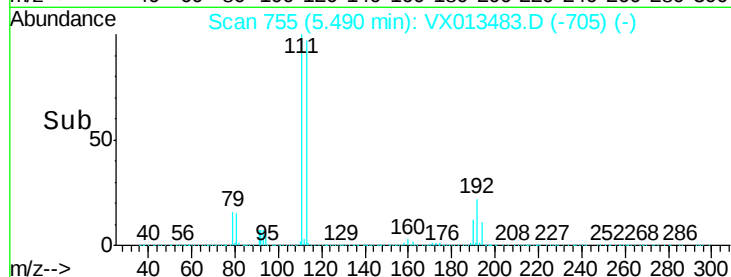
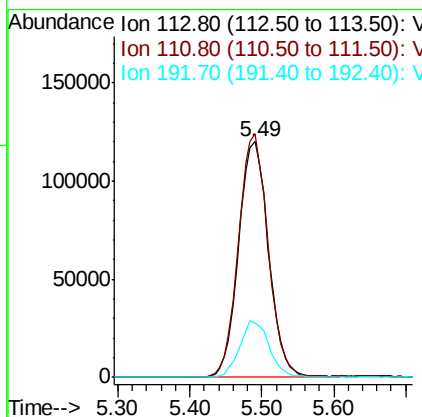
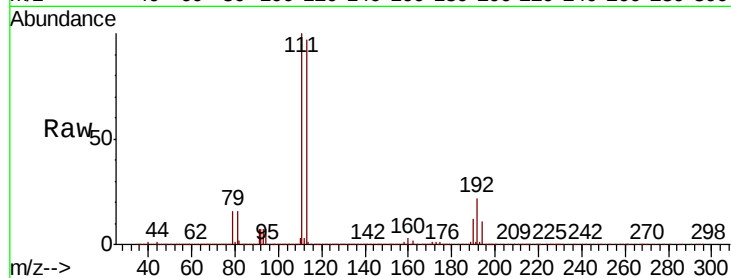




#35  
Dibromofluoromethane  
Concen: 48.407 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. 0.01 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

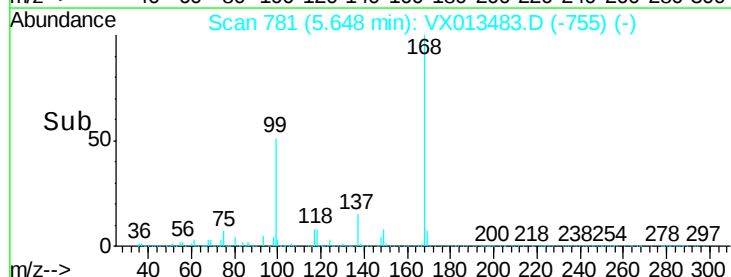
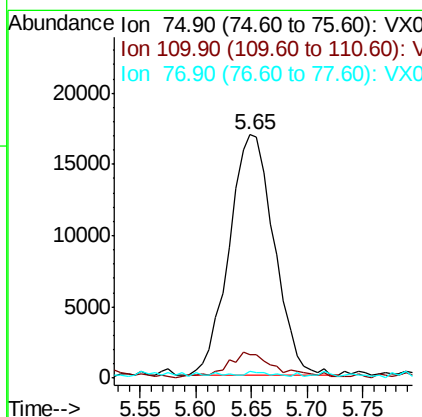
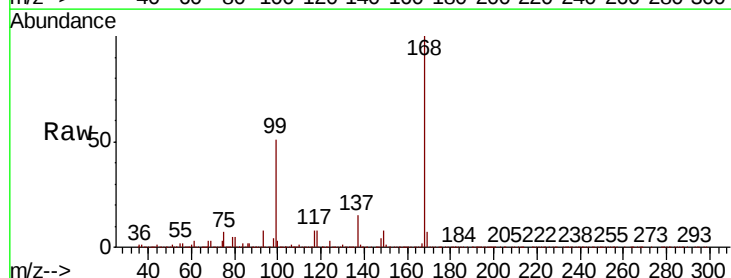
Instrument :  
MSVOA\_X  
ClientSampleId :  
FD-111919

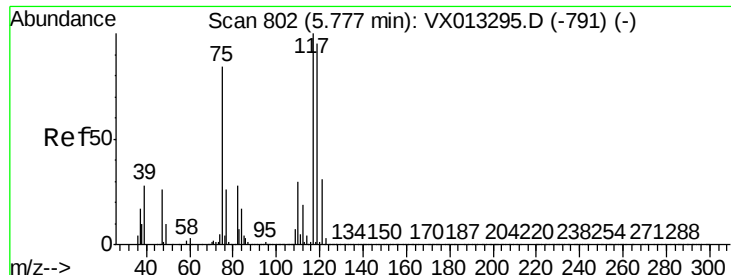
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.9 | 81.9  | 122.9 |
| 192     | 23.7  | 19.1  | 28.7  |



#36  
1,1-Dichloropropene  
Concen: 4.801 ug/l  
RT: 5.65 min Scan# 781  
Delta R.T. -0.14 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 11.8  | 18.1  | 54.1# |
| 77      | 0.9   | 25.0  | 37.4# |





#38

Carbon Tetrachloride

Concen: 6.465 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

FD-111919

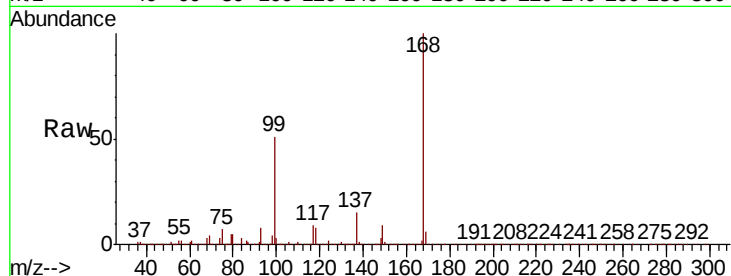
Tot Ion:117 Resp: 62034

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

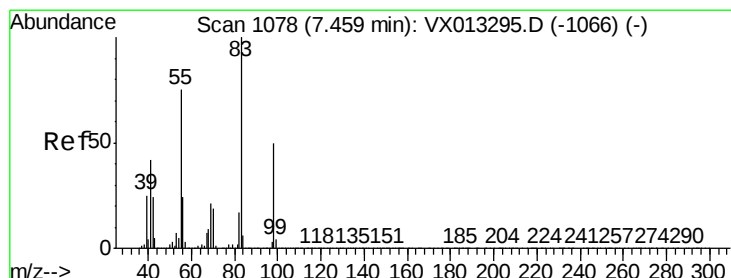
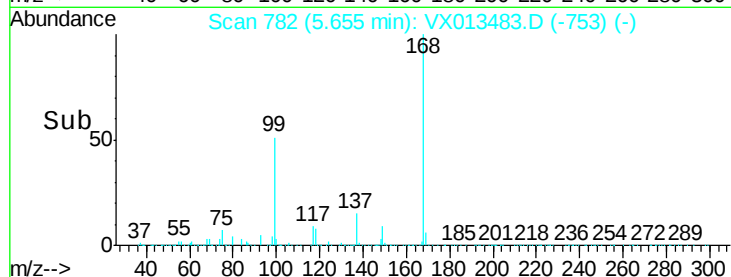
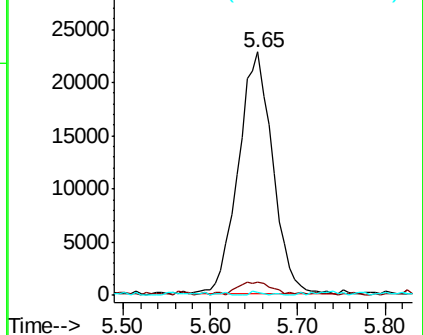
121 0.5 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 3.197 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

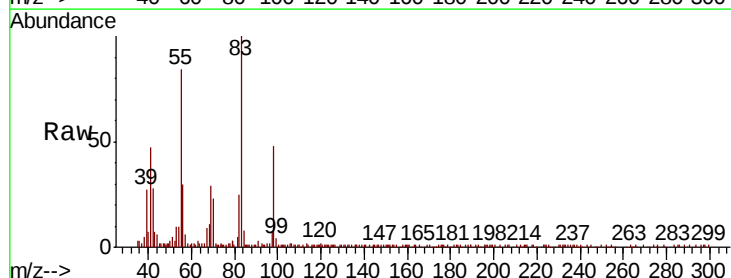
Tgt Ion: 83 Resp: 39087

Ion Ratio Lower Upper

83 100

55 82.3 60.3 90.5

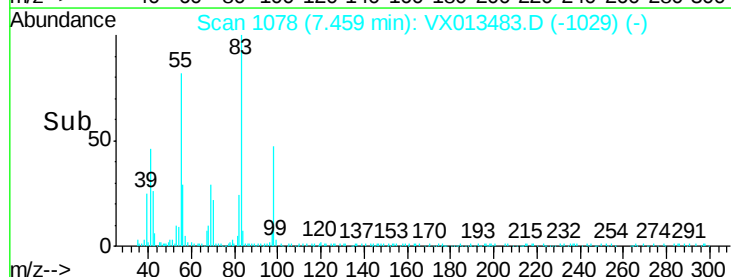
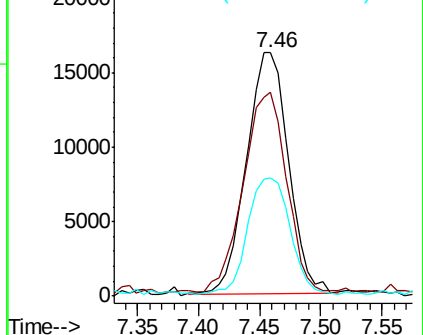
98 48.2 40.3 60.5

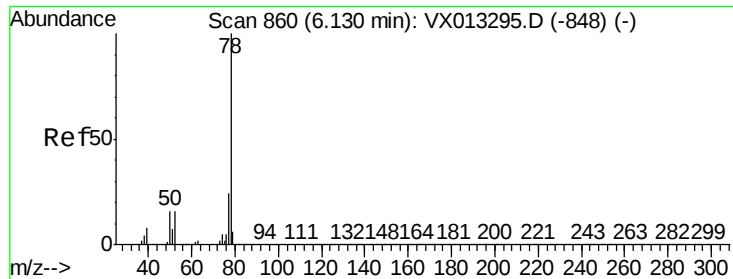


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.531 ug/l

RT: 6.14 min Scan# 862

Delta R.T. 0.01 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

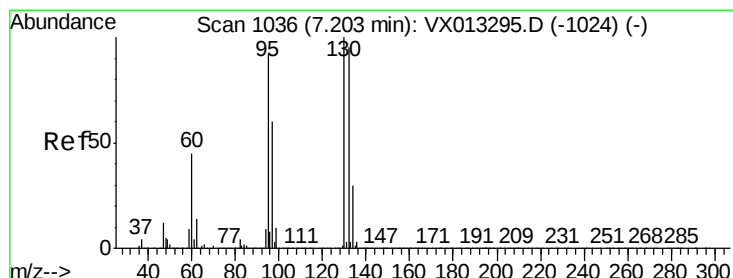
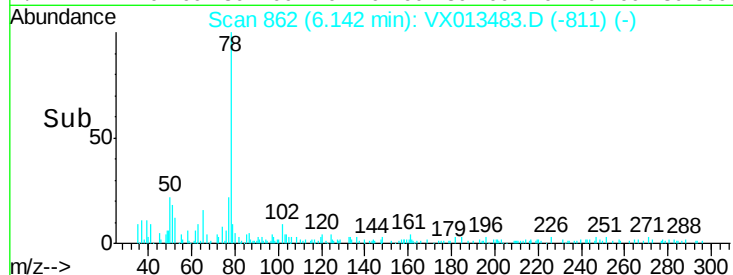
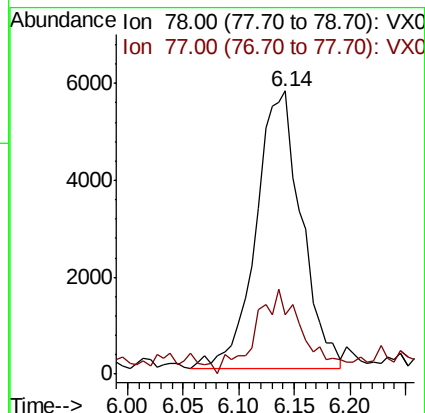
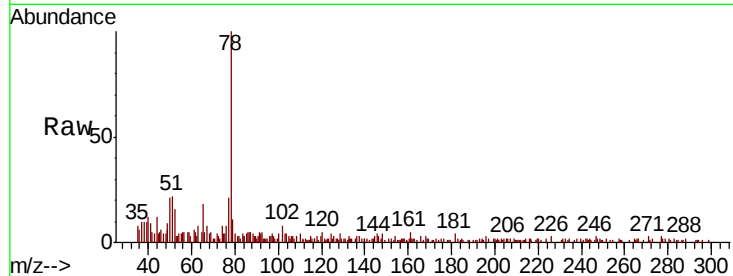
FD-111919

Tot Ion: 78 Resp: 16216

Ion Ratio Lower Upper

78 100

77 16.7 19.5 29.3#



#44

Trichloroethene

Concen: 0.663 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013483.D

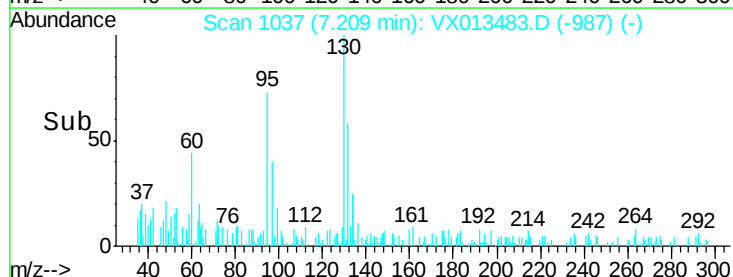
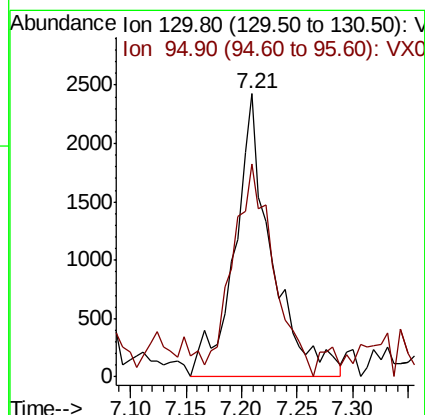
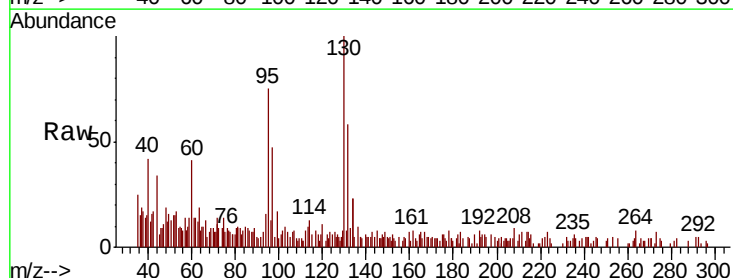
Acq: 20 Nov 2019 17:32

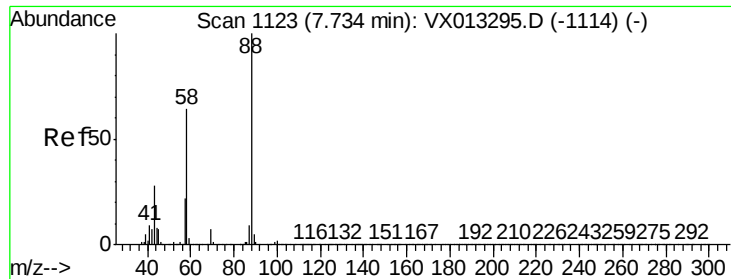
Tgt Ion: 130 Resp: 5582

Ion Ratio Lower Upper

130 100

95 76.7 0.0 184.8





#49

1,4-Dioxane

Concen: 1.130 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

FD-111919

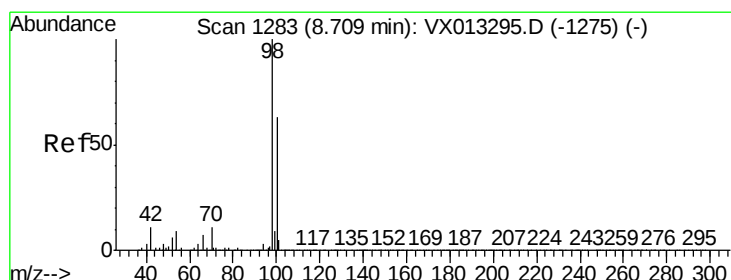
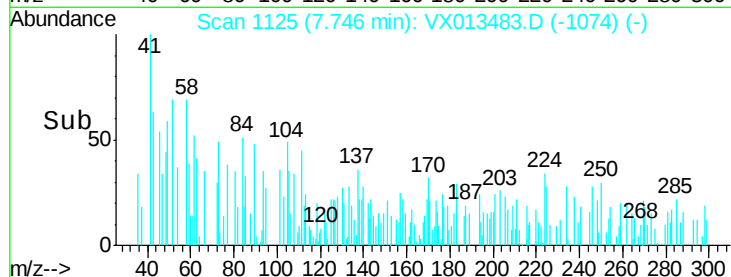
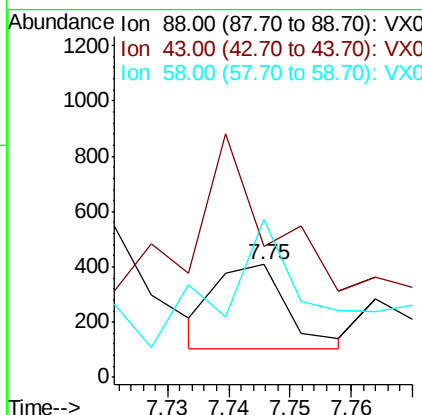
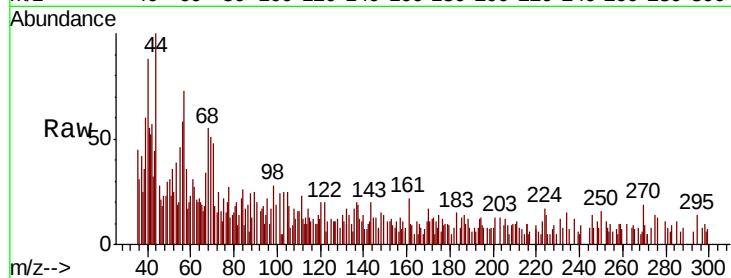
Tot Ion: 88 Resp: 244

Ion Ratio Lower Upper

88 100

43 281.1 26.6 39.8#

58 237.7 55.0 82.6#



#50

Toluene-d8

Concen: 51.520 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013483.D

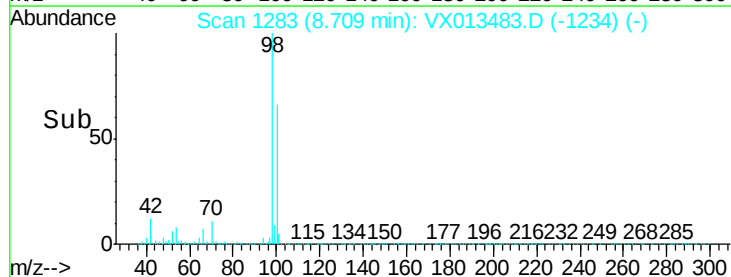
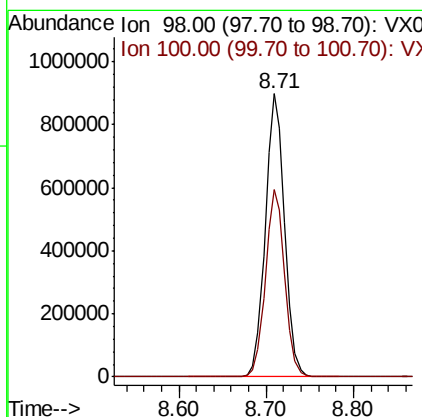
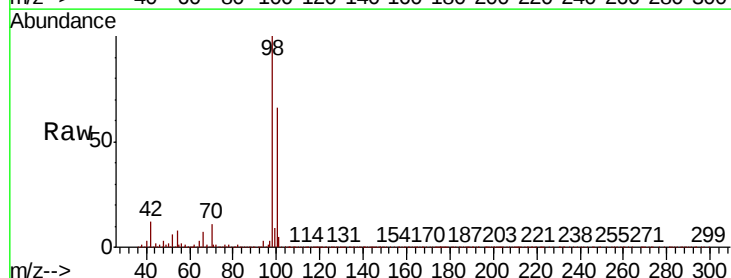
Acq: 20 Nov 2019 17:32

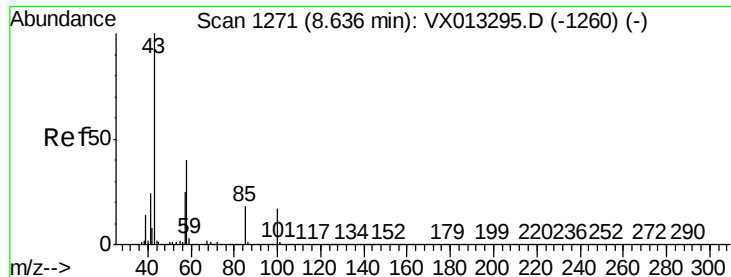
Tgt Ion: 98 Resp: 1393434

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.2

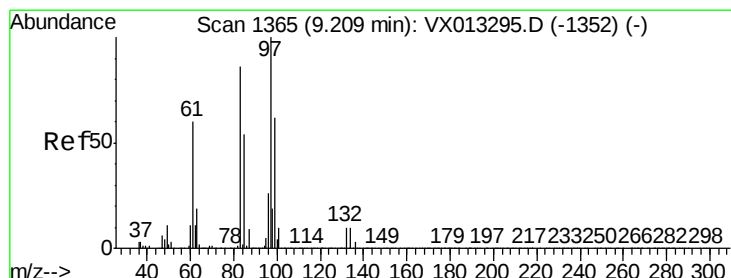
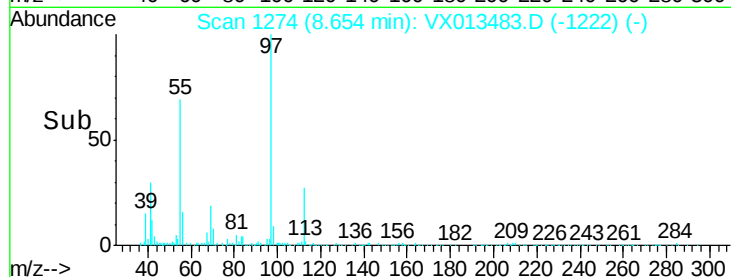
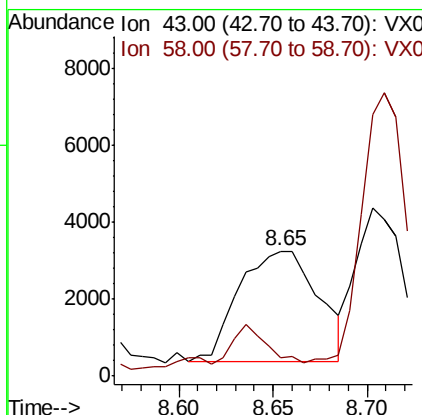
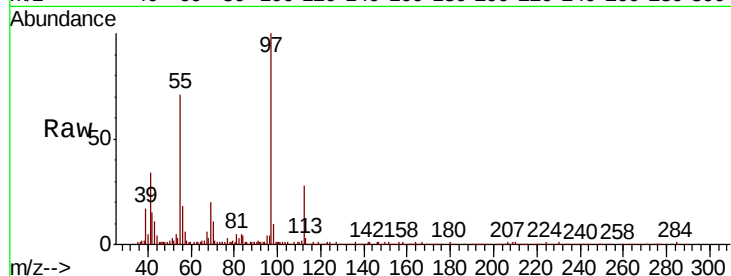




#51  
4-Methyl-2-Pentanone  
Concen: 0.681 ug/l  
RT: 8.65 min Scan# 1274  
Delta R.T. 0.02 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

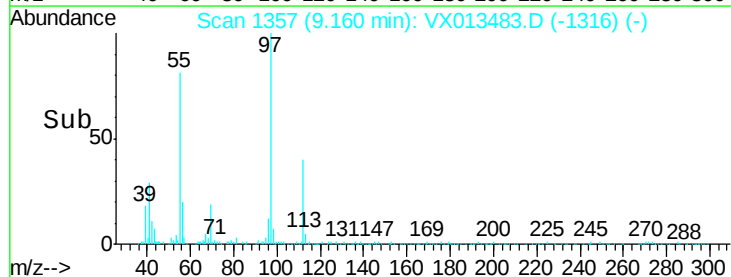
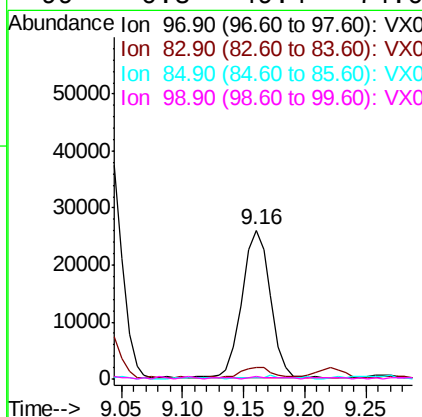
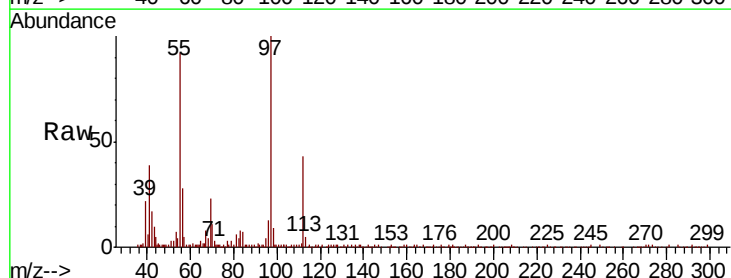
Instrument :  
MSVOA\_X  
ClientSampleId :  
FD-111919

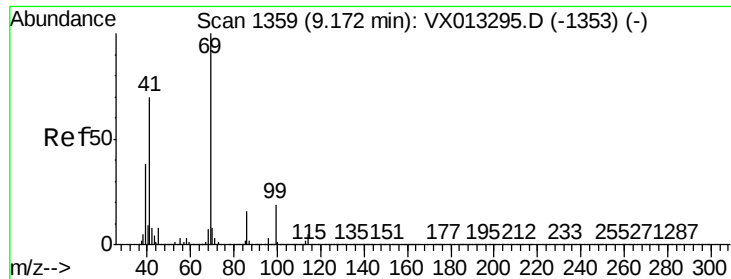
Tot Ion: 43 Resp: 8437  
Ion Ratio Lower Upper  
43 100  
58 17.2 31.4 47.0#



#55  
1,1,2-Trichloroethane  
Concen: 5.386 ug/l  
RT: 9.16 min Scan# 1357  
Delta R.T. -0.05 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

Tgt Ion: 97 Resp: 42293  
Ion Ratio Lower Upper  
97 100  
83 6.5 68.6 103.0#  
85 0.1 43.1 64.7#  
99 0.8 49.4 74.0#

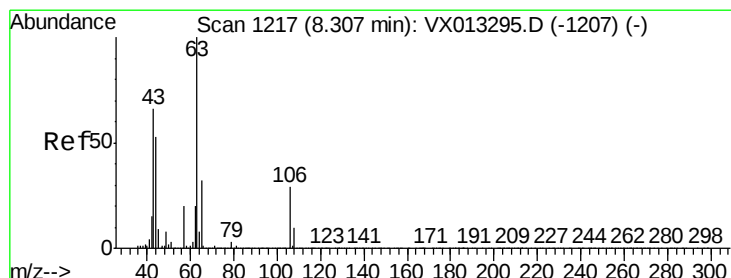
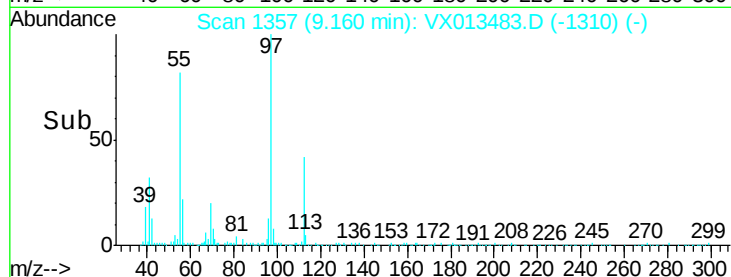
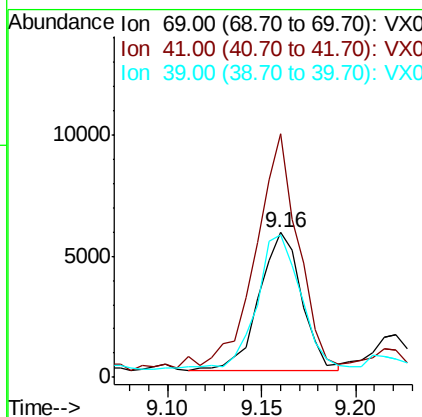
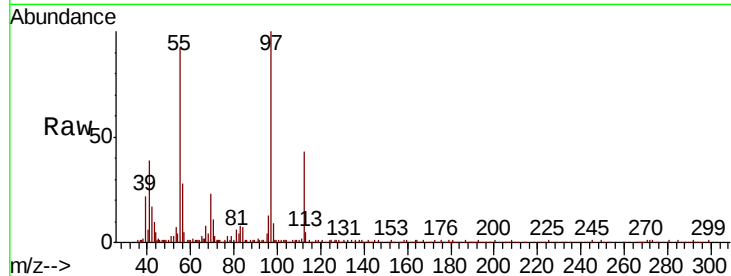




#56  
Ethyl methacrylate  
Concen: 2.213 ug/l  
RT: 9.16 min Scan# 1357  
Delta R.T. -0.01 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

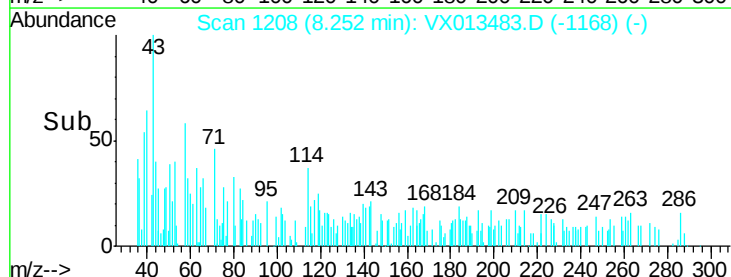
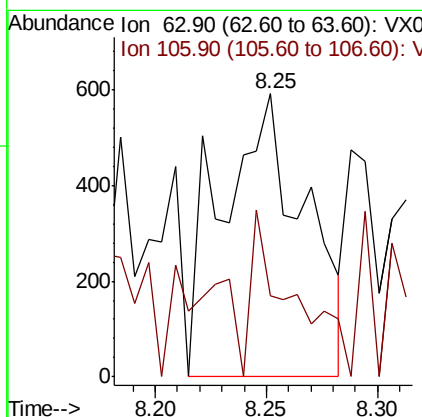
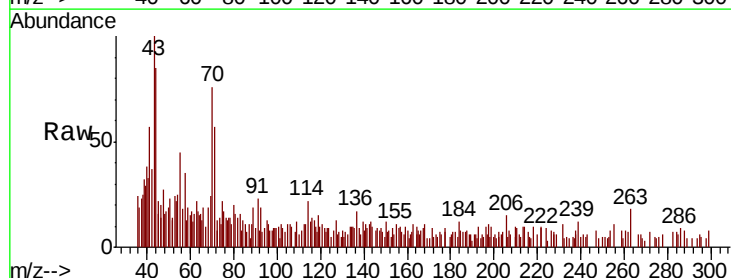
Instrument :  
MSVOA\_X  
ClientSampled :  
FD-111919

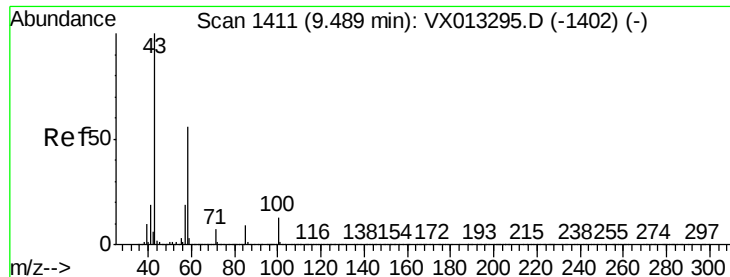
Tot Ion: 69 Resp: 8993  
Ion Ratio Lower Upper  
69 100  
41 175.5 56.2 84.2#  
39 98.2 31.1 46.7#



#58  
2-Chloroethyl Vinyl ether  
Concen: 0.289 ug/l  
RT: 8.25 min Scan# 1208  
Delta R.T. -0.05 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

Tgt Ion: 63 Resp: 1553  
Ion Ratio Lower Upper  
63 100  
106 28.8 23.4 35.2

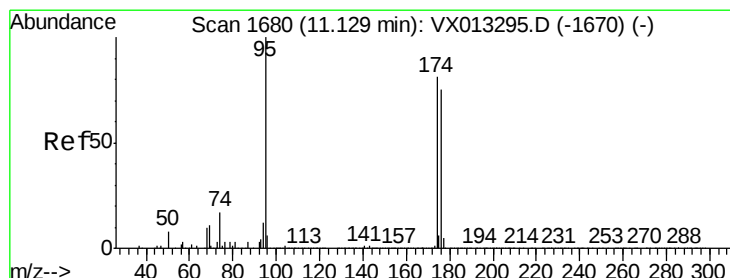
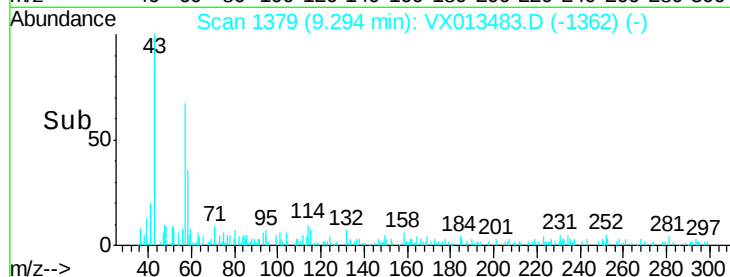
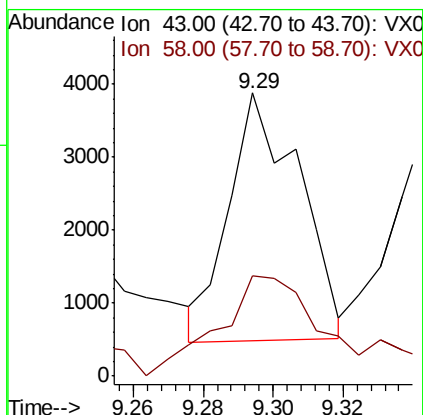
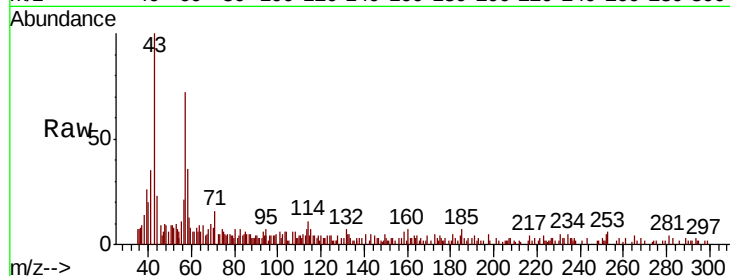




#59  
2-Hexanone  
Concen: 0.499 ug/l  
RT: 9.29 min Scan# 1379  
Delta R.T. -0.20 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

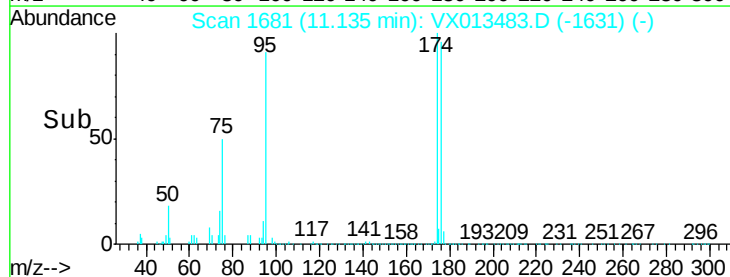
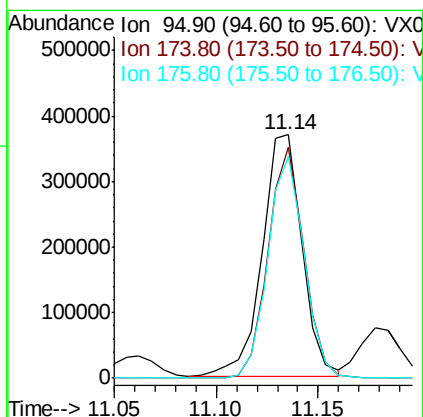
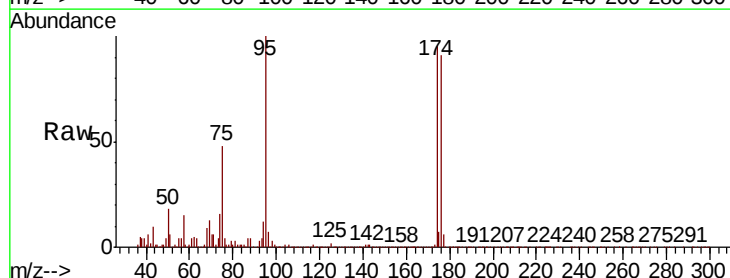
Instrument :  
MSVOA\_X  
ClientSampleId :  
FD-111919

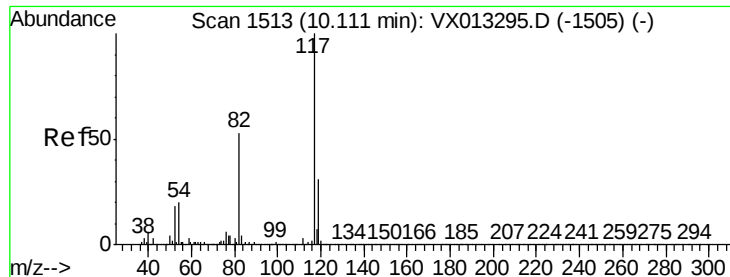
Tot Ion: 43 Resp: 4778  
Ion Ratio Lower Upper  
43 100  
58 64.3 27.3 81.8



#62  
4-Bromofluorobenzene  
Concen: 51.169 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

Tgt Ion: 95 Resp: 499471  
Ion Ratio Lower Upper  
95 100  
174 86.7 0.0 179.8  
176 84.3 0.0 173.0

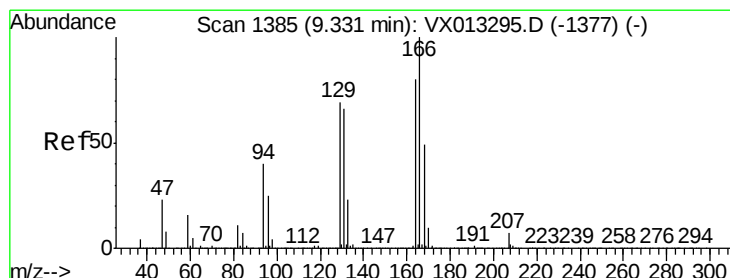
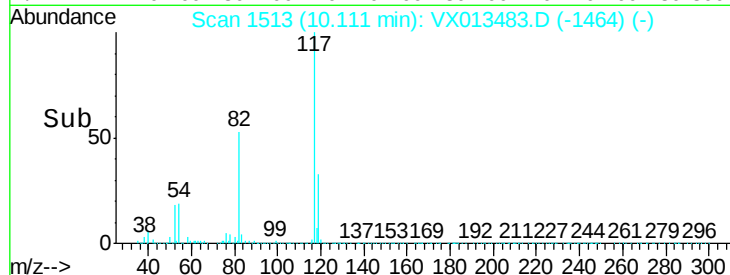
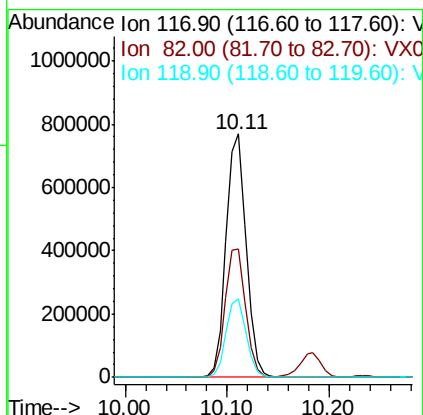
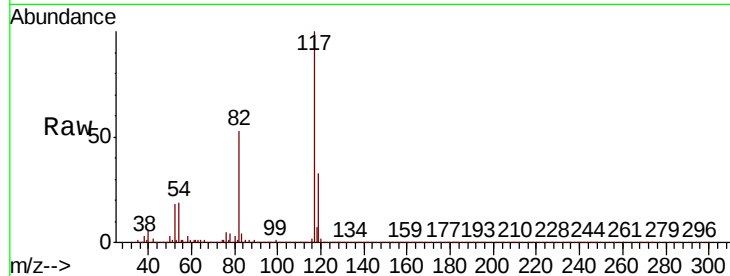




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

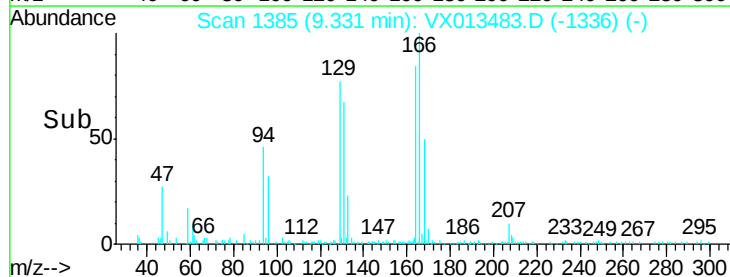
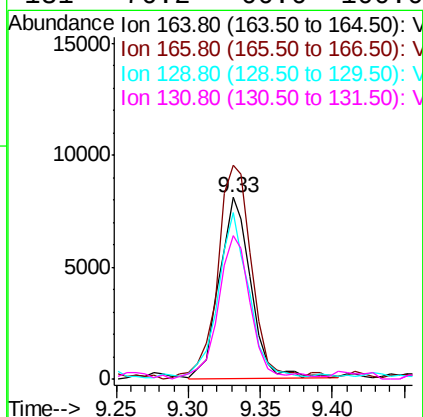
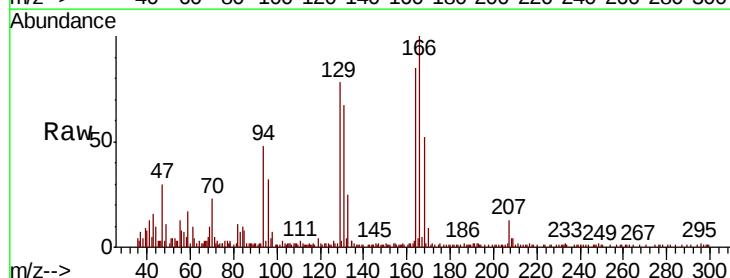
Instrument :  
MSVOA\_X  
ClientSampled :  
FD-111919

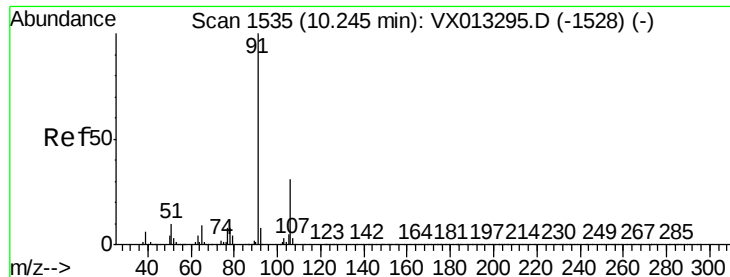
Tot Ion:117 Resp: 1047294  
Ion Ratio Lower Upper  
117 100  
82 52.5 42.6 64.0  
119 32.5 24.8 37.2



#64  
Tetrachloroethene  
Concen: 1.672 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

Tgt Ion:164 Resp: 12535  
Ion Ratio Lower Upper  
164 100  
166 117.5 100.4 150.6  
129 91.1 69.4 104.2  
131 76.2 66.6 100.0





#67

Ethyl Benzene

Concen: 106.786 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

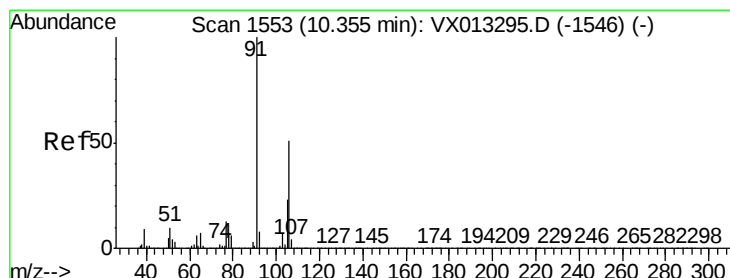
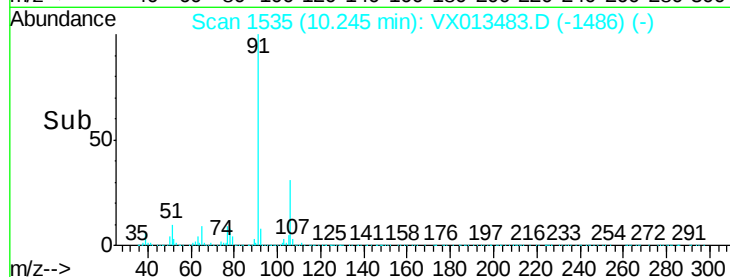
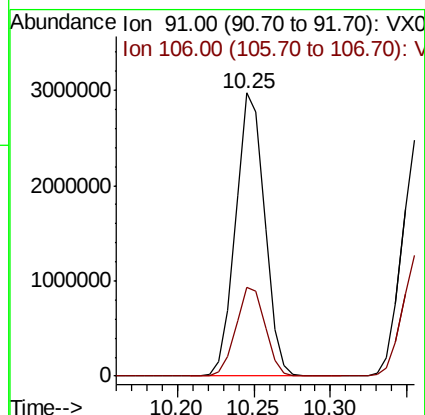
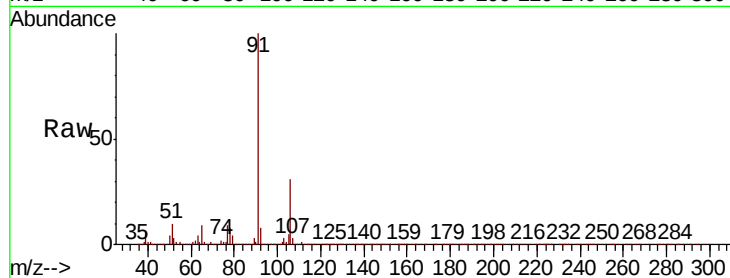
FD-111919

Tot Ion: 91 Resp: 3907714

Ion Ratio Lower Upper

91 100

106 31.3 24.6 36.8



#68

m/p-Xylenes

Concen: 119.080 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013483.D

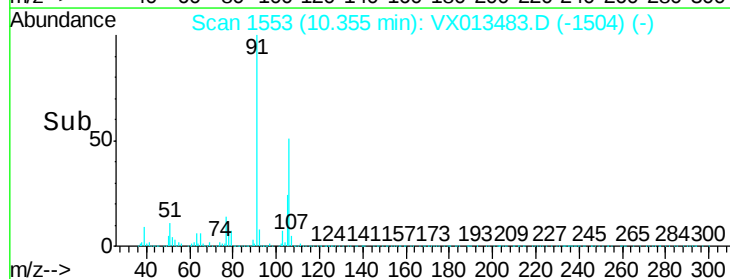
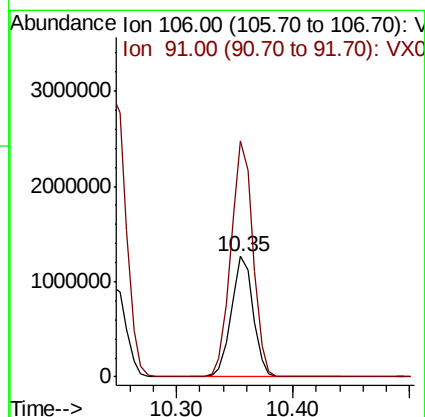
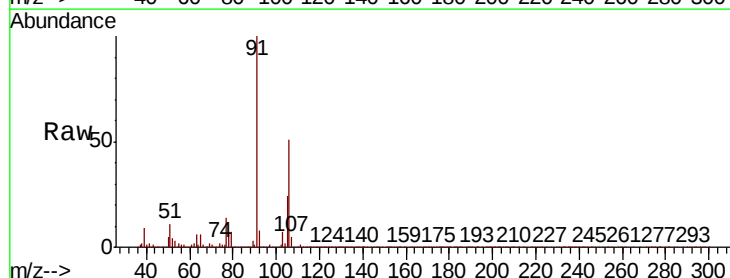
Acq: 20 Nov 2019 17:32

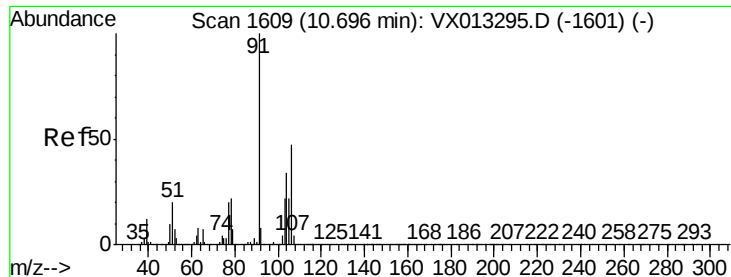
Tgt Ion: 106 Resp: 1648012

Ion Ratio Lower Upper

106 100

91 197.5 159.3 238.9

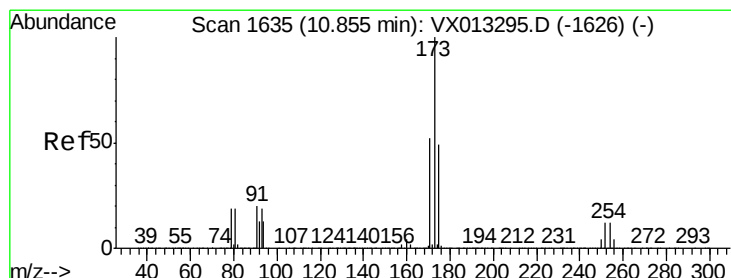
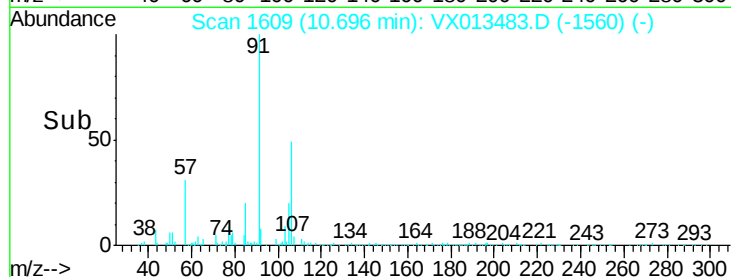
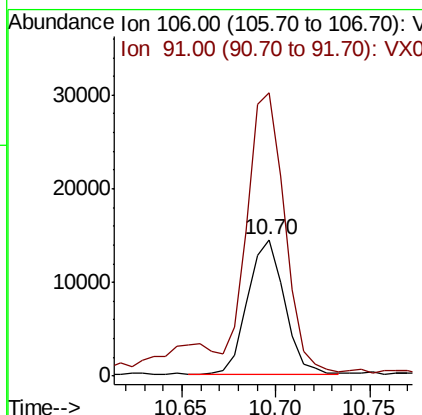
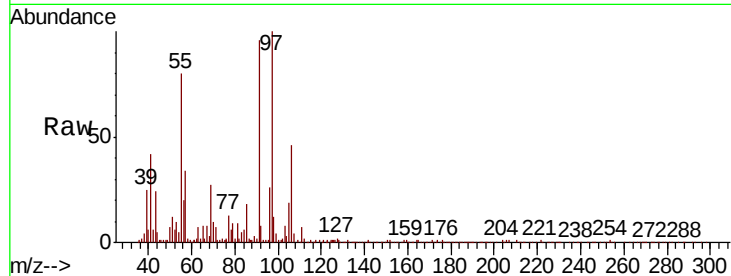




#69  
o-Xylene  
Concen: 1.425 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. -0.00 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

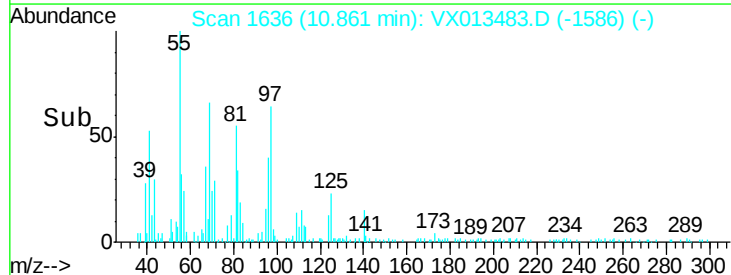
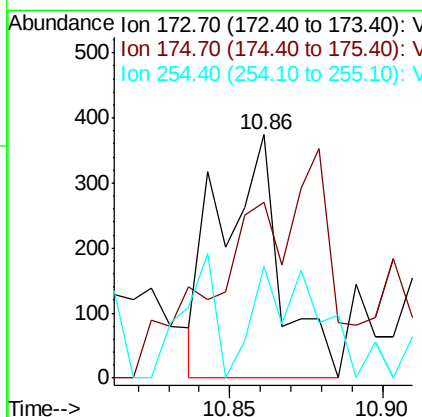
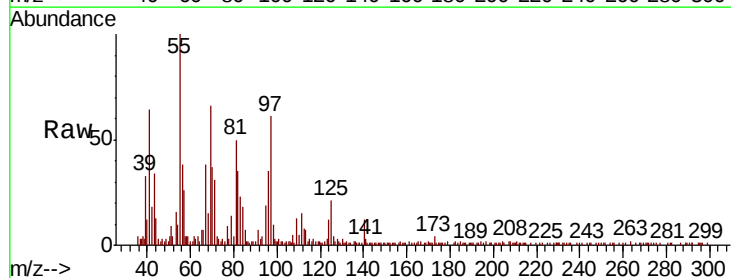
Instrument :  
MSVOA\_X  
ClientSampled :  
FD-111919

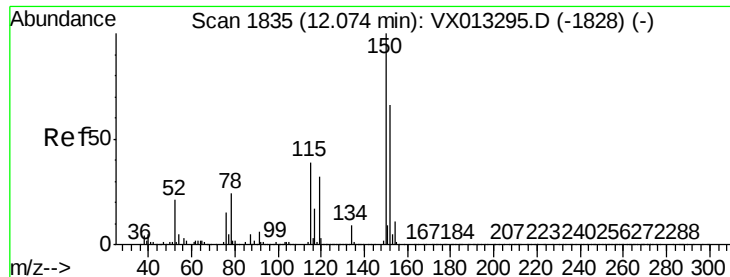
Tot Ion:106 Resp: 19307  
Ion Ratio Lower Upper  
106 100  
91 212.7 105.7 317.0



#71  
Bromoform  
Concen: 3.270 ug/l  
RT: 10.86 min Scan# 1636  
Delta R.T. 0.01 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

Tgt Ion:173 Resp: 518  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.8 74.4#  
254 50.8 0.2 0.2#



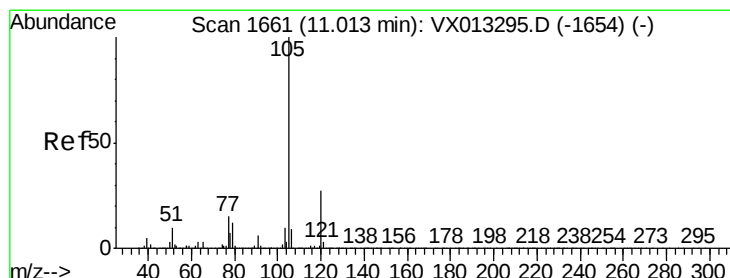
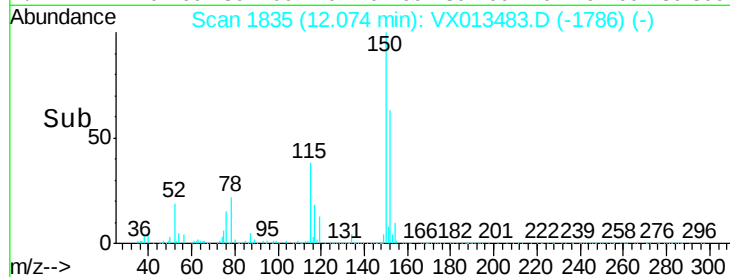
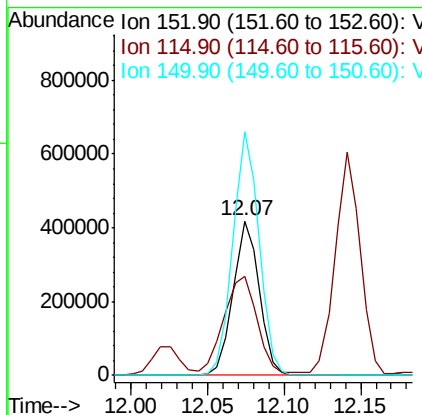
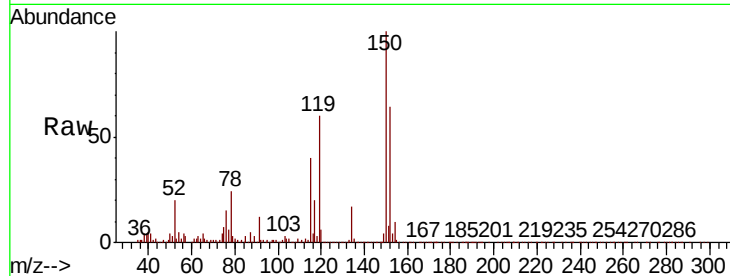


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
FD-111919

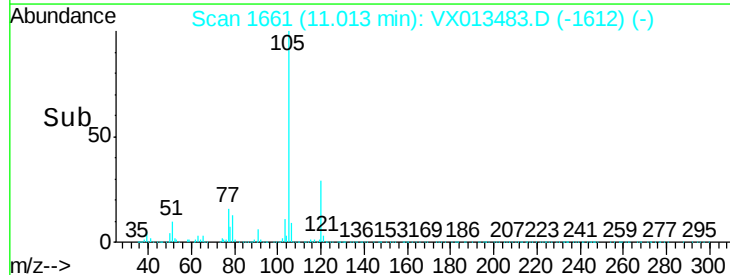
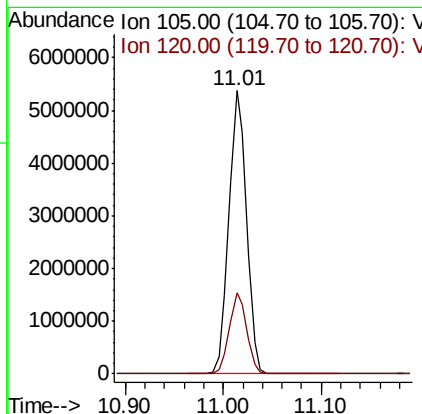
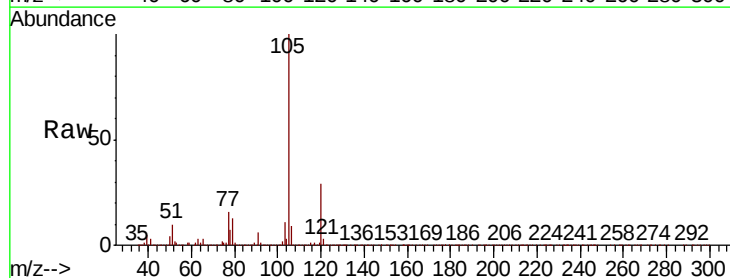
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 79.8  | 39.5  | 118.3 |
| 150     | 157.9 | 0.0   | 344.4 |

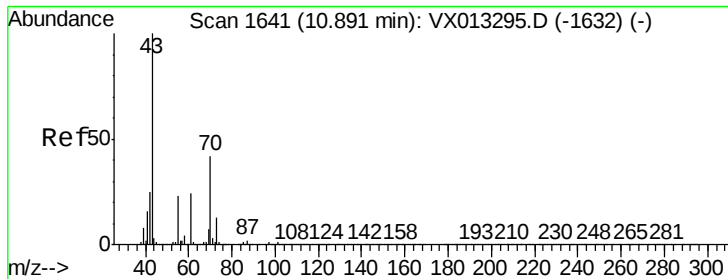


#73

Isopropylbenzene  
Concen: 205.290 ug/l  
RT: 11.01 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 28.1  | 13.5  | 40.5  |





#74

N-amvl acetate

Concen: 4.845 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

FD-111919

Tot Ion: 43 Resp: 73574

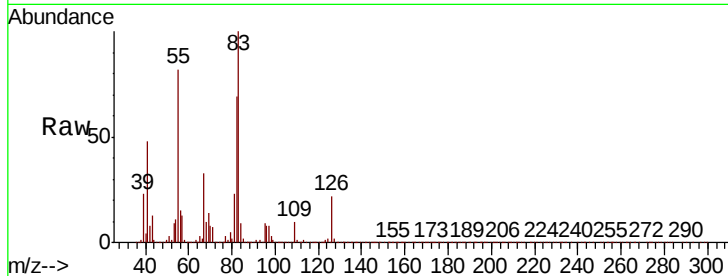
Ion Ratio Lower Upper

43 100

70 107.1 34.1 51.1#

55 523.2 18.9 28.3#

61 0.0 19.2 28.8#

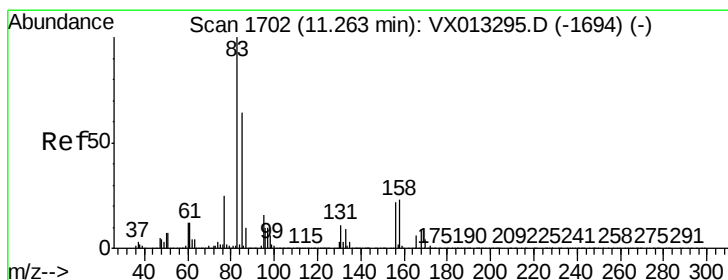
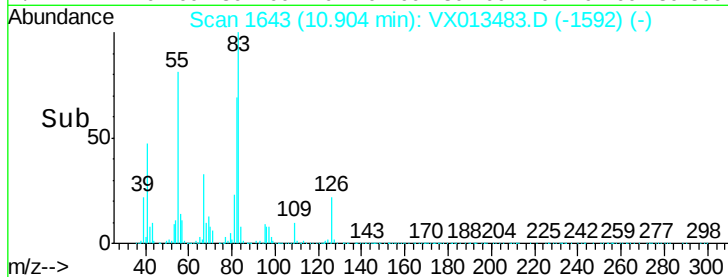
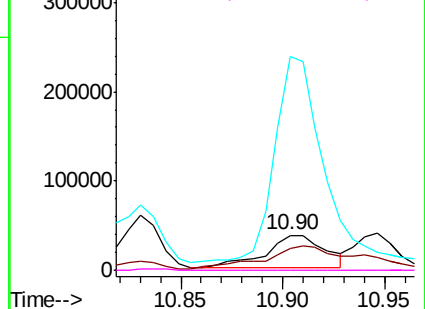


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 5.028 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

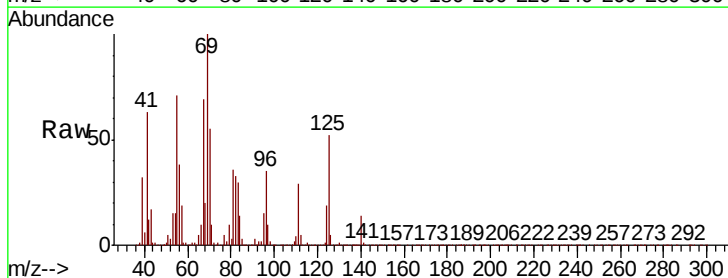
Tgt Ion: 83 Resp: 60067

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

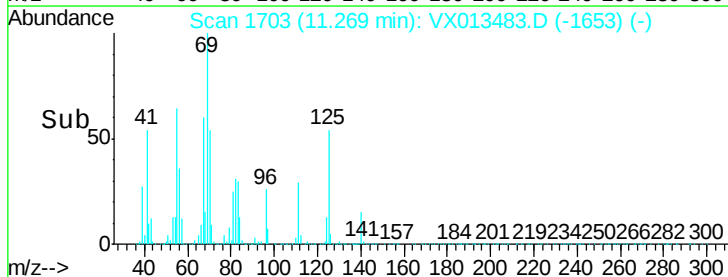
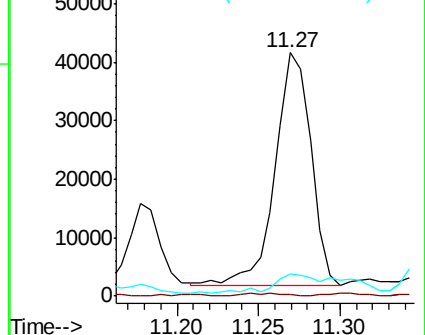
85 10.2 32.3 96.8#

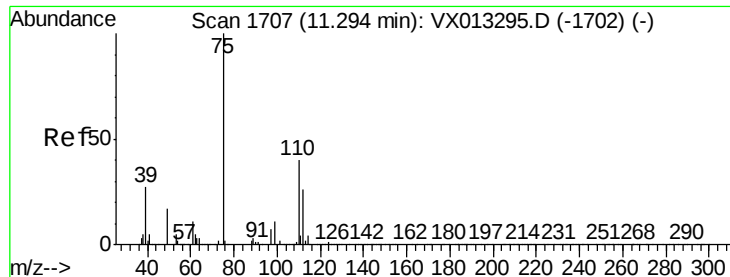


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



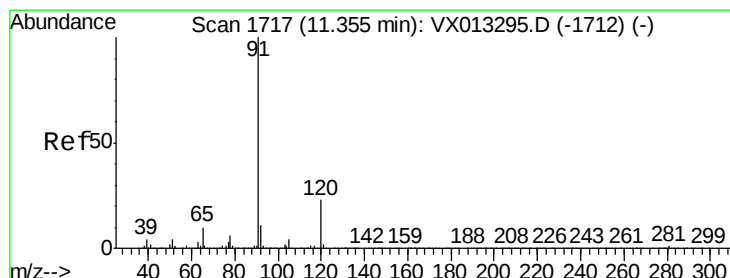
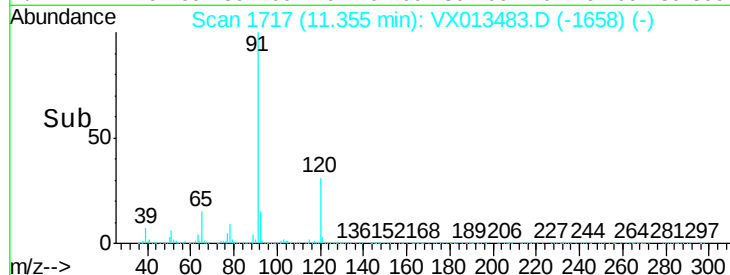
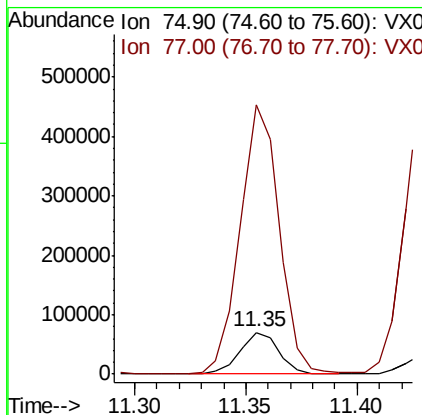
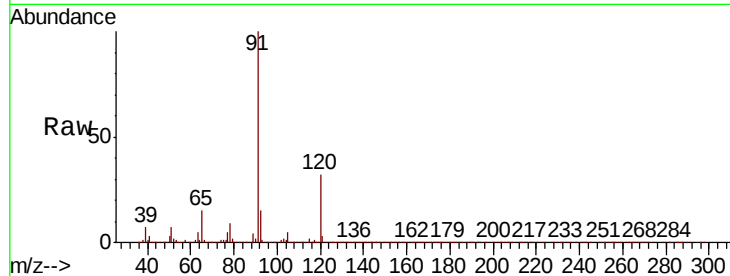


#76

1,2,3-Trichloropropane  
Concen: 8.414 ug/l  
RT: 11.35 min Scan# 1717  
Delta R.T. 0.06 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

Instrument :  
MSVOA\_X  
ClientSampled :  
FD-111919

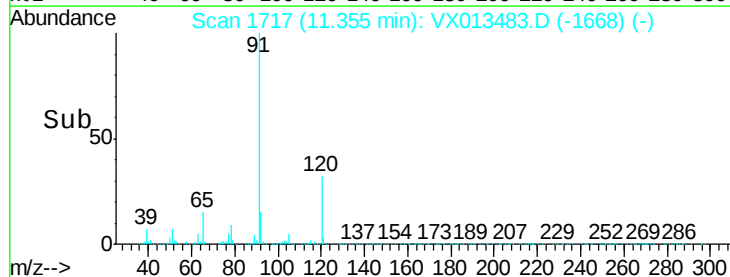
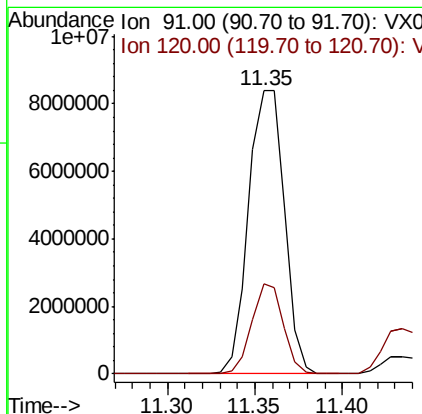
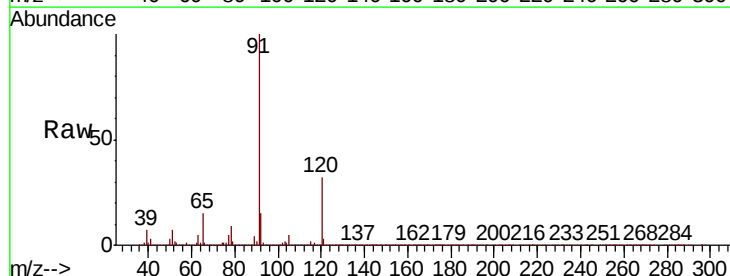
Tot Ion: 75 Resp: 84415  
Ion Ratio Lower Upper  
75 100  
77 655.3 22.3 66.8#

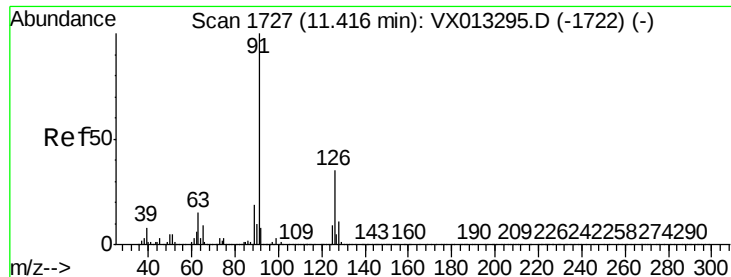


#78

n-propylbenzene  
Concen: 331.128 ug/l  
RT: 11.35 min Scan# 1717  
Delta R.T. -0.00 min  
Lab File: VX013483.D  
Acq: 20 Nov 2019 17:32

Tgt Ion: 91 Resp: 12079637  
Ion Ratio Lower Upper  
91 100  
120 28.0 11.6 34.8





#79

2-Chlorotoluene

Concen: 59.572 ug/l

RT: 11.45 min Scan# 1733

Delta R.T. 0.04 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

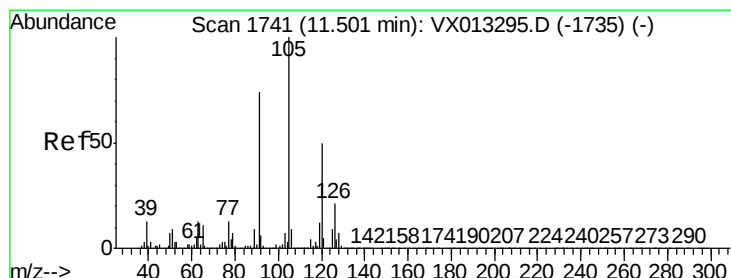
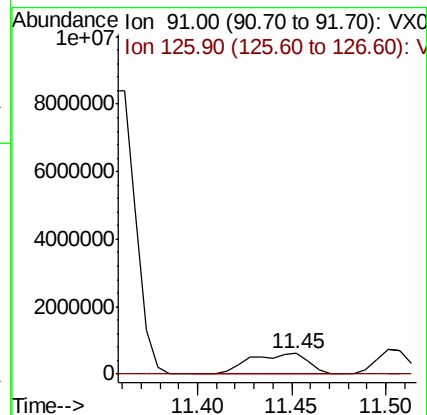
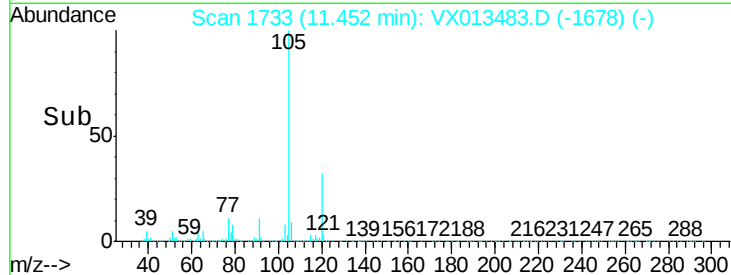
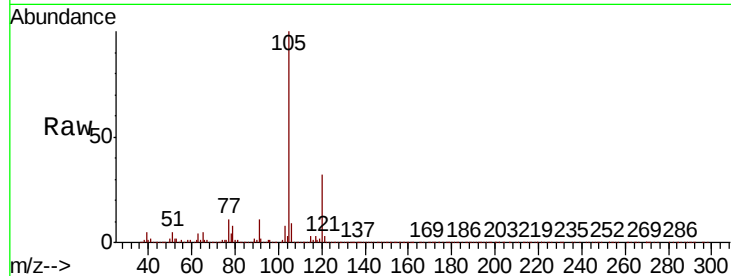
FD-111919

Tot Ion: 91 Resp: 1309343

Ion Ratio Lower Upper

91 100

126 0.1 17.3 52.0#



#80

1,3,5-Trimethylbenzene

Concen: 305.392 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013483.D

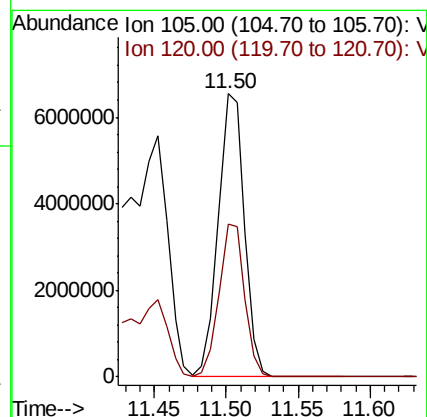
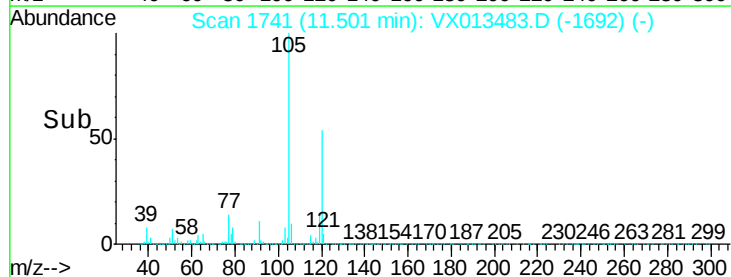
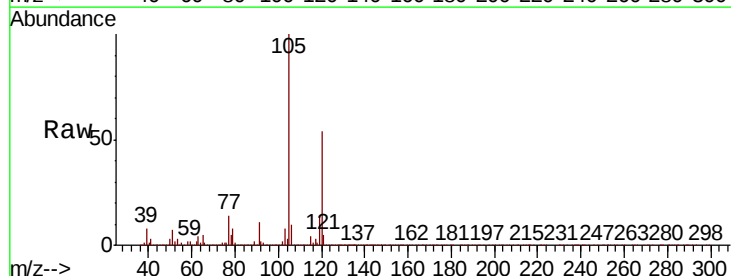
Acq: 20 Nov 2019 17:32

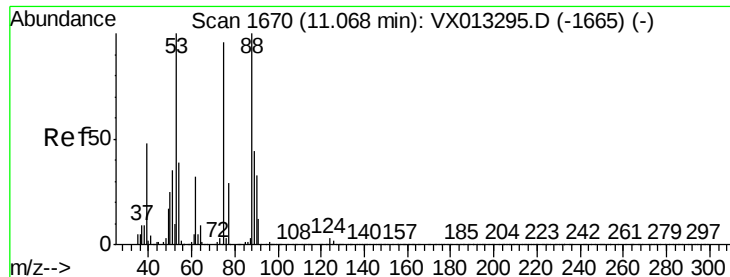
Tgt Ion: 105 Resp: 8330500

Ion Ratio Lower Upper

105 100

120 52.9 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.860 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.05 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampled :

FD-111919

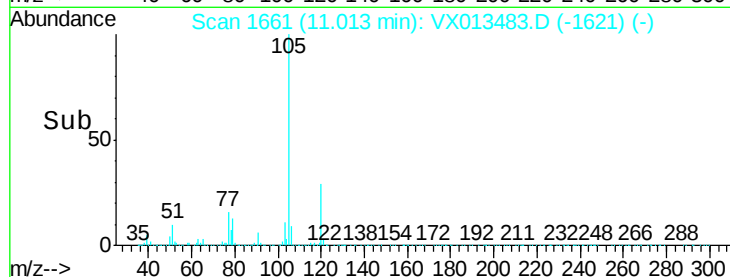
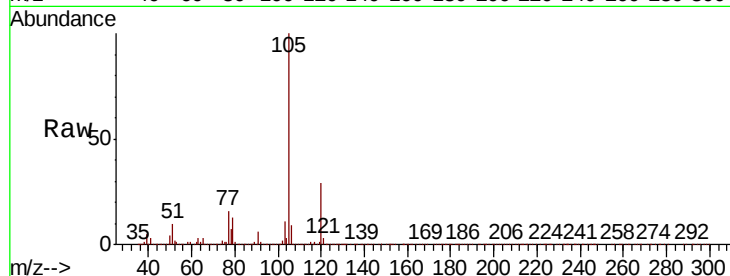
Tot Ion: 75 Resp: 77409

Ion Ratio Lower Upper

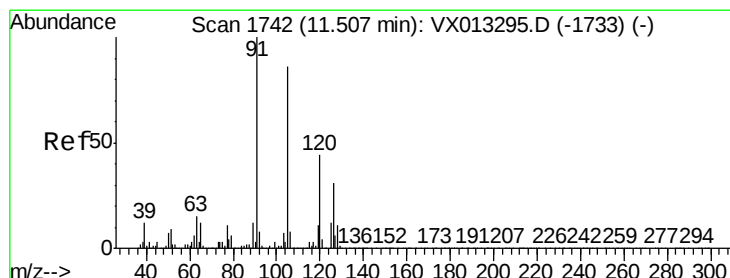
75 100

53 102.5 81.0 121.6

89 104.8 36.0 54.0#



Time-->



#82

4-Chlorotoluene

Concen: 35.028 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX013483.D

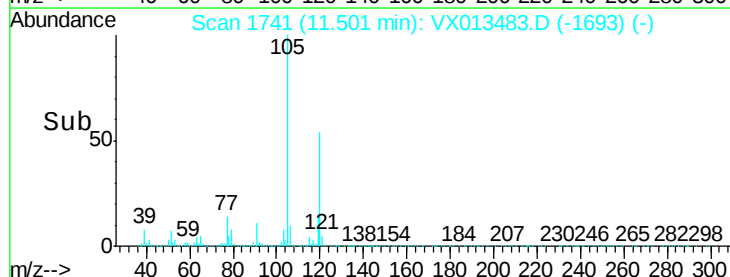
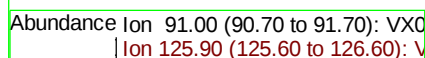
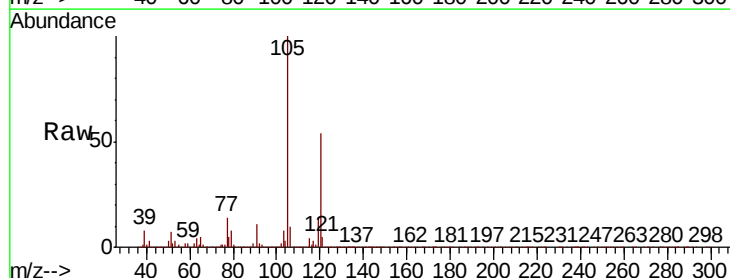
Acq: 20 Nov 2019 17:32

Tgt Ion: 91 Resp: 901234

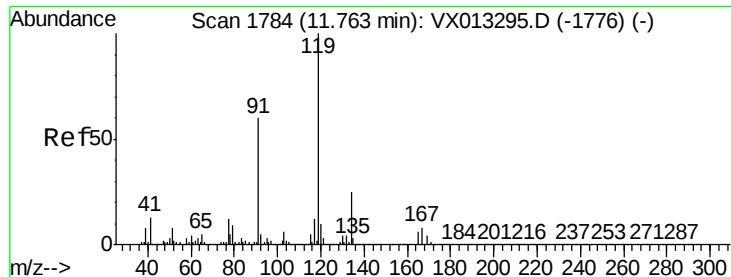
Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.8#



Time-->



#83

tert-Butylbenzene

Concen: 23.469 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampled :

FD-111919

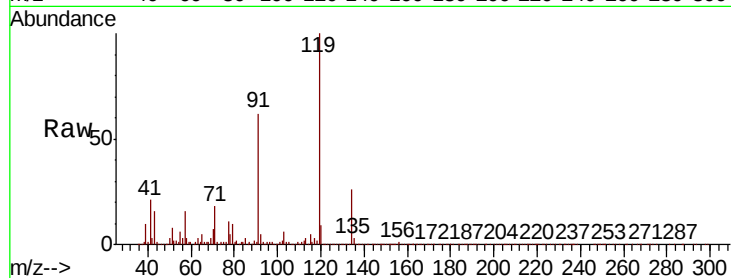
Tot Ion:119 Resp: 644445

Ion Ratio Lower Upper

119 100

91 64.5 26.9 80.7

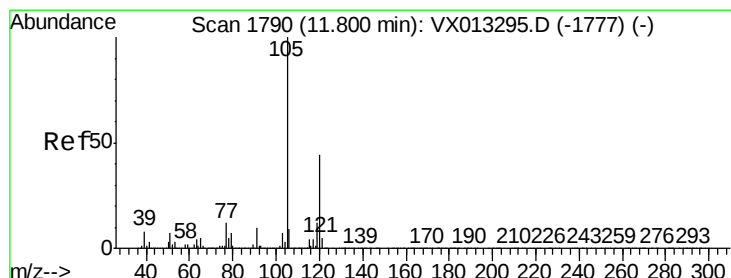
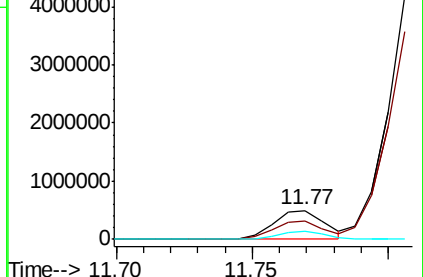
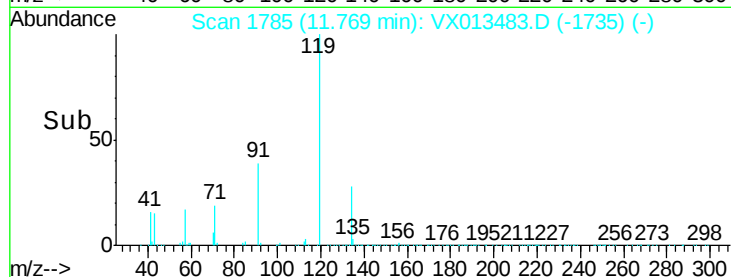
134 26.4 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 667.319 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX013483.D

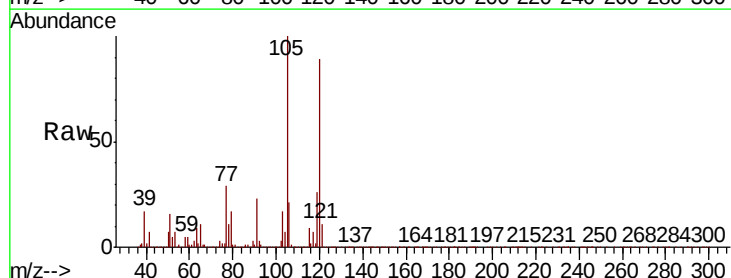
Acq: 20 Nov 2019 17:32

Tgt Ion:105 Resp:18260416

Ion Ratio Lower Upper

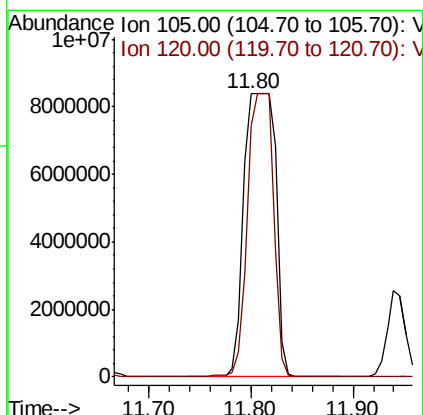
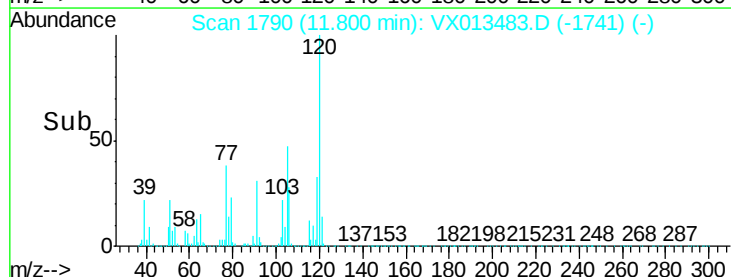
105 100

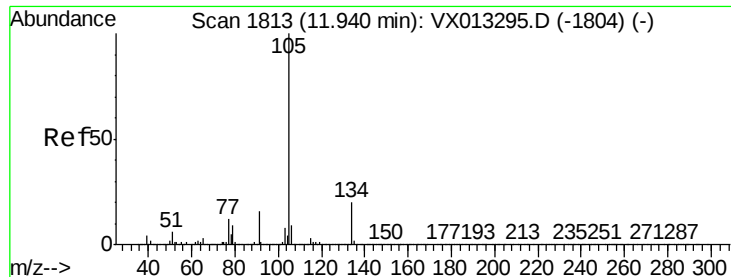
120 82.3 22.7 68.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 101.212 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampled :

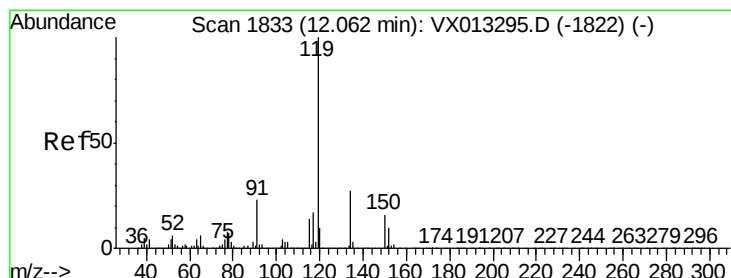
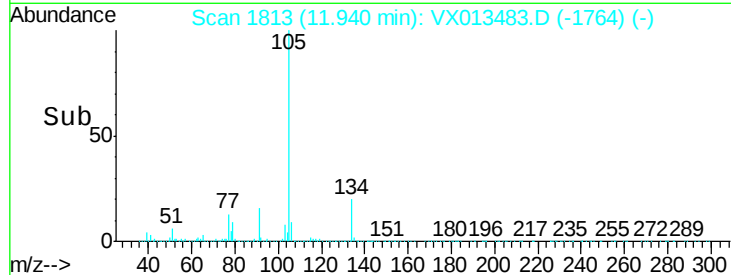
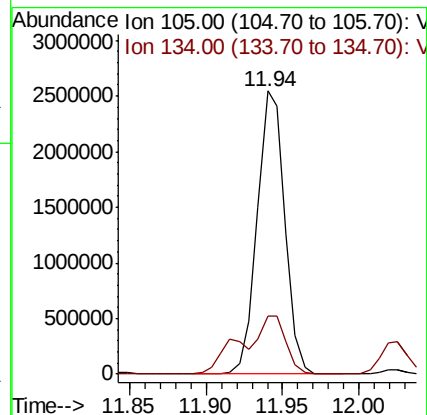
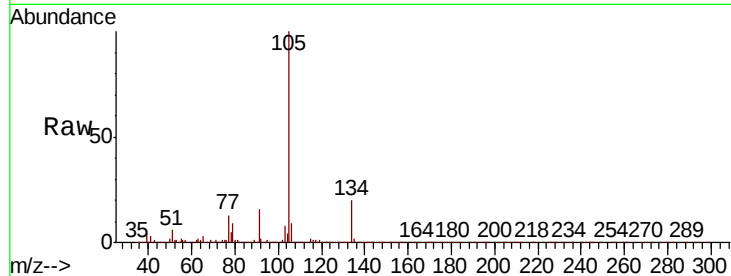
FD-111919

Tot Ion:105 Resp: 3194113

Ion Ratio Lower Upper

105 100

134 32.5 10.3 30.9#



#86

p-Isopropyltoluene

Concen: 54.784 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

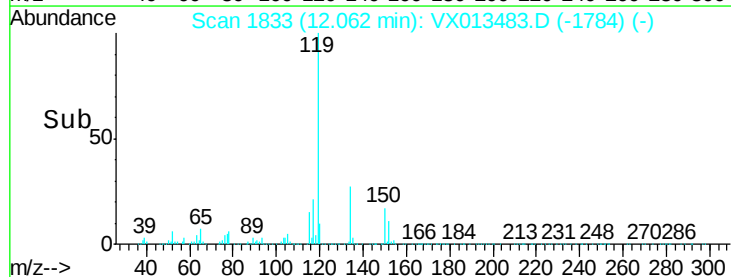
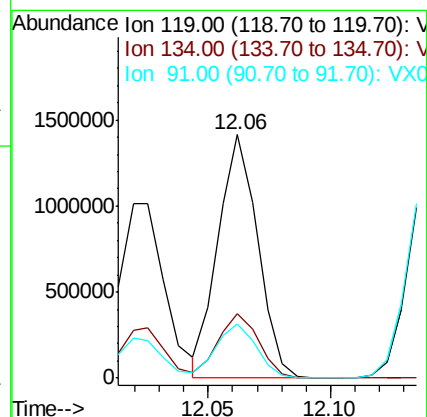
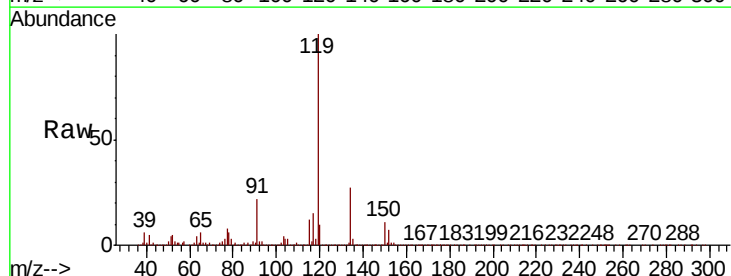
Tgt Ion:119 Resp: 1592031

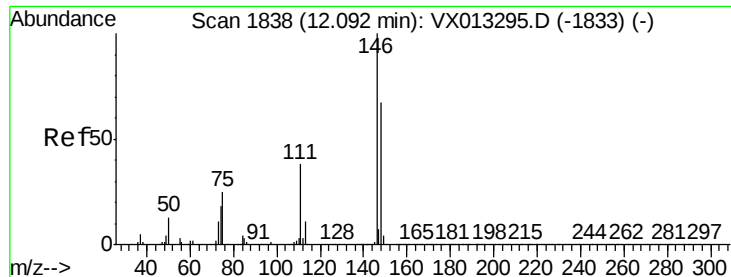
Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

91 22.5 11.5 34.4

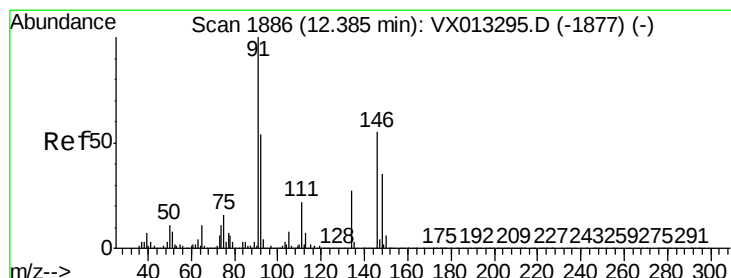
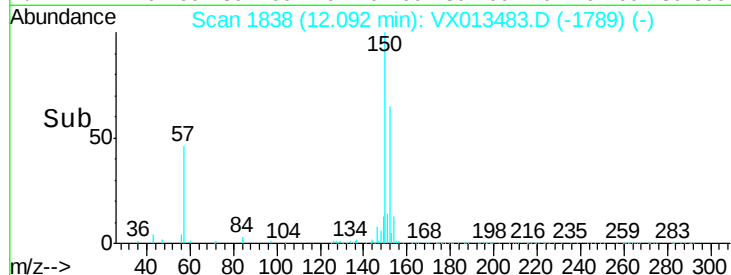
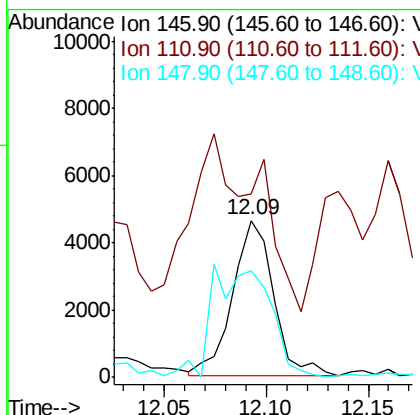
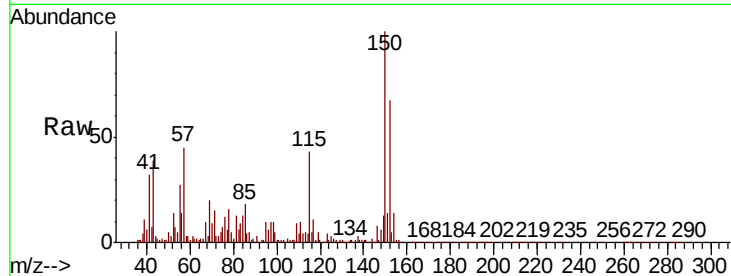




#88  
 1,4-Dichlorobenzene  
 Concen: 0.402 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. -0.00 min  
 Lab File: VX013483.D  
 Acq: 20 Nov 2019 17:32

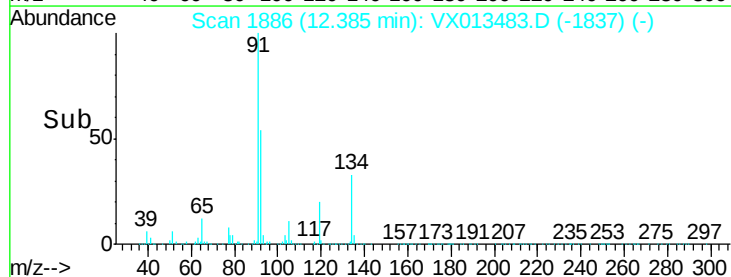
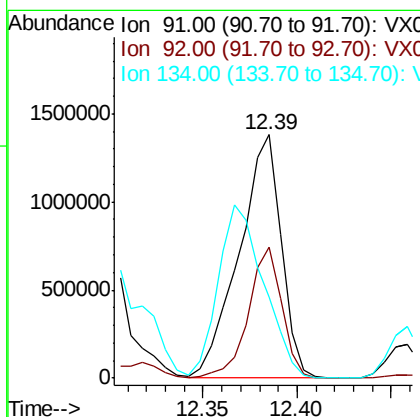
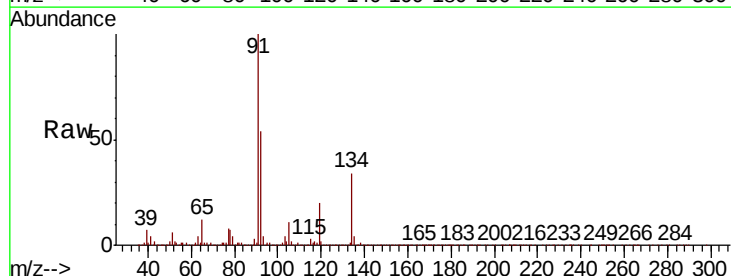
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 FD-111919

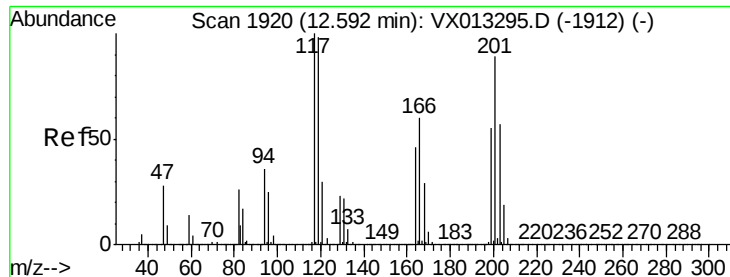
Tot Ion:146 Resp: 6374  
 Ion Ratio Lower Upper  
 146 100  
 111 191.4 18.8 56.4#  
 148 102.5 32.4 97.0#



#89  
 n-Butylbenzene  
 Concen: 84.352 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. -0.00 min  
 Lab File: VX013483.D  
 Acq: 20 Nov 2019 17:32

Tgt Ion: 91 Resp: 2138908  
 Ion Ratio Lower Upper  
 91 100  
 92 42.6 27.3 81.8  
 134 76.6 13.5 40.5#





#90

Hexachloroethane

Concen: 39.133 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

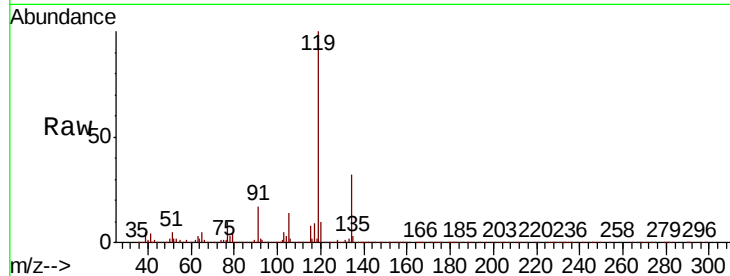
FD-111919

Tot Ion:117 Resp: 202618

Ion Ratio Lower Upper

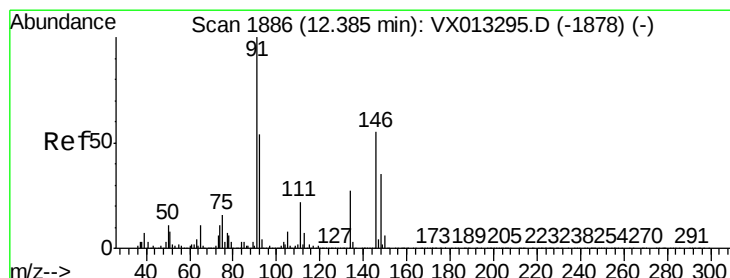
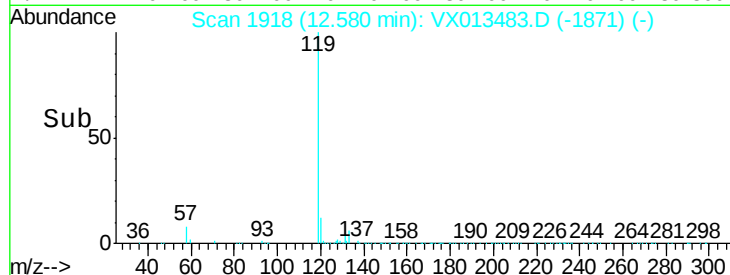
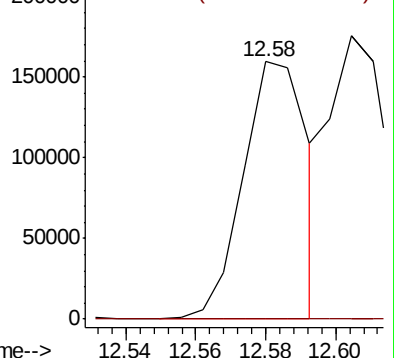
117 100

201 0.2 43.9 131.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.272 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

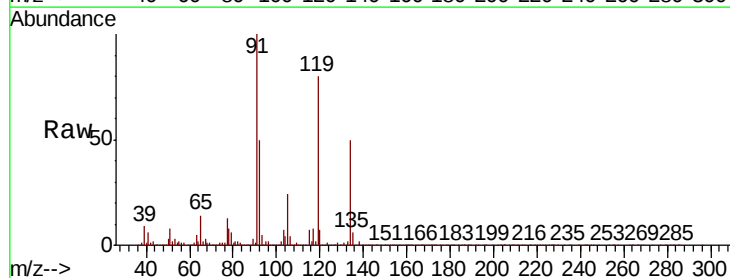
Tgt Ion:146 Resp: 4226

Ion Ratio Lower Upper

146 100

111 66.1 20.1 60.2#

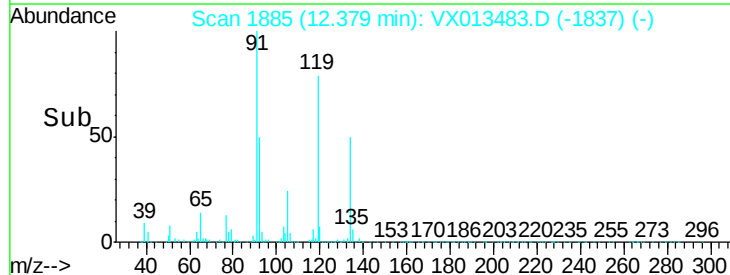
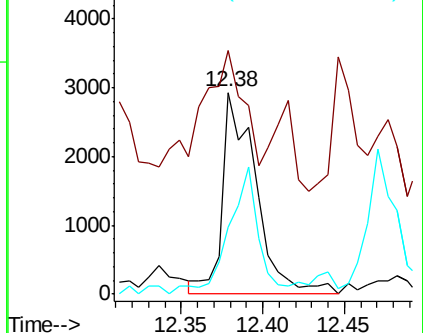
148 55.8 32.0 96.0

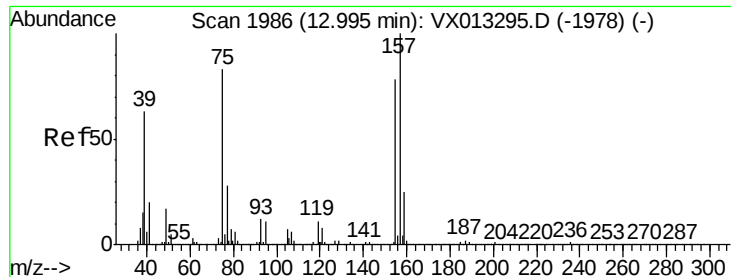


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.789 ug/l

RT: 12.97 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA\_X

ClientSampled :

FD-111919

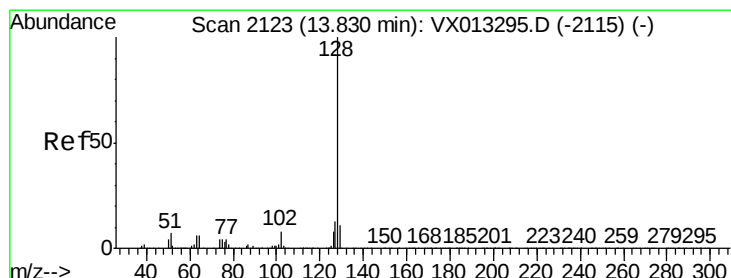
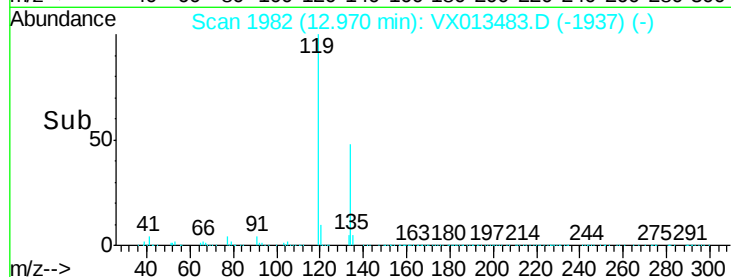
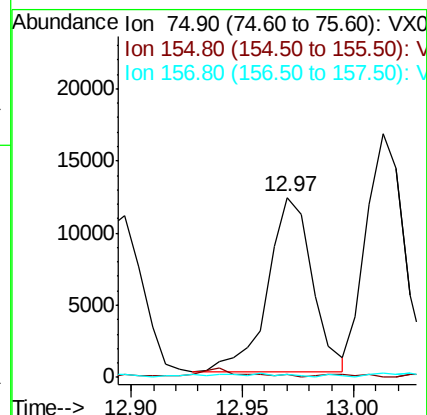
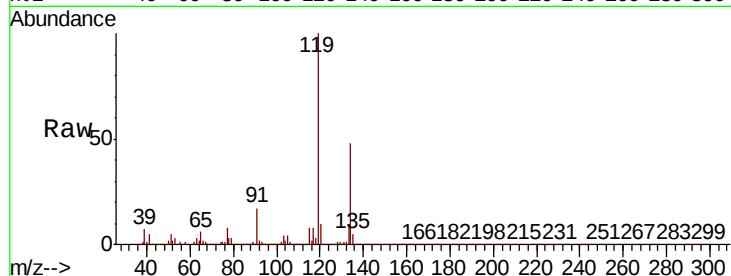
Tot Ion: 75 Resp: 16851

Ion Ratio Lower Upper

75 100

155 0.0 47.1 141.4#

157 0.7 61.3 183.8#



#95

Naphthalene

Concen: 66.256 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Tgt Ion:128 Resp: 2255659

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 11.3 8.5 12.7

